# NPAC SMS INTEROPERABLE INTERFACE SPECIFICATION

# NANC Version <u>3.0.0</u>2.0.2

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# 1 Introduction

#### 1.1 Document Overview

The NPAC SMS Interoperable Interface Specification contains the information model for the Number Portability Administration Center and Service Management System (NPAC SMS) mechanized interfaces. Both Service Order Activation (SOA) and Local Service Management System (LSMS or Local SMS) interfaces to the NPAC SMS are described in this document.

#### 1.2 How To Use This Document

The NPAC SMS Interoperable Interface Specification contains the following sections:

<u>Section 1 *Introduction*</u> -- This section describes the conventions and organization of this document. It also lists related documentation.

<u>Section 2*Interface Overview*</u>-- This section contains an overview of protocol requirements and a brief description of the functionality provided in each interface.

Section 3 *Hierarchy Diagrams* -- This section contains the class hierarchy diagrams for all managed objects defined in the interoperable interface.

Section 4 *Interface Functionality to CMOP Definition Mapping* -- This section contains the mapping of the interface functionality to the managed objects, attributes, actions, and notifications.

Section 5 Secure Association Establishment-- This section contains information on secure association establishment

<u>Section 6 *GDMO Definitions*</u> -- This section contains the GDMO interface definitions supporting the SOA to NPAC SMS interface and the NPAC SMS to Local SMS interface

Section 7 *General ASN.1 Definitions* -- This section contains the ASN.1 definitions that support the GDMO definitions in Section 7.

<u>Section 8 Managed Object Conformance Statements</u> -- This section contains the Managed Object Conformance tables.

<u>Section 9 Subscription Version Status</u> -- This section contains a Subscription Version Status diagram, which illustrates the transition from one subscription version state to another.

<u>Appendix A *Errors*</u> -- This appendix contains the valid errors associated with CMISE confirmed primitives used in the interoperable interface definitions.\_

Appendix B Message Flow Diagrams -- This appendix contains the message flow diagrams.

Appendix C *Midwest Region Number Pooling Message Flow Diagrams* -- This appendixeontains the message flow diagrams for Midwest Region Number Pooling is deleted in Release <u>3.0.0</u>.

### **1.3 Document Numbering Strategy**

Starting with Release 2.0 the documentation number of the IIS document will be Version X.Y.Z as follows:

- X will only be incremented when a new major release of the NPAC SMS system is authorized. It will contain only the Change Orders that have been authorized for inclusion in this new major release.
- Y will only be incremented when a new sub-release of an existing release X is authorized. It will contain only the Change Orders that have been authorized for inclusion in this new sub-release.
- Z will be incremented when documentation only clarifications and/or backward compatibility issues or other deficiency corrections are made in the IIS and/or FRS. This number will be reset to 0 when Y is incremented.

For example, the first release of the Release 2 IIS will be numbered 2.0.0. If documentation only clarifications are introduced in the next release of the IIS document it will be numbered 2.0.1. If requirements are added to Release 2.0 that require NPAC SMS software changes then the next release of the IIS document will be numbered 2.1.0. This number scheme is intended to make the mapping between NPAC SMS and the FRS and IIS documentation consistent.

#### 1.4 Document Version History

1.4.1 Release 1.0

NANC Version 1.0, released on 04/07/97, contains changes from the ICC Subcommittee IIS Version 1.1.5.

NANC Version 1.1, released on 05/08/97, contains changes from the NANC IIS Version 1.0.

NANC Version 1.2, released on 05/25/97, contains changes from the NANC IIS Version 1.1.

NANC Version 1.3, released on 07/09/97, contains changes from the NANC IIS Version 1.2.

NANC Version 1.4, released on 08/08/97, contains changes from the NANC IIS Version 1.3.

NANC Version 1.5, released on 09/09/97, contains changes from the NANC IIS Version 1.4.

NANC Version 1.6, released on 11/12/97, contains changes from the NANC IIS Version 1.5.

NANC Version 1.7, released on 12/12/97, contains changes from the NANC IIS Version 1.6.

NANC Version 1.8, released on 2/11/98, contains changes from the NANC IIS Version 1.7.

NANC Version 1.9, released on 5/13/98, contains changes from the NANC IIS Version 1.8.

NANC Version 1.10, released on 7/8/98, contains changes from the NANC IIS Version 1.9.

#### 1.4.2 Release 2.0

NANC Version 2.0.0, released on 12/14/98, contains changes from the NANC IIS Version 1.10.

NANC Version 2.0.1, released on 2/25/99, contains changes from the NANC IIS Version 2.0.0.

NANC Version 2.0.2, released on 9/1/99, contains changes from the NANC IIS Version 2.0.1.

NANC Version 2.0.2, released on 9/1/99, contains the following changes from the NANC HS-Version 2.0.1:

- Change Order NANC 228 <u>Maximum ID Value (correction from version</u>
  2.0.1)
  - Change Order NANC 264 FRS and HS Documentation Change
- Change Order NANC 276 <u>IIS Documentation Immediate Disconnect</u>

   B.5.4.1
  - Change Order NANC 277 IIS Documentation Modify Active SV B.5.2.1
- Change Order NANC 281 <u>IIS Doe Change for New Conflict Removal Flow</u>
   B.5.5.5
- Change Order NANC 282 <u>GDMO Change for WSMSC backwards</u>
   compatibility

#### 1.4.3 <u>Release 3.0</u>

NANC Version 3.0.0, released on 1/28/00, contains the following changes from the NANC IIS Version 2.0.2:

- Change Order NANC 34 AuditServiceProvIdRange ASN.1 Modification
- Change Order NANC 35 ContactPagerPin ASN.1 Modification
- Change Order NANC 109 Number Pooling
- Change Order NANC 146 SP Contact Data Handling
- Change Order NANC 174 Removal of SOA and LSMS combined
   association
- Change Order NANC 175 Timestamp default when not set
- Change Order NANC 189 Service Provider Allowable Functions
  Modification
- Change Order NANC 237 Duplicate PSAP and Key List for different NSAP
- Change Order NANC 239 Document the current process for
- Resynchronization
- Change Order NANC 251 Documentation Change in the GDMO Behavior
- Change Order NANC 265 Documentation Change for Definition of Time
- Change Order NANC 271 Documentation change for Single TN Audit

Change Order NANC 275 – IIS Documentation – Error Flow Diagrams
Needed

 Change Order NANC 283 – GDMO Doc Only Change for Business Type and WSMSC • Change Order NANC 284 – GDMO Doc Only Change for Object, Action, Notification Errors

 Change Order NANC 288 – GDMO Change for 2.x from 3.x updates for Failed SP List

Change Order NANC 295 – Documentation Updates to the National Number
Pooling requirements, IIS Flows, ASN.1, GDMO

#### 1.5 References

1.5.1 Standards

ANSI T1.224-1992, Operations, Administration, Maintenance, and Provisioning (OAM&P) - Protocols for Interfaces between Operations Systems in Different Jurisdictions.

ANSI T1.243-1995, Telecommunications, Operations, Administration, Maintenance and Provisioning (OAM&P) - Baseline Security Requirements for the Telecommunications Management Network (TMN).

ANSI T1.246, Operations, Administration, Maintenance and Provisioning (OAM&P) -Information Model and Services for Interfaces between Operations Systems across Jurisdictional Boundaries to Support Configuration Management - Customer Account Record Exchange (CARE).

Bellcore TA- 1253, Generic Requirements for Operations Interfaces Using OSI Tools: Network Element Security Administration.

Committee T1 Technical Report No, 40, Security Requirements for Electronic Bonding Between Two TMNs.

ISO/IEC 11183-1:1992, Information Technology - International Standardized Profiles AOM In OSI Management - Management Communications - Part 1 Specification of ACSE, Presentation and Session Protocols for the use by ROSE and CMISE.

ISO/IEC 11183-2:1992, Information Technology - International Standardized Profiles AOM In OSI Management - Management Communications - Part 2: CMISE/ROSE for AOM12 - Enhanced Management Communications.

ISO/IEC 11183-3:1992, Information Technology - International Standardized Profiles AOM In OSI Management - Management Communications - Part 3: CMISE/ROSE for AOM12 - Basic Management Communications.

ITU X.509, Information Technology - Open Systems Interconnection - The Directory Authentication Framework.

ITU X.690/ISO IS 8825-1 Annex D, *ASNI/BER Encoding of Digital Signatures and Encrypted Cyphertext.* 

ITU X.741, OSI Systems Management, Objects and Attributes for Access Control

ITU X.803, Upper Layers Security Model.

NMF Forum 016, Issue 1.0, 1992, OMNIPoint 1 Specifications and Technical Reports, Application Services Security of Management.

OIW Stable Implementation Agreement, Part 12, 1995.

Rec. M.3100:1992 & 1995 draft, Generic Network Information Model.

Rec. X.701 | ISO/IEC 10040:1992, Information Technology - Open System Interconnection - Common Management Overview.

Rec. X.710 | ISO/IEC 9595:1990, Information Technology - Open System Interconnection - Common Management Information Service Definitions.

Rec. X.711 | ISO/IEC 9596-1:1991, Information Technology - Open System Interconnection - Common Management Information Protocol - Part 1: Specification.

Rec. X.720 | ISO/IEC 10165-1:1991, Information Technology - Open System Interconnection - Structure of Management Information - Part 1 Management Information Model.

Rec. X.721 | ISO/IEC 10165-2:1992, Information Technology - Open System Interconnection - Structure of Management Information: Guidelines for the Definition of Managed Objects.

Rec. X.722 | ISO/IEC 10165-4:1992, Information Technology - Open System Interconnection - Structure of Management Information: Guidelines for the Definition of Managed Objects.

Rec. X.730 | ISO/10164-1:1992, Information Technology - Open System Interconnection - System Management - Part 1: Object Management Function.

Rec. X.734 | ISO/10164-5:1992, Information Technology - Open System Interconnection - System Management - Part 5: Event Report Management Function.

Rec. X.735 | ISO/10164-6:1992, Information Technology - Open System Interconnection - System Management - Part 6: Log Control Function.

Rec. X.209: 1988, Specification for Basic Encoding Rules for Abstract Syntax Notation One (ANS.1).

Rec. X.690: 1994, ASN.1 Encoding Rules: Specification of Basic Encoding Rules (BER), Canonical Encoding Rules (CER), and Distinguished Encoding Rules (DER).

Rec. X.208: 1988, Specification of Abstract Syntax Notation One (ASN.1).

Rec. X.680 | ISO/IEC 8824-1: 1994, Information Technology - Abstract Syntax Notation One (ASN.1) - Specification of Basic Notation.

Rec. X.680 Amd.1 | ISO/IEC 8824-1 Amd.1, Information Technology - Abstract Syntax Notation One (ASN.1) - Specification of Basic Notation 1 Amendment 1: Rules of Extensibility.

ITU-T Recommendations are available from the US Department of Commerce, National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22161. ISO standard are available from the American National Standards Institute, 11 West 42nd Street, New York, NY 10036.

#### 1.5.2 Related Publications

Illinois Commerce Commission Number Portability Administration Center and Service Management System Request for Proposal (ICC NPAC/SMS RFP), February 6, 1996.

Lockheed Martin Team Response to the Illinois Commerce Commission Number Portability Administration Center and Management System Request for Proposal, March 18, 1996.

Scoggins, Sophia and Tang, Adrian 1992. *Open networking with OSI*. Englewood Cliffs, NJ, Prentice-Hall.

Stallings, William 1993. SNMP, SNMPv2, and CMIP, The Practical Guide to Network-Management Standards, Reading Massachusetts, Addison-Wesley.

North American Number Council (NANC) Functional Requirements Specification, Number Portability Administration Center (NPAC), Service Management System (SMS), Version <u>32.0.0</u><sup>+</sup>, <u>AprilJanuary</u>, <u>2000</u>1999.

CTIA Report on Wireless Portability Version 2, July 7, 1998

1.6	Abbreviations/Definitions	
	A-PDU	Application Protocol Data Unit
	ASN.1	Abstract Syntax Notation 1
	BER	Basic Encoding Rules
	CARE	Customer Account Record Exchange
	Central Time	This is the time in the central time zone, that zone, which includes
	(standard/daylight)	daylight savings time. It changes twice a year based on standard time
		and daylight savings time. The NPAC SMS runs on hardware that uses
		this time.
	CER	Canonical Encoding Rules
	CLASS	Custom Local Area Signaling Services
	CME	Conformance Management Entity
	CMIP	Common Management Information Protocol
	CMISE	Common Management Information Service Element
	CNAM	Caller Id with Name
	GDMO	Generalized Definitions of Managed Objects
	DER	Distinguished Encoding Rules
	DES	Data Encryption Standard
	FR	Frame Relay
	IEC	International Electrotechnical Commission
	ISO	International Organization of Standardization
	ISVM	Inter-Switch Voice Mail
	LIDB	Line Information Database
	LNP	Local Number Portability
	LRN	Location Routing Number
	LSMS	Local Service Management System
	LSPP	Local Service Provider Portability
	MAC	Media Access Control
	MD5	Message Digest (Version 5)
	MIB	Management Information Base
	NE	Network Element
	NMF	Network Management Forum
	NPAC SMS	Number Portability Administration Center and Service Management
		System
	NPA	Numbering Plan Area
	NXX	Exchange
	OCN	Operating Company Number
	OSI	Open Systems Interconnect
	PPP	Point-To-Point Protocol
	RFP RSA	Request for Proposal Encryption Scheme
	SOA	Service Order Activation
	SOA SMS	Service Management System
	TMN	Telecommunications Management Network
	TN	Telephone Number
	WSMSC	Wireless Short Message Service Center
		Whereas short wessage service celler

# 2 Interface Overview

#### 2.1 Overview

This specification defines the interfaces between the NPAC SMS and the service providers' Service Order Entry System and Local SMS. The interfaces, defined using the CMIP protocol, are referred to as the SOA to NPAC SMS interface and the NPAC SMS to Local SMS interface respectively. CMISE M-CREATE, M-DELETE, M-SET, M-GET, M-EVENT-REPORT, and M-ACTION primitives are fully supported in a confirmed mode. Thus, the sequencing of operations is implied by the receipt of the confirmation or operation response, and NOT by the sequence that the operation request is received. The relationship from the SOA to the NPAC SMS and from the Local SMS to NPAC SMS is a manager to agent or an agent to manager relationship depending on the function being performed. The SOA and Local SMS interfaces are defined by Association Functions. These functions allow each association to define the services it supports. Association establishment from the SOAs and Local SMSs to the NPAC SMS, Association Function and security for each of these interfaces is discussed in Section 5, *Secure Association Establishment*.

Note: The M-CANCEL-GET primitive may not be supported in some NPAC SMS implementations due to the fact that this functionality was not determined necessary for the interface defined.

The sections that follow provide an overview of protocol requirements and a brief description of the functionality provided in each interface. Complete functional descriptions for the interfaces are provided in the process flow diagrams in Appendix B, *Message Flow Diagrams*, as well as the behavior for the managed objects.

The interface between the SOA and the NPAC SMS is called the "SOA to NPAC SMS interface". The interface between the Local SMS and the NPAC SMS is called the "NPAC SMS to Local SMS interface". No direction for operations is implied by the names of these interfaces.

All timestamps (GeneralizedTime fields) that are sent over the SOA to NPAC SMS interface and NPAC SMS to Local SMS interface, should use Greenwich Mean Time (GMT). The universal time format (YYYYMMDDHHMMSS.0Z) is used. The default value is a non-specific format of 000000000000.0Z.

### 2.2 OSI Protocol Support

The SOA to NPAC SMS and NPAC SMS to Local SMS interfaces must be implemented over the protocol stack shown in Exhibit 1.

Layer	Mechanized Interface	Function
	CMIP Agent Server	User
7	CMISE, ACSE, ROSE	Application
6	ANSI T1.224	Presentation
5	ANSI T1.224	Session
4	TCP, RFC1006, TPO	Transport

Exhibit 1. NPAC/SMS Primary Network Protocol Stacks

Layer	Mechanized Interface	Function
3	IP	Network
2	PPP, MAC, FRAME Relay, ATM (IEEE 802.3)	Link
1	DS-1, DS-0 x n, ISDN, V.34	Physical

Multiple associations per service provider to the NPAC SMS can be supported. The secure association establishment is described in *Section 5*.

#### 2.3 SOA to NPAC SMS Interface

The SOA to NPAC SMS interface, which allows communication between a service provider's Service Provisioning Operating Systems and/or Gateway systems and the NPAC SMS, supports the retrieval and update of subscription, service provider, and network information. The following transactions occur to support local number portability functionality:

- SOA requests for subscription administration to the NPAC SMS and responses from the NPAC SMS to the SOA.
- Audit requests from the SOA to the NPAC SMS and responses from the NPAC SMS to the SOA.
- Notifications from the NPAC SMS to the SOA of subscription version <u>data and number</u> <u>pool block</u> data changes, need for concurrence or authorization for number porting, conflict-resolution, cancellation, outage information, customer disconnect dates, or the first use of an NPA-NXX.
- Network data from the NPAC SMS to SOA.
- Service provider data administration from the SOA to the NPAC SMS.
- <u>SOA requests for number pool block administration (creation and modification) to the</u> <u>NPAC SMS and responses from the NPAC SMS to the SOA.</u>

Mapping of this functionality into the CMIP Definitions is provided in *Section 4 (see Exhibit 8.)* The NPAC SMS currently uses a 32-bit signed integer for the Naming ID Value. The maximum value is ([2\*\*31] - 1) or 2.14B. It is anticipated that all Service Providers will be able to successfully handle Naming ID Values up to this maximum. Additionally, it should be noted that there is NOT any rollover strategy (NANC 147), once this number is attained within the NPAC SMS.

#### 2.3.1 Subscription Administration

Service provider subscription administration functionality includes the capability to:

- Create a subscription version
- Cancel a subscription version
- Acknowledge cancellation of a subscription version
- Modify a subscription version or range of versions
- Retrieve a specific subscription version or range of versions
- Activate a version or range of versions
- Disconnect a subscription version or range of versions
- Place a subscription into conflict
- Remove a subscription version from conflict

#### 2.3.2 Audit Requests

Audit functionality allows the SOAs to request audits for a subscription version or group of subscription versions based on a Telephone Number (TN) for a specified service provider or all service provider networks. The requesting SOA-SOA receives discrepancy reports as they are found in the network. Upon audit completion it receives a notification of the success or failure of the audit and the total number of discrepancies found.

#### 2.3.3 Notifications

SOAs are sent notifications to ensure that they are fully informed of relevant events for their subscriptions. Notification of creation, deletion, or data value changes for subscription versions will be sent to the SOA as they occur. Notification will be sent to the SOA if the service provider has not authorized transfer of service for a TN in the amount of time specified in the "Service Provider Concurrence Interval" defined on the NPAC. This notification will indicate to the service provider that authorization is needed for the pending subscription version. If the service provider has not acknowledged version cancellation within a timeframe specified by the NPAC SMS, notifications will be sent requesting cancellation acknowledgment. The donor service provider SOA is notified of the customer's disconnect date. SOA systems are also sent notifications to insureensure they are aware of planned down time in the NPAC SMS. Notification of data value changes and object creations are sent for number pool block objects.

First usage notifications are also sent to the SOA when the first <u>use of an NPA-NXX</u> <u>occurs from a subscription version or number pool block creation is ported in an NPA-NXX</u>.

Notifications can be recovered by the SOA from the NPAC SMS. Notifications to be recovered are requested by time range.

#### 2.3.4 Service Provider Data Administration

Service providers can use, read, and update their service provider information on the NPAC SMS using the SOA. Service providers can update information in the service provider profile as well as add and delete their own network data. Changes to network data that result in mass updates are prevented from the SOA to the NPAC. Mass changes must be initiated by the service provider contacting the NPAC personnel directly.

#### 2.3.5 Network Data Download

When network data (NPA-NXX, NPA-NXX-X, Service Provider, or LRN data for service providers) is created, modified, or deleted on the NPAC SMS, the data is automatically downloaded from the NPAC SMS to the SOA. The SOA may request that data be downloaded using a download request that is sent from the SOA to the NPAC SMS. The SOA then receives the data to be downloaded in the request response. Network data to be downloaded can be requested based on a time range, service provider or all service providers, an NPA-NXX range or all NPA-NXX data, an NPA-NXX-X range or all NPA-NXX data, or all network data can be requested. If all network data is specified and the "NPAC Customer SOA NPA-NXX-X Indicator" has been set to TRUE in the service provider's profile on the NPAC SMS, then NPA-NXX-X object data will be included.

Service providers can also directly read data they wish to download from the NPAC SMS MIB.

#### 2.3.6 <u>Number Pool Block Administration</u>

Number pool blocks are a set of 1000 TNs represented by a 7 digit NPA-NXX-X (i.e. 555-333-1 represents 555-333-1000 through 1999). Service providers can create and

modify the number pool blocks for which they are the block holder. Service providers can query all number pool block objects. Only the NPAC SMS can remove a number pool block object.

#### 2.4 NPAC SMS to Local SMS Interface

The NPAC SMS to Local SMS interface is used for communications between a service provider's Local SMS and the NPAC SMS for support of LNP network element provisioning. The following transactions occur to support Local Number Portability:

- Subscription version, <u>number pool block</u> and network data from the NPAC SMS to the Local SMS.
- Service provider data administration from the Local SMS to the NPAC SMS.
- Notifications from the NPAC SMS to the Local SMS of planned NPAC SMS outages and the first use of a new NPA-NXX.

Mapping of this functionality into the CMIP Definitions is provided in *Section 4 (see Exhibit 8.)* The NPAC SMS currently uses a 32-bit signed integer for the Naming ID Value. The maximum value is  $([2^{**}31] - 1)$  or 2.14B. It is anticipated that all Service Providers will be able to successfully handle Naming ID Values up to this maximum. Additionally, it should be noted that there is NOT any rollover strategy (NANC 147), once this number is attained within the NPAC SMS.

#### 2.4.1 Subscription Version, Number Pool Block and Network Data Download

When network data (NPA-NXX, NPA-NXX-X or LRN data for service providers) or subscription data or number pool block data is created, modified, or deleted on the NPAC SMS, the data is automatically downloaded from the NPAC SMS to the Local SMS. The Local SMS may request that data be downloaded using a download request that is sent from the Local SMS to the NPAC SMS. The Local SMS then receives the data to be downloaded in the request response. Subscription data to be downloaded can be requested based on time range, a TN, or a TN range. If the "NPAC Customer LSMS EDR Indicator" is set to TRUE in the service provider's profile on the NPAC SMS, only number pool block data will be sent and no subscription versions with LNP type set to 'pool' will be sent. Number pool block data to be downloaded can be requested by timerange, NPA-NXX-X or NPA-NXX-X range. -Network data to be downloaded can be requested based on a time range, service provider or all service providers, an NPA-NXX range or all NPA-NXX data, an NPA-NXX-X range or all NPA-NXX-X data, an LRN range or all LRN data, or all network data can be requested. If all network data is specified and the "NPAC Customer LSMS NPA-NXX-X Indicator" has been set to TRUE in the service provider's profile on the NPAC SMS, then NPA-NXX-X object data will be included.

Service providers can also directly read data they wish to download from the NPAC SMS MIB.

#### 2.4.2 Service Provider Data Administration

Service providers can use, read, and update their service provider information on the NPAC SMS using the Local SMS to NPAC SMS interface. Service providers can update information in the service provider profile as well as add and delete their own network data. Changes to network data that result in mass updates are prevented by the NPAC SMS to Local SMS interface. Mass changes must be initiated by the service provider contacting the NPAC personnel directly.

#### 2.4.3 Notifications

Local SMSs are sent notifications to <u>insureensure</u> they are aware of planned down time in the NPAC SMS. Local SMSs are also sent notifications when a new NPA-NXX is to be used for the first time in a subscription version<u>or number pool block by a</u> <u>serviceProvNPA-NXX-X creation</u>.

Notifications can be recovered by the Local SMS from the NPAC SMS. Notifications to be recovered are requested by time range.

# 3 Hierarchy Diagrams

### 3.1 Overview

The following five exhibits show the class hierarchy diagram for all managed objects (*Exhibit 2*), Log Record Objects (*Exhibit 3*), the Local SMS (*Exhibit 4*), the NPAC SMS naming hierarchies for the Local SMS (*Exhibit 5*), the SOA (*Exhibit 6*.), and the NPAC SMS naming hierarchies for the SOA. (Exhibit 7). These exhibits will help the user gain a better understanding of the structure of the interface definitions provided.

### 3.1.1 Managed Object Model Inheritance Hierarchy

The Managed Object Model Inheritance Hierarchy shows the inheritance hierarchy used for object definitions in the NPAC SMS to Local SMS and the SOA to NPAC SMS interfaces.

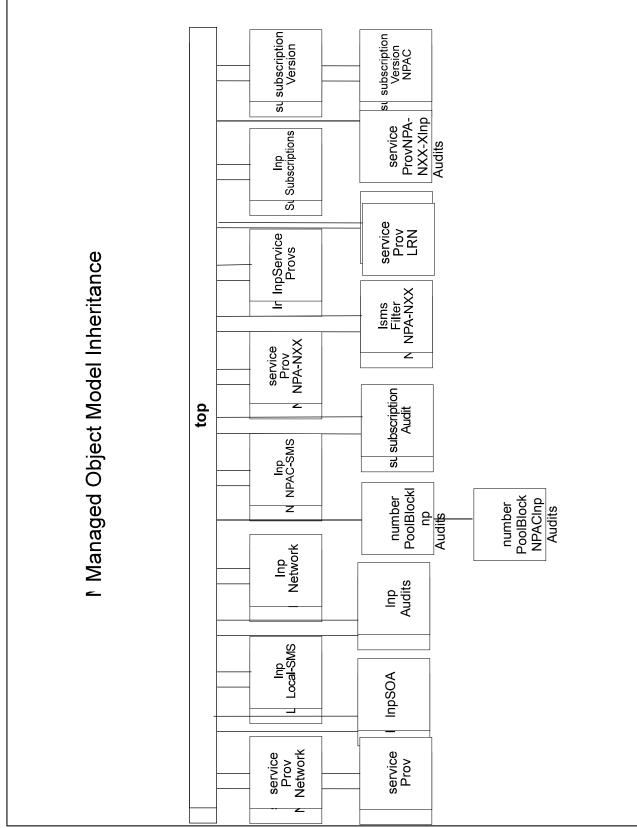
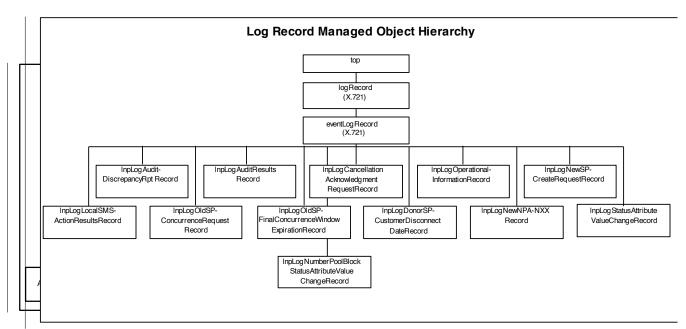


Exhibit 2. The Managed Object Model Inheritance Hierarchy

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The Log Record Managed Object Hierarchy shows the inheritance hierarchy of the log records used in the NPAC SMS to Local SMS and SOA to NPAC SMS interfaces.

Exhibit 3 . Log Record Managed Object Hierarchy

3.1.3 NPAC SMS to Local SMS Naming Hierarchy for the NPAC SMS

The NPAC SMS to Local SMS Naming Hierarchy for the NPAC SMS shows the naming hierarchy used in the NPAC SMS to instantiate objects defined in the NPAC SMS to Local SMS interface.

Shaded objects are instantiated at NPAC SMS start-up and are not created via M-CREATE or M-DELETE requests. All other objects are created at start-up from a persistent object store on the NPAC SMS or from actions taken while the NPAC SMS is running.

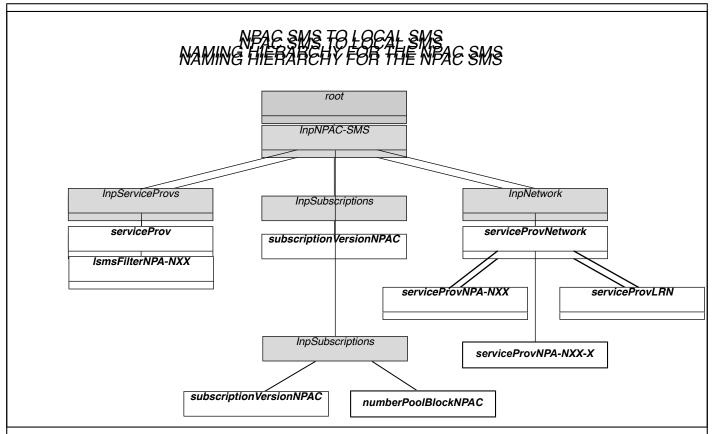


Exhibit 4. The NPAC SMS to Local SMS Naming Hierarchy for the NPAC SMS.

#### 3.1.4 NPAC SMS to Local SMS Naming Hierarchy for the Local SMS

The NPAC SMS to Local SMS Naming Hierarchy for Local SMS shows the naming hierarchy used in the Local SMS to instantiate objects defined in the NPAC SMS to Local SMS interface.

Shaded objects are instantiated at Local SMS start-up and are not created via M-CREATE or M-DELETE requests. All other objects are created at start-up from a persistent object store on the Local SMS or from actions taken while the Local SMS is running.

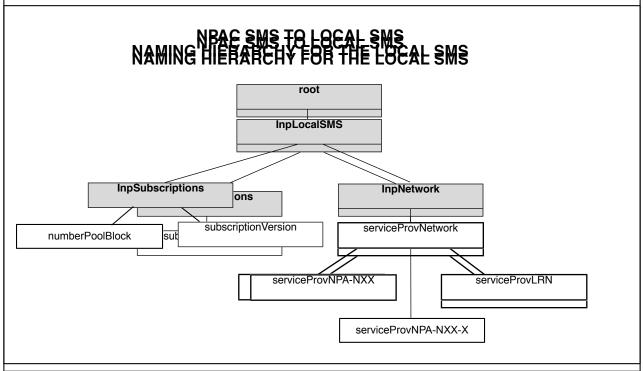


Exhibit 5. The NPAC SMS to Local SMS Naming Hierarchy for the Local SMS.

#### 3.1.5 SOA to NPAC SMS Naming Hierarchy for the NPAC SMS

The SOA to NPAC SMS Naming Hierarchy for the NPAC SMS shows the naming hierarchy used in the NPAC SMS to instantiate objects defined in the SOA to NPAC SMS interface.

Shaded objects are instantiated at NPAC SMS start-up and are not created via M-CREATE or M-DELETE requests. All other objects are created at start-up from a persistent object store on the NPAC SMS or from actions taken while the NPAC SMS is running.

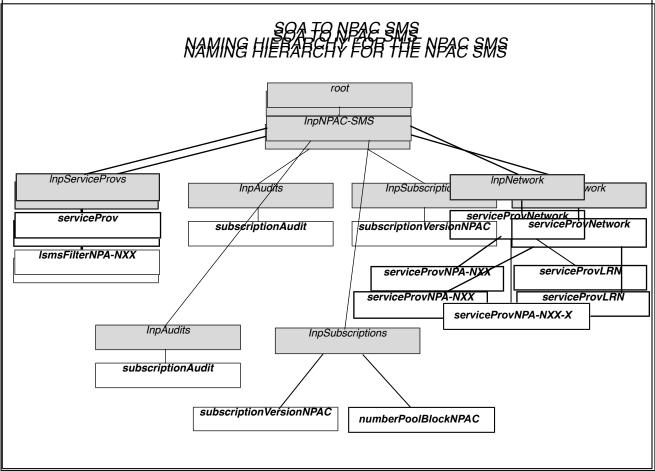


Exhibit 6. The SOA to NPAC SMS Naming Hierarchy for the NPAC SMS.

3.1.6 NPAC SMS to SOA Naming Hierarchy for the SOA

> The NPAC SMS to SOA Naming Hierarchy for SOA shows the naming hierarchy used in the SOA to instantiate objects defined in the SOA to NPAC SMS interface.

Shaded objects are instantiated at SOA start-up and are not created via M-CREATE or M-DELETE requests. All other objects are created at start-up from a persistent object store on the SOA or from actions taken while the SOA is running.

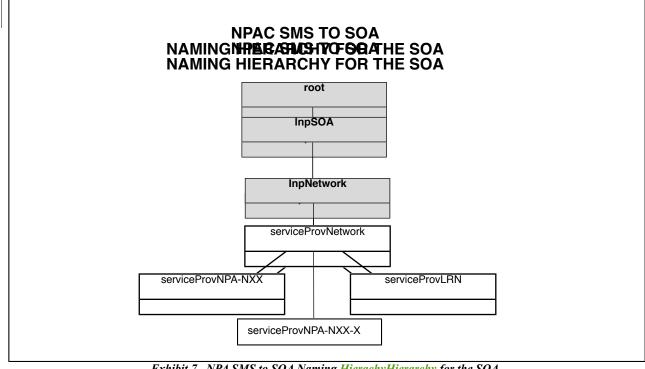


Exhibit 7. NPA SMS to SOA Naming HierachyHierarchy for the SOA.

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# 4 Interface Functionality to CMIP Definition Mapping

### 4.1 Overview

The following tables, Exhibits 8-12, contain the mapping of the interface functionality to managed objects, attributes, actions, and notifications.

#### 4.1.1 Primary NPAC Mechanized Interface Operations

The primary interface functions in support of the NPAC requirements are described in the table below, as well as their corresponding Common Management Information Exchange (CMISE) operation and referenced object type for that operation. This table does not include miscellaneous operations, such as service provider network data querying or downloading, etc. These functions are described in the object behaviors in the GDMO source below.

Function	Direction (To/From)	CMIP Operation	Referenced Object Type
Abort/Cancel Audit Request	from SOA	M-DELETE	subscriptionAudit
Audit Complete	to SOA	M-EVENT-REPORT: subscriptionAuditResults	subscriptionAudit
Audit Discrepancy	to SOA	M-EVENT-REPORT: subscriptionAuditDiscrepancyRpt	subscriptionAudit
Audit Query	from SOA	M-GET	subscriptionAudit
Audit Request SOA	from SOA	M-CREATE	subscriptionAudit
Cancellation Acknowledge- ment	from SOA (new service provider)	M-ACTION: subscriptionVersionNewSP- CancellationAcknowledge	InpSubscriptions
Cancellation Acknowledg- ment	from SOA (old service provider)	M-ACTION: subscriptionVersionOldSP- CancellationAcknowledge	InpSubscriptions
Conflict Removal	from SOA (new service provider)	M-ACTION: subscriptionVersionRemoveFromConflict	InpSubscriptions
Customer Disconnect Date	to SOA	M-EVENT-REPORT: subscriptionVersionDonorSP- CustomerDisconnectDate	subscriptionVersionNPAC
Final Request for Version Create	to SOA (old service provider)	M-EVENT-REPORT: subscriptionVersionOldSP- FinalConcurrenceWindowExpiration	subscriptionVersionNPAC

Exhibit 8. Primary NPAC Mechanized Interface Operations Table

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Function Direction CMIP Operation			Referenced
Function	(To/From)		Object Type
LSMS Filter NPA-	from LOCAL SMS	M-CREATE	lsmsFilterNPA-NXX
NXX Create	or		
	from SOA		
LSMS Filter NPA-	from LOCAL SMS	M-DELETE	lsmsFilterNPA-NXX
NXX Delete	or		
	from SOA		
LSMS Filter NPA-	from LOCAL SMS	M-GET	lsmsFilterNPA-NXX
NXX Query	or		
	from SOA		
Network Data	from LOCAL SMS	M-ACTION:	InpNetwork
Download	or	InpDownload	
	from SOA	or	
		M-GET: scoped and filtered for intended	
		serviceProvLRN, serviceProvNPA-NXX	
		serviceProvNPA-NXX-X, service provider attributes	
Network Data	from LOCAL SMS	M-CREATE	serviceProvLRN,
Update	or		serviceProvNPA-NXX
	from SOA		
NPA-NXX-X	to LOCAL SMS	M-CREATE:	serviceProvNPA-NXX-X
Create	or		
	to SOA		
NPA-NXX-X	to LOCAL SMS	M-DELETE	serviceProvNPA-NXX-X
Delete	or		
	to SOA		
NPA-NXX-X	to LOCAL SMS	M-SET	serviceProvNPA-NXX-X
Modify	or		
	to SOA		
New NPA-NXX	to LOCAL SMS	M-EVENT-REPORT:	SubscriptionVersionNPAC
	or	subscriptionVersionNewNPA-NXX	InpNPAC-SMS
	to SOA		
Number Pool	to SOA	M-EVENT-REPORT	numberPoolBlockNPAC
Block Change		attributeValueChange Notification or	
<u>Notification</u>		numberPoolBlockStatusAttributeValueCh ange Notification	
Number Pool	from SOA	M-ACTION:	InpSubscriptions
Block Create		numberPoolBlock-Create	
Number Pool	to LOCAL SMS	M-CREATE:	numberPoolBlock
Block Create		for a single numberPoolBlock	
Number Pool	from SOA	M-SET:	numberPoolBlockNPAC or

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Function	Direction (To/From)	CMIP Operation	Referenced Object Type
Block Modify		to a single numberPoolBlock	<u>lnpSubscriptions</u>
Number Pool Block Modify	to LOCAL SMS	MSET: to a single numberPoolBlock or	numberPoolBlock or InpSubscriptions
		scoped and filtered by NPA-NXX-X range for mass update	
<u>Number Pool</u> Block Delete	to LOCAL SMS	M-DELETE:	numberPoolBlock
<u></u>		for a single numberPoolBlock	
Number Pool Block Query	from LOCAL SMS or SOA	M-GET:	<u>lnpSubscriptions</u>
<u>Dioek Query</u>	<u>5011</u>	To a -single numberPoolBlockNPAC or	numberPoolBlockNPAC
		scoped and filtered for intended numberPoolBlocks	
Number Pool	to LOCAL SMS	M-GET:	<u>lnpSubscriptions</u>
Block Query		scoped and filtered for intended numberPoolBlock	
Notification	from LOCAL SMS	M-ACTION:	lnpNPAC-SMS
Recovery	or	InpNotificationRecovery	
	from SOA		
Recovery	from LOCAL SMS	M-ACTION:	InpNPAC-SMS
Complete	or	InpRecoveryComplete	
	from SOA		
Request for Cancellation Acknowledg- ment	to SOA	M-EVENT-REPORT: subscription VersionCancellationAcknowledgment Request	subscriptionVersionNPAC
Request for Version Create	to SOA (new service provider)	M-EVENT-REPORT: subscriptionVersionNewSP-Create Request	subscriptionVersionNPAC
Request for Version Create	to SOA (old service provider)	M-EVENT-REPORT: subscriptionVersionOldSP-Concurrence Request	subscriptionVersionNPAC
Service Provider Network Creation	to LOCAL SMS or to SOA	M-CREATE	serviceProvNetwork
Service Provider Network Deletion	to LOCAL SMS or to SOA	M-DELETE	serviceProvNetwork
Service Provider Network Service Provider Name Change	to LOCAL SMS or to SOA	M-SET: serviceProvName	serviceProvNetwork
Subscription Version Activate	from SOA	M-ACTION: subscriptionVersionActivate	InpSubscriptions
Subscription	from SOA	M-ACTION	InpSubscriptions

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#### Interface Functionality to CMIP Definition Mapping

Function	Direction (To/From)	CMIP Operation	Referenced Object Type
Version Cancel		subscriptionVersionCancel	
Subscription Version Change Notification	to SOA	M-EVENT-REPORT: attributeValueChangeNotification or subscriptionVersionStatusAttributeValue Change	subscriptionVersionNPAC
Subscription Version Conflict	from SOA (old service provider)	M-ACTION: subscriptionVersionOldSP-Create setting subscriptionOldSP-Authorization = FALSE	subscriptionVersion
Subscription Version Create	to LOCAL SMS	M-ACTION: subscriptionVersionLocalSMS-Create for multiple creates ( <i>i.e.</i> , range operations) where the data in the subscription versions is the same M-CREATE:	InpSubscriptions subscriptionVersion
		for an individual subscriptionVersion	
Subscription Version Create	from SOA	M-ACTION: subscriptionVersionOldSP-Create or subscriptionVersionNewSP-Create	InpSubscriptions
Subscription Version Delete	to LOCAL SMS	M-DELETE: scoped and filtered for intended subscriptionVersion criteria	subscriptionVersion
Subscription Version Disconnect	from SOA	M-ACTION: subscriptionVersionDisconnect	InpSubscriptions
Subscription Version Download	to LOCAL SMS	M-ACTION: subscriptionVersionLocalSMS-Create or M-CREATE: for an individual subscriptionVersion	InpSubscriptions
Subscription Version Download Request	from LOCAL SMS	M-ACTION: InpDownload or M-GET: scoped and filtered for intended subscriptionVersionNPAC criteria	InpSubscriptions
Subscription Version Modify	from SOA	M-ACTION: subscriptionVersion Modify or M-SET: on relevant subscriptionVersionNPAC attributes for pending, active, and conflict versions	InpSubscriptions
Subscription Version Modify	to LOCAL SMS	M-SET: scoped and filtered for intended subscriptionVersion criteria setting relevant attributes	InpSubscriptions
Subscription Version Query	from SOA from LOCAL SMS	M-GET: scoped and filtered for intended subscriptionVersionNPAC criteria setting	InpSubscriptions

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Function	Direction (To/From)	CMIP Operation	Referenced Object Type
		relevant attributes	
Subscription Version Query	to LOCAL SMS	M-GET: scoped and filtered for intended subscriptionVersion criteria	InpSubscriptions

# 4.1.2 Managed Object Interface Functionality

The table below contains the mapping of the SOA to NPAC SMS and the Local SMS to NPAC SMS managed objects to the interface functionality.

### Exhibit 9. Managed Object Interface Functionality Table

Managed Object Name	Interface Functionality Mapping
InpAudits	Container object used to contain all subscription audit objects on the NPAC SMS and the Local SMS. It is used in the SOA to NPAC SMS interface to support audit functionality.
InpLocal SMS	Container object used to contain all objects on a Local SMS. It is used in the NPAC SMS to Local SMS interface to support NPAC SMS communication to the service provider Local SMS system.
InpLogAudit- DiscrepancyRptRecord	Object used to log information from a subscriptionAudit-DiscrepancyRpt notification.
lnpLogAuditResultsRecord	Object used to log information from a subscriptionAuditResults notification.
InpLogCancellation AcknowledgeRequest Record	Object used to log information from a subscriptionVersionCancellationAcknowledgeRequest notification.
InpLogDonorSP- CustomerDisconnectDate Record	Object used to log information from a subscriptionVersionDonorSP-CustomerDisconnectDate notification.
InpLogLocalSMS- ActionResultsRecord	Object used to log information from a subscriptionVersionLocalSMS-ActionResults notification.
lnpLogNewNPA- NXXRecord	Object used to log information from a subscriptionVersionNewNPA-NXX notification.
InpLogNewSP- CreateRequestRecord	Object used to log information from a subscriptionVersionNewSP-CreateRequest notification.
InpLogNumberPoolBlockSt atusAttributeValueChangeR ecord	Object used to log information from a numberPoolBlockStatusAttributeValueChange notification.
InpLogOldSP- ConcurrenceRequestRecord	Object used to log information from a subscriptionVersionOldSP-ConcurrenceRequest notification.
InpLogOldSP- FinalConcurrenceWindow- Expiration	Object used to log information from a subscriptionVersionOldSP-FinalConcurrenceWindowExpiration notification
lnpLogOperational- InformationRecord	Object used to log information from a lnpNPAC-SMS-Operational-Information notification.

Managed Object Name	Interface Functionality Mapping	
lnpLogStatusAttributeValue ChangeRecord	Object used to log information from a subscriptionVersionStatusAttributeValueChange notification.	
InpNetwork	Container object used to contain all service provider network data on the NPAC SMS, SOA, and Local SMS. It is used in the NPAC SMS to Local SMS and SOA to NPAC SMS interfaces to support downloading of network data to the Local SMS and/or SOA and the functionality that allows service providers to create/delete their network data on the NPAC SMS.	
InpNPAC-SMS	Container object used to contain all objects on a NPAC SMS. It is used in the NPAC SMS to Local SMS and SOA to NPAC SMS interfaces to support NPAC SMS communication from the service provider Local SMS and the SOA systems.	
InpServiceProvs	Container object used to contain all service provider data on the NPAC SMS. It is used in the NPAC SMS to Local SMS interface and SOA to NPAC SMS interface to support retrieving of service provider data by the Local SMS and/or SOA and the functionality that allows service providers to update their service provider data on the NPAC SMS. Service providers can only retrieve their service provider data.	
InpSOA	Container object used to contain all objects on a SOA It is used in the SOA to NPAC SMS interface to support NPAC SMS communication to the service provider SOA system.	
InpSubscriptions	Container object used to contain all subscription versions <u>and number pool blocks</u> on the NPAC SMS and the Local SMS. It is used in the NPAC SMS to Local SMS and SOA to NPAC SMS interfaces to support query of subscription <u>and number pool</u> <u>block_data_</u> on the NPAC SMS and downloading of subscription <u>and number pool</u> <u>block_data</u> to the Local SMS.	
lsmsFilterNPA-NXX	Object used to represent the NPA-NXX values for which a service provider does not want to be informed of subscription version broadcasts.	
numberPoolBlock	Object used to represent a number pool block on the Local SMS. These objects are used to support number pool block download from the NPAC SMS to the EDR Local SMS using the NPAC SMS to Local SMS interface.	
	Local SMS may support this object by setting the "NPAC Customer LSMS EDR Indicator" to TRUE in their service provider profile on the NPAC SMS.	
numberPoolBlockNPAC	Object used to represent a number pool block on the NPAC SMS. These objects are used to support number pool block administration from the SOA using the SOA to NPAC SMS interface. Capability is provided to the SOA for creation and modification. The NPAC SMS can create, modify and delete.	
serviceProv	Object used to represent a service provider and its associated data on the NPAC SMS. These objects are used in the NPAC SMS to Local SMS and SOA to NPAC SMS interfaces to support retrieving of service provider data and the functionality that allows service providers to update their service provider data on the NPAC SMS except serviceProvId and serviceProvType. Service providers can only retrieve their service provider data.	
serviceProvLRN	Object used to represent an LRN associated with a service provider on the NPAC SMS, SOA, or Local SMS. These objects are used to support downloading of network LRN data to the Local SMS and/or SOA and the functionality that allows service providers to create/delete their own network LRN data. The service provider will have to add a new object and delete the old one to modify the data.	
serviceProvNetwork	Container object used to contain network data for a service provider on the NPAC SMS, SOA or Local SMS. It is used in the NPAC SMS to Local SMS and SOA to	

Managed Object Name Interface Functionality Mapping	
	NPAC SMS interfaces to support downloading of network data to the Local SMS and the functionality that allows service providers to update their network data on the NPAC SMS.
serviceProvNPA-NXX	Object used to represent an NPA-NXX associated with a service provider on the NPAC SMS, SOA or Local SMS. These objects are used to support downloading of network NPA-NXX data to the Local SMS and/or SOA and the functionality that allows service providers to create/delete their own network NPA-NXX data. NPA splits are supported only through direct contact with NPAC personnel.
serviceProvNPA-NXX-X	Object used to represent an NPA-NXX-X associated with a service provider on the NPAC SMS, SOA or Local SMS. These objects are used in number pooling to support downloading of network NPA-NXX-X data to the Local SMS or SOA. Only the NPAC SMS is allowed to create, delete and modify a service provider's NPA- NXX-X data.
	Local SMS may support this object by setting the "NPAC Customer LSMS NPA- NXX-X Indicator" to TRUE in their service provider profile on the NPAC SMS.
	SOA may support this object by setting the "NPAC Customer SOA NPA-NXX-X Indicator" to TRUE in their service provider profile on the NPAC SMS.
subscriptionAudit	Object used to represent a subscription audit request on the NPAC SMS. These objects are used to support subscription audit requests from the SOA to the NPAC SMS using the SOA to NPAC SMS interface. The object supports notifications for audit discrepancies found and audit completion results. If the subscription version LNP type is equal to 'pool', the appropriate number pool block will also be audited.
subscriptionVersion	Object used to represent a subscription version on the Local SMS. These objects are used to support subscription version download from the NPAC SMS to the Local SMS using the NPAC SMS to Local SMS interface
subscriptionVersionNPAC	Object used to represent a subscription version on the NPAC SMS. These objects are used to support subscription administration from the SOA using the SOA to NPAC SMS interface. Capability is provided for version creation, activation, modification, cancellation, disconnect, and query.

# 4.1.3 Action Interface Functionality

The table below contains the mapping of the SOA to NPAC SMS and the Local SMS to NPAC SMS actions to the interface functionality.

Exhibit 10. The Action Interface Functionality Table

Action Name	Interface Requirements Mapping
InpDownload	This action is used to support the downloading of subscription <u>, number</u> <u>pool block</u> and network data to the Local SMS from the NPAC SMS. It also supports the downloading of network data to the SOA from the NPAC SMS.
InpRecoveryComplete	This action is used to specify the system has recovered from down time and the transactions performed since the association establishment can now be sent to the Local SMS from the NPAC SMS using the Local SMS to NPAC SMS interface or the SOA from the NPAC SMS using the SOA to NPAC SMS interface.
numberPoolBlock-Create	This action is used to support creation of the number pool block object by the block holder service provider from the SOA to the NPAC SMS using the SOA to NPAC SMS interface.
subscriptionVersionActivate	This action is used to support subscription version activation by the new service provider from the SOA to the NPAC SMS using the SOA to NPAC SMS interface.
subscriptionVersionCancel	This action is used to support subscription version cancellation by a service provider from the SOA to the NPAC SMS using the SOA to NPAC SMS interface.
subscriptionVersionDisconnect	This action is used to support subscription version disconnection by the current service provider from the SOA to the NPAC SMS using the SOA to NPAC SMS interface.
subscriptionVersionLocalSMS-Create	This action can be used by the NPAC SMS to create multiple subscription versions via the Local SMS to NPAC SMS interface.
subscriptionVersionModify	This action is used to support subscription version modification by a service provider from the SOA to the NPAC SMS using the SOA to NPAC SMS interface.
subscriptionVersionNewSP- CancellationAcknowledge	This action is used to support the acknowledgment of subscription versions with a status of cancel-pending by the old service provider from the SOA to the NPAC SMS using the SOA to NPAC SMS interface.
subscriptionVersionNewSP-Create	This action is used to support subscription version creation by the new service provider from the SOA to the NPAC SMS using the SOA to NPAC SMS interface.
subscriptionVersionOldSP- CancellationAcknowledge	This action is used to support the acknowledgment of subscription versions with a status of cancel-pending by the old service provider from the SOA to the NPAC SMS using the SOA to NPAC SMS interface.
subscriptionVersionOldSP-Create	This action is used to support subscription version creation by the old service provider from the SOA to the NPAC SMS using the SOA to NPAC SMS interface.
subscriptionVersion	This action is used on the NPAC SMS via the SOA to NPAC SMS

Action Name	Interface Requirements Mapping
RemoveFromConflict	interface to set the subscription version status from conflict to pending.
InpNotificationRecovery	This action is used on the NPAC SMS via the SOA to NPAC SMS or Local SMS to NPAC SMS interface to recover notifications.

### 4.1.4 Notification Interface Functionality

The table below contains the mapping of the SOA to NPAC SMS and the Local SMS to NPAC SMS notifications to the interface functionality.

Exhibit 11. The Notification Interface Functionality Table

Notification Name	Interface Requirements Mapping
InpNPAC-SMS-Operational-Information	This notification is used to support the reporting of NPAC SMS scheduled down time. This notification can be issued from the lnpNPAC-SMS object on the NPAC SMS to a SOA via the SOA to NPAC SMS interface or from the NPAC SMS to the Local SMS via the NPAC SMS to Local SMS interface.
numberPoolBlockStatusAttributeValueChange	This notification is issued when the number pool block status is modified and can contain the number pool block status and failed service provider list. This notification is issued over the NPAC SMS to SOA interface from the numberPoolBlockNPAC object.
subscriptionAudit-DiscrepancyRpt	This notification is used to support the reporting of audit discrepancies found during audit processing. This notification can be issued from an audit object on the NPAC SMS to a SOA via the SOA to NPAC SMS interface.
subscriptionAudit-Results	This notification is used to support the reporting of audit processing results. This notification can be issued from an audit object on the NPAC SMS to a SOA via the SOA to NPAC SMS interface.
subscriptionVersionCancellationAcknowledgeRequest	This notification is issued to new and old service providers to request that a cancellation acknowledgment be sent for a subscription version in a cancel-pending state. This notification is issued via the SOA to NPAC SMS interface from the NPAC subscription version object if the service provider fails to acknowledge the cancellation after a tunable amount of time specified in the NPAC SMS.
subscriptionVersionDonorSP- CustomerDisconnectDate	This notification informs the donor service provider SOA that a subscription version is being disconnected. This notification is issued from a subscription version object on the NPAC SMS to a SOA via the SOA to NPAC SMS interface.
subscriptionVersionLocalSMS-ActionResults	This notification contains the results of a subscriptionVersionLocalSMS-Create action once all the

Notification Name	Interface Requirements Mapping
	create requests have been attempted. It is issued from the Local SMS to the NPAC SMS via the NPAC SMS to Local SMS interface.
subscriptionVersionNew-NPA-NXX	This notification informs the Local SMS or SOA of a pending subscription version or new number pool block involving the first use of an a new-NPA-NXX.
subscriptionVersionNewSP-CreateRequest	This notification is issued to the new service provider to request that a create request be sent for the subscription version created by the old service provider to provide authorization and/or porting information. This notification is issued via the SOA to NPAC SMS interface from the NPAC subscription version object if the new service provider failed to authorize porting of a number after a tunable amount of time specified in the NPAC SMS.
subscriptionVersionOldSP-ConcurrenceRequest	This notification is issued to the old service provider to request that a create request be sent for the subscription version created by the new service provider to provide concurrence for porting. This notification is issued via the SOA to NPAC SMS interface from the NPAC subscription version object if the old service provider failed to authorize porting of a number after a tunable amount of time specified in the NPAC SMS.
subscriptionVersionStatusAttributeValueChange	This notification is issued when the subscription version status is modified. This notification is issued from the NPAC SMS to ththee SOA via the SOA to NPAC SMS interface from the subscriptionVersionNPAC object.
SubscriptionVersionOldSPFinalConcurrenceWindow Expiration	This notification is issued to the old service provider to request for a final time that a create request be sent for the subscription version created by the new service provider to provide concurrence for porting. This notification is issued via the SOA to NPAC SMS interface from the NPAC subscription version object if the old service provider failed to authorize porting of a number after a tunable amount of time.

# 4.2 Scoping and Filtering Support

The following section defines the scoping and filtering support for both the SOA to NPAC SMS interface and LSMS to NPAC SMS interface.

# 4.2.1 Scoping

The NPAC SMS to Local SMS or SOA to NPAC SMS interfaces do not support scoping of CMIP operations of any type by the LSMS or SOA for the following objects:

- root
- InpLocal-SMS
- InpNetwork
- any object with an "empty" filter

NPAC SMS is not required to support Scope other than baseObject Scope for CMIP operations that specify baseManangedObjectClass of one of the following:

- InpNPAC-SMS
- InpServiceProvs

Scoped operations for subscriptionVersions <u>or numberPoolBlocks</u> to the LSMS must be supported on the baseObject (level 0) or from the lnpSubscriptions object with a non-empty filter.

The limit in scoping and functionality prevents the NPAC, SOA, and the LSMS systems from having to implement functionality or respond to large requests that are not necessary to support LNP over the mechanized interfaces.

# 4.2.2 Filtering

Filtering on the NPAC SMS is supported as defined in the GDMO. The NPAC SMS requires the Local SMS to support at a minimum the filter criteria specified below.

## Limitations:

- OR and NOT filter support is not required for the Local SMS or SOA.
- NOT filter support is not required for the NPAC SMS.
- Filtering requests with a scope will not be issued to the Local SMS or SOA by the NPAC SMS for any object other than the subscriptionVersion and numberPoolBlock objects. No query will be used that requests both subscription versions and number pool blocks at the same time.object.
- All authorization rules apply to scoped and filtered operations. For example, a query for data that a service provider is not authorized to view will be failed with a reason of access denied.
- CMISSync is not supported for any scoped/filtered CMIP operation.

The following table shows the CMISE primitive filtering support required of the Local SMS by the NPAC SMS for the subscription Version object.

Exhibit 12 - CMISE Primitive Filtering Support for the Subscription Version Object

CMISE Primitives	Filter Supported	Notes
M-ACTION	N	No actions are defined for the subscriptionVersion object.
M-GET	Y	TN Range with greatOrEqual, lessOrEqual, equality must be supported for auditing.
		LNP type with equality must be supported for TN range query requests.
M-SET	Y	TN Range with greatOrEqual, lessOrEqual, equality must be supported for Mass Update or TN range modify requests.
		LNP type with equality must be supported for TN range modify requests.
M-DELETE	Y	TN Range with greatOrEqual, lessOrEqual, equality will be supported for range disconnect or port to original requests.
		LNP type with equality must be supported for TN range delete requests.

# **Exhibit 13** CMISE Primitive Filtering Support for the Number Pool Block Object

<b><u>CMISE Primitives</u></b>	<b>Filter Supported</b>	Notes
M-ACTION	N	No actions are defined for the number pool block object.
M-GET	Y	NPA-NXX-X Range with greatOrEqual, lessOrEqual, equality must be supported for auditing.
M-SET	Y	<u>NPA-NXX-X Range with greatOrEqual, lessOrEqual, equality must be</u> <u>supported for Mass Update modify requests.</u>
M-DELETE	N	Single request deletes are sent to the number pool block.

#### 4.2.3 Action Scoping and Filtering Support

For messages sent to any object, the scope and filter will be checked to insureensure it is appropriate for that object class.

- All M-ACTIONs that relate to subscriptions and number pool blocks are targeted to InpSubscriptions.
- The ONLY filters allowed by the GDMO for lnpSubscriptions are "equality" and "present" for the single attribute lnpSubscriptionsName.
- If any one of the above M-ACTIONs is sent to a subscriptionVerisonNPAC or numberPoolBlockNPAC object you will get a "no such action" error response from that object.
- If you send a scoped/filtered M-ACTION whose scope includes objects of class subscriptionVersionNPAC<u>or numberPoolBlockNPAC</u>, you will receive an error "no such action" from each object specified by the filter. This could mean 1 for EVERY subscriptionVersion or numberPoolBlock in the NPAC.

#### 4.3 InpLocal-SMS-Name and InpNPAC-SMS-Name Values

The following table (Exhibit 14) shows the values to be used for all currently identified NPAC regions for lnpNPAC-SMS-Name in the lnpNPAC-SMS object. The lnpLocal-SMS-Name for the InpLocal-SMS object will be the service provider ID followed by a dash and the InpNPA-SMS Name (e.g., 9999-Midwest Regional NPAC SMS).

Exhibit 14 - Defined InpLocal-SMS-Name and InpNPAC-SMS-Name Values

NPAC Customer Ids	NPAC SMS Region	InpNPAC-SMS-Name
0000	Midwest	Midwest Regional NPAC SMS
0001	Mid-Atlantic	Mid-Atlantic Regional NPAC SMS
0002	Northeast	Northeast Regional NPAC SMS
0003	Southeast	Southeast Regional NPAC SMS
0004	Southwest	Southwest Regional NPAC SMS
0005	Western	West Regional NPAC SMS
0006	West Coast	West Coast Regional NPAC SMS
0007	Canada	Region8 NPAC Canada

#### 4.4 **OID Usage Information**

#### 4.4.1 OIDs Used for Bind Requests

Value	OID	
CMIPUserInfo	2:1:1 (per standards and pp.49 IIS1.5)	
CMIPAbortInfo	2:1:1 (per standards and pp.51 IIS1.5)	
LnpAccessControl	{lnp-attribute 1} = 1:3:6:1:4:1:103:7:0:0:2:1	
UserInfo (NpacAssociationInfo)	1:3:6:1:4:1:103:7:0:0:2:105	
Application context	2:9:0:02 (per standards)	

#### 4.4.2 Other OIDs of Interest

Value	OID
AccessControl OID as part of a SMI notification	1:3:6:1:4:1:103:7:0:0:8:1
AccessControl as part of LNP notifications	{lnp-attribute 1} = 1:3:6:1:4:1:103:7:0:0:2:1

#### 4.5 **Naming Attributes**

Non-zero values are not supported in the auto-instance naming attributes for Local Number Portability objects defined in the IIS.

# 4.6 Subscription Version M\_DELETE Messages

M\_DELETE commands are not sent for subscription versions set to old as a result of subsequent porting activity. M\_DELETEs for subscription versions are only sent as a result of disconnect or port to original processing. Local SMS systems are responsible for deletion of the subscription versions in their Local SMS database due to the fact that some LSMS implementations may choose to retain old subscription versions in their database.

# 5 Secure Association Establishment

## 5.1 Overview

This section describes the security, the association management and recovery procedures for the service provider SOAs and Local SMSs to follow, and how error information will be passed between interfaces.

The first section describes the security and authentication procedures used in the NPAC SMS interface. The second section describes the NPAC SMS's behavior and error handling and suggests how a service provider SOA or Local SMS should proceed when establishing an association.

# 5.2 Security

This section describes the security processes and procedures necessary for service provider SOA systems and Local SMSs to establish a secure association and maintain secure communication with the NPAC SMS. Security threats to the NPAC SMS include:

- Spoofing An intruder may masquerade as either the SOA, Local SMS, or NPAC SMS to falsely report information.
- Message Tampering An intruder may modify, delete, or create messages passed.
- Denial or Disruption of Service An intruder may cause denial or disruption of service by generating or modifying messages.
- Diversion of Resources An intruder may generate or modify messages that cause resources to be diverted to unnecessary tasks.
- Slamming An intruder may generate or modify messages that cause customer's service to be moved between service providers.

Security threats are prevented in the NPAC SMS by use of the following methods:

- Strong two way authentication at association.
- Insuring data integrity by detection of replay, deletion, or modification to a message.
- Insuring non-repudiation of data by guaranteeing integrity and supporting data origination authentication for each incoming message.
- Implementation of access control and application level security that allows only authorized parties to cause changes to the NPAC SMS database.

# 5.2.1 Authentication and Access Control Information

The following access control information definition will be used in the AccessControl field of the association and CMIP PDUs to insureensure a secure communication for both the SOA to NPAC SMS interface and the NPAC SMS to Local SMS interface:

```
LnpAccessControl ::= SEQUENCE {
    systemId
                           SystemID,
                      [0]
    systemType
                      [1]
                           SystemType,
                           GraphicString60 OPTIONAL,
    userId
                      [2]
    listId
                      [3]
                           INTEGER,
                           INTEGER,
    kevId
                      [4]
    cmipDepartureTime [5]
                           GeneralizedTime,
                           INTEGER (0...4294967295),
    sequenceNumber
                      [6]
                           AssociationFunction,
                      [7]
    function
    recoveryMode
                      [8]
                           BOOLEAN signature
                      [9]
    signature
                           BIT STRING
}
ServiceProvId ::= GraphicString4
SystemID ::= CHOICE {
    serviceProvID [0] ServiceProvId,
    npac-sms [1] GraphicString60
}
SystemType ::= ENUMERATED {
    soa(0),
    local-sms(1),
    soa-and-local-sms(2), -- value will not be supported initially
                             by some NPAC SMS implementations;
                             value will be removed in the next
                             major release of the IIS
    npac-sms(3)
                            --value is only valid for AccessControl
                              definition
}
AssociationFunction ::= SEQUENCE {
    soaUnits [0] SoaUnits,
    lsmsUnits [1] LSMSUnits
}
SoaUnits ::= SEQUENCE {
    soaMgmt [0] NULL OPTIONAL,
    networkDataMgmt [1] NULL OPTIONAL,
    dataDownload [2] NULL OPTIONAL
}
LSMSUnits ::= SEQUENCE {
    dataDownload [0] NULL OPTIONAL LSMSUnits ::= SEQUENCE {
    dataDownload [0] NULL OPTIONAL,
networkDataMgmt [1] NULL OPTIONAL,
    query [2] NULL OPTIONAL
}
```

Exhibit 15. Access Control

5.2.1.1	System Id	
		The system Id is the unique Id for the system using an interoperable interface and must be specified in the systemId field. For a service provider using the SOA and/or Local SMS interfaces, this is the Service Provider ID. For the NPAC SMS, it is the unique identifier for the regional SMS.
		In cases where a service provider is providing SOA services for an associated service provider, the primary service provider must establish the association with their System Id set to their primary Service Provider ID. PDUs that are subsequently sent to the NPAC SMS may contain the primary or associated Service Provider Ids of the requesting service provider. Associated Service Provider Ids are sent in the System Id when actions are being taken on behalf of an associated service provider). The Service Provider ID specified in the access (the primary service provider). The Service Provider ID specified in the access control for PDUs sent after association establishment, whether it's the primary or secondary Service Provider ID, is considered the requesting service provider and all validations will use this Service Provider ID.
5.2.1.2	System Type	
		The system type that indicates the type of system using the interoperable interface must be specified in the systemType field. The valid types are SOA and/or Local SMS and NPAC SMS.
5.2.1.3	User Id	
		The user Id of the user of the interface can optionally be specified in the userId field for the SOA interface. This is the 60 character graphics string user identifier for a user on a SOA system. It is not validated on the NPAC SMS, however, it is used for logging purposes.
5.2.1.4	List Id	
		The list Id must be specified as an integer in the listId field to identify a key list. This key list is one of the key lists exchanged outside of the interface process that is known to both the NPAC SMS and the Local SMS or SOA system it is communicating with.
		NPAC key lists and service provider key lists are to be managed based upon service provider id and presentations layer address (P-selector) of the service provider's SOA system and/or Local SMS system. Also, a given service- provider id and P-selector value exist for one or more Network Service Access- Points (NSAP).
		Each P-selector value, for a given service provider id, must be a unique value within the NPAC SMS.
		The NPAC SMS must generate and maintain NPAC key lists based upon the service provider's service provider id and P-selector value of the system(s) that support its SOA and LSMS interfaces. In addition, service providers(SOA systems and Local SMS systems) must also manage the NPAC's key lists. Each side of the interface must support multiple NPAC key lists per service provider id and P-selector value.
		Service providers (SOA system and Local SMS system) must generate and maintain key lists based upon the service provider's service provider id and P- selector value of the system(s) that support its SOA and LSMS interfaces. Furthermore, the NPAC SMS must also manage the service provider's key lists.

Each side of the interface must support multiple service provider(SOA system and Local SMS) key lists per service provider id and P-selector value.

In cases where a service provider is providing SOA services for an associated service provider, key lists are only exchanged with the primary service provider using the primary service provider id.

# 5.2.1.5 Key Id

The key Id of a key in the key list must be specified as an integer in the keyId field. This uniquely identifies the key in the key list used to create the digital signature. The size of the modulus for the key is variable between 600 and 2048 bits.

Since key lists are to be managed based upon service provider id and the Pselector value of a service provider's SOA system and/or Local SMS system, keys are to be treated independently at the presentation layer for an association. By using presentation layer support of a key list, SOA and Local SMS systems can have one key or unique keys to support the SOA and LSMS interfaces. The following situations are supported:

- 1. If a service provider has one process supporting the SOA and LSMS interface, then the process has one P-selector value supporting both interfaces. The SOA/Local SMS system would use the same key list and the same key for all associations created for the both the SOA and LSMS interface. The NPAC SMS would in turn have one NPAC key list and key to support both interfaces.
- 2. If a service provider has two processes supporting the SOA and LSMS interface, then each process would have different P-selector values. The SOA and Local SMS systems would use separate key lists and keys per interface. In detail, the SOA system would use a key list and key for all associations involving the SOA interface and the Local SMS system would use a different key list and key for all associations involving the SMS would also manage separate key lists and keys per the SOA and LSMS interface. Furthermore, the NPAC SMS would use the same key list and key for all associations within a given interface.
- 3. If a service provider has an SOA system or a Local SMS system that consists of multiple processes, then each processes would have different P-selector values. Therefore, each process would manage separate key lists and separate keys per process. The NPAC SMS would also manage separate key lists/keys per process. For example, if a Local SMS system consists of 2 processes (one process supporting subscription data and the other supporting network/query data), the processes would have separate P-selector values and use separate key lists/keys per association. The NPAC SMS would also manage separate key lists/keys per association. The NPAC SMS would also manage separate key lists and keys per process within the LSMS interface.

Note: In cases where a service provider is providing SOA services for an associated service provider, keys are used from primary service provider key lists

If the service provider determines their key is compromised they should change their own private key and list. If the NPAC determines that their key is compromised then they should change their own private key and list. The NPAC should not invalidate a service <u>providersprovider's</u> key and vice versa. However, should either side of the industry interfaces (SOA and Local SMS interface) change keys, the remote side is expected to mark the previously used key as used (key expiration). Previously used keys (ListId/KeyId combinations)

		are considered expired and result in a security violation across the industry interface when re-used.
5.2.1.6	CMIP Departure Time	
		The CMIP departure time must be specified in GeneralizedTime in the cmipDepartureTime field as the time the PDU departed the sending system. The universal time format (YYYYMMDDHHMMSS.0Z) is used. In order to insureensure data integrity and no-repudiation the NPAC SMS system must be synchronized to within five minutes of the Local SMS and SOA systems that it communicates.
5.2.1.7	Sequence Number	
		The sequence number is a 32 bit integer that must be specified in the sequenceNumber field. It should be specified as zero at association time and incremented by one for every message sent over the association. Once the sequence number reaches 4294967295 the counter will be reset to one for the association. Please note that each sender independently keeps its own counter for the sequence number of messages sent and received. For example, after association is established, a Local SMS could send three messages to the NPAC SMS with sequence numbers 1, 2, and 3 respectively. The NPAC SMS when sending its first message to the Local SMS would use sequence number 1 not sequence number 4.

# 5.2.1.8 Association Functions

The Association Function(s) must be specified on the initial association request (AARQ PDU). The following table lists the possible Association Functions that can be specified for each of the Association Request Initiators and the associated bit mask value:

Association Request Initiator	SOA	Local SMS
Association Function		
SOA Management (Audit and Subscription Version)	0x01	
Classes:		
InpSubscriptions		
numberPoolBlock		
numberPoolBlockNPAC		
subscriptionAudit		
subscriptionVersion		
subscriptionVersionNPAC		
Service Provider and Network Data Management	0x02	0x04
Classes:		
InpNetwork		
InpNPAC-SMS		
InpServiceProvs		
IsmsFilterNPA-NXX		
serviceProv		
serviceProvLRN		

#### **Exhibit 16 Association Functions**

Association Request Initiator	SOA	Local SMS
Association Function		
serviceProvNetwork		
serviceProv-NPA-NXX		
serviceProvNPA-NXX-X		
LSMS Network and Subscription Data Download		0x08
Classes:		
InpNetwork		
InpSubscriptions		
SOA Network Data Download	0x20	
Classes:		
InpNetwork		
Query Outbound from the NPAC SMS		0x10
Classes:		
All		

The association functions specified upon association are stored. Then all subsequent operations performed by that associations are then validated against that data to verify that they are 'legal'. All outbound messages from the NPAC are also validated against the association functions and if a service provider does not have the correct masking set, they will not receive the transmission. Note that the multiple Association Functions can be specified for an association. For example, a Local SMS can establish an association for both the process audit and network and subscription data download association functions.

# 5.2.1.9 Recovery Mode

The recovery mode flag is set to TRUE when a Local SMS or SOA is
establishing a connection after a downtime. This flag indicates to the NPAC
SMS to hold all current transactions until the Local SMS or SOA sends the
Recovery Complete action. Once an association is established in recovery mode
by a Local SMS, the Local SMS should request subscription and network
downloads and notifications that occurred during downtime. Once an
association is established in recovery mode by a SOA, the SOA should request
network downloads and notifications that occurred during downtime. After these
steps are complete, the Local SMS or SOA should submit the Recovery
Complete action. The NPAC SMS will respond to the recovery complete action,
send all updates that occurred since association establishment and then normal
processing will resume. See Appendix B, Section 7.1.
1

Service Provider Local SMS and SOA systems recover data independently. SOA systems can recover their information before, after, or concurrently with an LSMS using the same Service Provider Id.

A service provider providing SOA services for associated service providers can recover notifications for the primary and each associated service provider id prior to issuing the Recovery Complete action.

# 5.2.1.10 Signature

The signature field contains the MD5 hashed and encrypted systemId, the system type, the userId, the cmipDepartureTime, and sequenceNumber without separators between those fields or other additional characters. Before hashing

and encryptions, character fields are ASCII format and integer fields are 32 bit big endian. Encryption is done using RSA encryption using the key from the key list specified. Validation of this field <u>insureensures</u> data integrity and non-repudiation of data. The following is additional information about how the information should be represented for digital signature encoding:

Field	Format	Contents
systemID	ASCII	
systemType	Integer	e.g. local-sms = 1
userId	ASCII	
cmipDepartureTime	ASCII	"YYYYMMDDHHMMSS.OZ" format
sequenceNumber	Integer	

#### 5.2.2 Association Establishment

Strong two way authentication at association is done for both the SOA to NPAC SMS interface and the NPAC SMS to Local SMS interface. This secure association establishment is done at the application level using the access control field described above. The access control information used during association set-up is sent in the association control messages. Association establishment can be done by the SOA to NPAC SMS or Local SMS to NPAC SMS. The NPAC SMS cannot initiate an association. The initiator of the association specifies its information in the AARQ PDU message and the responder in the AARE PDU.

When the SOA or LSMS initiate an association with the NPAC the NSAP and P-selector values will be validated to <u>insurcensure</u> that they are valid for the service provider initiating the association. The following is an example of the information exchanged in the AARQ and AARE PDUs and the processing involved. Assume for the example:

- A Local SMS is making an association with the NPAC SMS.
- The Local SMS systemId is "9999."
- The NPAC SMS systemId is "NPAC SMS User Id."
- The listId for the key list is 1.
- The keyId is 32.
- The key in listId 1 with a keyId of 32 is "ABC123."
- The sequence number is 0 (as required).

The Local SMS initiates the association request by creating and sending an AARQ PDU to the NPAC SMS. This AARQ PDU contains the following access control information in the syntax described above:

- The systemId of "9999".
- The listId of 1.
- The keyId of 32.

- The current Local SMS GMT time in the cmipDepartureTime.
- A sequence number of 0.
- The signature contains MD5 hashed and encrypted systemId, systemType, userId, cmipDepartureTime, and the sequenceNumber using the encryption key "ABC123" as found in key list 1 with key id 32.
- And all BOOLEAN items are set to FALSE in the functional groups field, except for the LSMSUnit of Query item which is set to TRUE.

Once the AARQ PDU is sent, the sender (in this case the Local SMS), starts a tunable timer (with a default value of 2 minutes). If the timer expires before the AARE PDU is received then the Local SMS will terminate the association attempt.

When the NPAC SMS receives the association request it validates the data received. The data is validated as follows:

- EInsure the systemId is present and valid for the association.
- <u>E</u>Insure the sequence number is 0.
- EInsure the cmipDepartureTime is within 5 minutes of the current NPAC SMS GMT time.
- Find the key specified and decrypt the signature insuring that the systemId, systemType, userId, cmipDepartureTime, and sequenceNumber are the same as those specified in the PDU.
- The functional groups requested are valid for the system type that requested the association. In this example, the system type must be "local-sms(1)" {"soa-andlocal-sms(2)" value is to be removed from a future version of the IIS}.

If validation of the AARQ PDU fails then an A-ABORT will be issued by the NPAC SMS with an error of access denied. If the validation of the AARQ PDU is successful then an AARE PDU would be sent back to the Local SMS. This AARE PDU contains the following access control information in the syntax described above:

- The systemId of "NPAC SMS User Id."
- The listId of 1.
- The keyId of 32.
- The current NPAC SMS GMT time in the cmipDepartureTime.
- A sequence number of 0.
- And the signature contains MD5 hashed and encrypted systemId, systemType, userId, cmipDepartureTime, and the sequenceNumber using the encryption key "ABC123" as found in key list 1 with key id 32.

The NPAC SMS may choose to optionally specify a new listId and keyId if for any reason it wants to make a key change. Should either side of the interface change its listId/keyId values, both sides of the interface must mark the previously used keyId as used.

When the Local SMS receives the association response it validates the data received. The data is validated as follows:

- **E**Insure the systemId is present and valid for the association. (Note: the userId field is not required for Local SMS and NPAC SMS associations).
- EInsure the sequence number is 0.
- EInsure the cmipDepartureTime is within 5 minutes of the current Local SMS GMT time.
- Find the key specified and decrypt the signature insuring that the systemId, systemType, userId, cmipDepartureTime, and sequenceNumber are the same as those specified in the PDU.

If validation of the AARE PDU fails then an A-ABORT will be issued by the Local SMS. If validation is successful then a secure association has been established.

## 5.2.3 Data Origination Authentication

For M-GET, M-SET, M-CREATE, M-DELETE, and M-ACTION, the access control field described above is used for data origination authentication. Please note that any of the messages sent between manager and agent must be sent in confirmed mode. The following is an example of the information exchanged in the CMIP PDUs and the processing involved. Assume for the example:

- A SOA is making an association with the NPAC SMS.
- The SOA system provides SOA functionality for another Service Provider.
- The SOA systemId is "9999" for the primary Service Provider Id and is "8888" for an associated Service Provider Id.
- The NPAC SMS systemId is "NPAC SMS User Id."
- The listId for the key list is 1.
- The keyId is 32.
- The key in listId 1 with a keyId of 32 is "ABC123."
- The sequence number is 1.

The SOA sends an M-GET to the NPAC SMS. The M-GET PDU contains the following access control information in the syntax described above:

- The systemId of "8888."
- The listId of 1.
- The keyId of 32.
- The current Local SMS GMT time in the cmipDepartureTime.
- A sequence number of 1.
- And the signature contains MD5 hashed and encrypted systemId, systemType, userId, cmipDepartureTime, and the sequenceNumber using the encryption key "ABC123" as found in key list 1 with key Id 32.

Once the M-GET is sent, the sender (in this case the SOA), starts a tunable timer (with a default value of 2 minutes). If the timer expires before the M-GET CMISE service response is received then the SOA will regenerate the sequenceNumber,

cmipDepartureTime and signature and resend the request. The SOA should resend a default of 3 times and abort the association if no response is received. If a response is received after the timeout period, it should be discarded. If an error message is received on a retry request, it should be evaluated to see if the request was processed or the error was received for other reasons. For example, an error of "duplicateObjectInstance" for an M-CREATE request most likely indicates a successful create.

When the NPAC SMS receives the M-GET request it validates the data received. The data is validated as follows:

- EInsure the systemId is present and valid for the association. For the SOA the systemId can be the primary or associated Service Provider Id depending on the requestor.
- E-Insure the sequence number is the next sequence number expected. (In this case 1).
- EInsure the cmipDepartureTime is within 5 minutes of the current NPAC SMS time.
- Find the key specified and decrypt the signature, insuring that the systemId, systemType, userId, cmipDepartureTime, and sequenceNumber are the same as those specified in the PDU.

If validation of the M-GET PDU fails then an A-ABORT will be issued by the NPAC SMS without any additional information to prevent tampering and unauthorized use of network resources by intruders. If the validation of the M-GET PDU is successful then the NPAC SMS would get the data requested and send back an M-GET Response to the SOA.

Since CMIP notifications (M-EVENT-REPORT) do not have access control fields, all notifications defined contain the access control information in the notification definition. ObjectCreation, ObjectDeletion, and AttributeValueChange should use the "information" attribute, which is an ANY DEFINED BY to contain the access control field. The values and authentication for the notification access control fields are the same as above.

When the NPAC sends a notification, the destination service provider is uniquely identified in the distinguishedName of the M-EVENT-REPORT. The lnpLocalSMS-Name attribute value(2.17) is appended to the service provider's id and is used to populate the value of the first element of the EventReportArgument's managedObjectInstance distinguishedName. This allows primary service providers to distinguish notifications destined for themselves and for each secondary service provider.

# 5.2.4 Audit Trail

Audit trails will be maintained in logs on the NPAC SMS for the following association information:

- Association set-up messages.
- Association termination messages.
- Invalid messages:
  - Invalid digital signature.
  - Sequence number out of order.
  - Generalized time out of range.
  - Invalid origination address.
- All incoming messages regardless of whether or not they cause changes to data stored in the NPAC SMS.

This information will be made available for report generation on the NPAC SMS system. It will not be made available through the NPAC SMS Interoperable Interface.

#### 5.3 Association Management and Recovery

5.3.1 Establishing Associations

#### 5.3.1.1 NpacAssociationUserInfo

The following structure will be used to report the status of a login attempt or the current state of the NPAC SMS:

```
NpacAssociationUserInfo ::= SEQUENCE {
    error-code [0] IMPLICIT ErrorCode,
    error-text [1] IMPLICIT GraphicString(SIZE(1..80))
}
ErrorCode ::= ENUMERATED
{
    success (0),
    access-denied (1)
    retry-same-host (2)
    try-other-host (3)
}
Dird Decrease and Decreases
```

Bind Requests and Responses

For AARQ (M-Bind requests) the NPAC SMS will be ignoring the CMIPUserInfo userInfo field. The SMASEUserInfo will be ignored by the NPAC SMS.

In order to validate a successful login, the AARE (M-Bind response) from the NPAC SMS will contain the NpacAssociationUserInfo as the "userInfo" field of the CMIPUserInfo that is contained on the AARE. The ErrorCode will be set to "success".

The following structure will be used for CMIPUserInfo:

```
CMIPUserInfo ::= 2:9:1:1:4
--{joint-iso-ccitt(2) ms(9) cmip(1) cmip-pci(1)
abstractSyntax(4)}
CMIPUserInfo ::= SEQUENCE {
    protocolVersion [0] IMPLICIT ProtocolVersion
    DEFAULT {version1-cmip-assoc},
    functionalUnits [1] IMPLICIT FunctionalUnits DEFAULT {},
    accessControl [2] EXTERNAL OPTIONAL
    userInfo [3] EXTERNAL OPTIONAL
}
```

5.3.1.2 Unbind Requests and Responses

The NPAC SMS will never be issuing the RLRQ (M-Unbind request), but will respond to them from the SOA or Local SMS.

# 5.3.1.3 Aborts

For unsuccessful logon attempts or situations where the NPAC SMS application must abort all associations, the ABRT CMIPAbortInfo structure's "userInfo" will contain the NpacAssociationUserInfo structure. The ErrorCode will be set to one of the enumeration values.

The following structure will be used for CMIPAbortInfo:

```
CMIPAbortInfo ::= 2:9:1:1:4
--{joint-iso-ccitt(2) ms(9) cmip(1) cmip-pci(1)
abstractSyntax(4)}
CMIPAbortInfo ::= SEQUENCE {
   abortSource [0] IMPLICIT CMIPAbortSource,
   userInfo [1] EXTERNAL OPTIONAL
}
```

#### 5.3.1.4 NPAC SMS Failover Behavior

Under normal conditions, the primary NPAC SMS will be responding by accepting association requests while the secondary NPAC SMS will be responding by denying association requests with an ABRT and error code of TRY\_OTHER\_HOST.

When the primary NPAC SMS needs to go down for a short period of time (secondary will not take over), the primary NPAC SMS will either not be responding (if down) or be denying association requests with an error code of RETRY \_SAME\_HOST (if partially up). The secondary NPAC SMS will be responding by denying association requests with an ABRT and error code of TRY\_OTHER\_HOST.

When the primary NPAC SMS goes down (scheduled or unscheduled) and the secondary NPAC SMS is re-synchronizing to become active, the primary NPAC SMS will be denying association requests with an ABRT and error code of TRY\_OTHER\_HOST. The secondary NPAC SMS will be responding by denying association requests with an ABRT and error code of RETRY\_SAME\_HOST. Once the secondary NPAC SMS is done resynchronizing, it will then start accepting association requests.

#### 5.3.1.5 Service Provider SOA and Local SMS Procedures

The following is an algorithm that can be used by a service provider SOA or Local SMS when trying to establish an association with the NPAC SMS:

try to establish an association on the primary NPAC SMS if a
response was obtained
{
 if the response was an ABRT and the ABRT is from the NPAC
 Application
 {
 switch (error code)
 {
 case ACCESS\_DENIED
 }
}

```
find out what is causing the error and fix it
        retry the association on the primary NPAC SMS
      case RETRY SAME HOST
        wait X seconds
        retry the association on the primary NPAC SMS
      case TRY OTHER HOST
        wait X seconds
        execute this algorithm again substituting
        "secondary" for "primary"
    }
  }
  else
  {
    if the response was an ABRT and from the PROVIDER
    (not application)
        find out what is causing the error and fix it
        retry the association on either the primary or
        secondary NPAC SMS
  }
else
{
  # timeout - some type of network error has occurred
  # a number of different things can be done:
  #
  #
      wait X seconds
  #
      retry primary
  #
  #
          or
  #
  #
      find out what is causing the error and fix it
  #
      retry the association on the primary NPAC SMS
  #
  #
          or
  #
  #
      wait X seconds
  #
      execute this algorithm again substituting
  #
      "secondary" for "primary"
}
```

#### 5.3.2 Releasing or Aborting Associations

Any of the systems, NPAC SMS, service provider SOA or Local SMS can abort an association at any time. Only the SOA and Local SMS can perform an RLRQ request. Once a scheduled outage has arrived, the NPAC SMS will abort associations (error code of "Try Other Host" or "Retry Same Host" depending on the type of outage).

#### 5.3.3.1 NPAC SMS Error Handling

The NPAC SMS will issue errors to the Local SMS and SOA interfaces based upon the definitions and mappings in Appendix A. The NPAC SMS expects the SOA and Local SMS to support the same error definitions when both issuing and receiving error responses for the operations each interface supports.

The NPAC SMS will attempt to interpret an error returned from a SOA or Local SMS. The NPAC SMS will log the error. If the request is not resent and the error response was returned from a Local SMS and related to a subscription version broadcast (M-CREATE or Create Action, M-DELETE, M-SET), a broadcast failure will be noted for the service provider on the subscription version. If a service provider does not have an active Local SMS association at the time of a broadcast, the broadcast will be automatically failed for the service provider.

The Local SMS and SOA are expected to recover themselves with the NPAC SMS when their association is reestablished. Thus it is the responsibility of the Local SMS and SOA to request the necessary data to rectify the failed transmission of M-EVENT-REPORTs, network data updates and non-broadcast oriented subscription version updates.

If the NPAC SMS sends a request to a Local SMS or SOA and receives no response from the CMISE service within the tunable period, the NPAC SMS will resend the message according to the tunable retry periods for the specific message type. If a response is received after the timeout period, it will be discarded. If the NPAC SMS receives no response, the NPAC SMS will assume the association is down and abort the connection. The Local SMS and SOA systems should assume the same behavior with the NPAC SMS.

#### 5.3.3.2 Processing Failure Error

In addition to the standard CMIP error reporting mechanisms, the following attribute will be passed in the SpecificErrorInfo structure on CMIP errors that return a PROCESSING FAILURE error. This structure will be used to detail errors not covered by the standard CMIP error codes.

#### GDMO Definition

lnpSpecificInfo ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.LnpSpecificInfo;
MATCHES FOR EQUALITY;
BEHAVIOUR lnpSpecificInfoBehavior;
REGISTERED AS {lnp-attribute 8};

lnpSpecificInfoBehavior BEHAVIOUR

DEFINED AS !

This attribute is used to return more detailed error text information upon a CMIP Processing Failure error.

```
1;
```

#### ASN.1 Definition

LnpSpecificInfo ::= GraphicString(SIZE(1..256))

5.3.4 Recovery

The SOA and Local SMS associations are viewed to be permanent connections by the NPAC SMS. Thus when the association is broken for any reason, the system connecting

to the NPAC SMS must assume responsibility to recover and resynchronize themselves with the NPAC SMS. One association should be established for recovery and no other associations should be established in normal mode until recovery is complete.

During the recovery process, other messages may be generated at the NPAC SMS that are intended for the recovering SOA or LSMS. These messages are queued on the NPAC SMS until the SOA or LSMS finishes the recovery process and sends an InpRecoveryComplete action to the NPAC SMS. Additionally, during the recovery process, the "3 by x" retry functionality continues on the NPAC SMS, but message sending is suspended to the SOA or LSMS, and the retry attempts counter is not decremented, as long as the SOA or LSMS is still in recovery mode. Therefore, a Subscription Version could stay in a "sending" status for a period of time longer than expected, since the retry logic will not transition the status to "partial failure" or "failed" as long as a Service Provider is in recovery mode.

While recovering subscription data, the NPAC SMS excludes Subscription Versions with a status of failed. The value in the Broadcast Timestamp field in each Subscription Version is used to determine whether or not a Subscription Version is included in the recovering LSMS's requested criteria.

The SOA or LSMS is capable of recovering data based on the association functions. The SOA recovers network data and notification data using the network data management association function (networkDataMgmt). The LSMS recovers network data and subscription data using the data download association function (dataDownload), and recovers notification data using the network data management association function (networkDataMgmt).

# 5.3.4.1 Local SMS Recovery

To recover, the Local SMS starts by setting the recoveryMode flag of the access control parameter. This flag signals the NPAC SMS to hold all data updates to this Local SMS. The Local SMS should then request the network and subscription data downloads and the notifications that occurred during downtime. Once this is complete, the Local SMS should issue the lnpRecoveryComplete action to turn off the recoveryMode flag. After the NPAC SMS responds to the lnpRecovery Complete action it will send to the LSMS any other messages that have occurred since the association was established.

# 5.3.4.2 SOA Recovery

To recover, the SOA starts by setting the recoveryMode flag of the access control parameter. This flag signals the NPAC SMS to hold all data updates to this SOA. The SOA should then request the network data downloads and notifications that occurred during downtime. Once this is complete, the SOA should issue the lnpRecoveryComplete action to turn off the recoveryMode flag. After the NPAC SMS responds to the lnpRecovery Complete action it will send to the SOA any other messages that have occurred since the association was established.

## 5.4 Congestion Handling

The following sections define NPAC SMS behavior when in congestion and the NPAC handling of Local SMS and SOA congestion. The recommendation for Congestion Control follows the "Flow Control" mechanism and is described in OSI Communication Reference Model (ISO/IEC 7498). The two types of flow control defined are:

- 1. Peer Flow Control
- 2. Inter-Layer Flow Control

Peer Flow Control can be used when two peer layers of the OSI Stack talk to each either. The most common form of Peer Flow Control is the sliding window protocol. This protocol is implemented by TCP. This is the flow control approach used by the NPAC SMS.

## 5.4.1 NPAC SMS Congestion

Once the number of incoming messages to be queued to the NPAC SMS is exceeded at the transport layer, TCP/IP, an indication will be sent to the sender from the transport layer, TCP/IP, that congestion is occurring. Upon clearing of the congestion situation, the transport layer, TCP/IP will indicate to the sender that congestion has been cleared. As the receiver, the NPAC SMS application will not be aware that it is congested. The NPAC SMS application will be continually processing the information being sent as quickly as possible. Only the sender will be aware that the NPAC SMS is congested due to the fact that it can not send any more information to the NPAC SMS via the transport layer, TCP/IP. Implementation of functionality to handle NPAC congestion situations is at the discretion of SOA and LSMS vendors.

# 5.4.2 NPAC Handling of Local SMS and SOA Congestion

The NPAC SMS application must be able to handle congestion when attempting to send out a message to a SOA or LSMS system. When receiving indications of congestion via the transport layer from a SOA or LSMS the NPAC SMS application stops dispatching messages for the SPID (primary or associated) and SOA or LSMS interface that returned congestion. Note: If a SOA system returns congestion it will not affect the LSMS for the same service provider and vise versa. When the NPAC SMS stops dispatching messages to a congested SOA or LSMS, the retry attempts and retry timer values and the behavior associated with them apply to the messages not dispatched. The NPAC will abort the SOA or LSMS association once the retry attempts are exhausted. Any unacknowledged messages at the NPAC SMS application layer will be handled as failures as they are when an association is aborted today, for example for security reasons.

Once the NPAC SMS gets an indication via the transport layer that a SOA or LSMS system that was previously congested is ready to receive information, the NPAC SMS resumes sending of messages to that system. Note that the NPAC SMS will use the sequence number for the message it sends first that was the sequence number on the message that was sent when congestion indication was received. This is done since the SOA or LSMS system did not receive this message. If the sequence number were incremented this would cause the SOA or LSMS to abort the association due to the sequence number value being larger than expected. SOA and LSMSs should use the same sequence number as well when communicating with the NPAC to prevent the NPAC from aborting the association due to the sequence number value being larger than expected.

# 6 GDMO Definitions

# 6.1 Overview

The GDMO interface definitions provided below support the SOA to NPAC SMS interface and the NPAC SMS to Local SMS interface. Included in this section of the interface specification are object name bindings, attribute, package, action, and notification definitions.

# 6.2 **Object Definitions**

1.0 LNP Audits Managed Object InpAudits MANAGED OBJECT CLASS DERIVED FROM "CCITT Rec. X.721 (1992) | ISO/IEC 10165-2 : 1992":top; CHARACTERIZED BY lnpAuditsPkg; REGISTERED AS {LNP-OIDS.lnp-objectClass 1}; lnpAuditsPkg PACKAGE BEHAVIOUR lnpAuditsDefinition, lnpAudi<u>tsBehavior;</u> ATTRIBUTES lnpAuditsName GET; ; InpAuditsDefinition BEHAVIOUR DEFINED AS ! The lnpAudits class is the managed object that is used as the container object for the subscriptionAudit objects on the NPAC SMS. This object has been created for scoping efficiency. !; InpAuditsBehavior BEHAVIOUR DEFINED AS ! NPAC SMS Managed Object for the SOA to NPAC SMS interface. The service provider SOA can M-GET any lnpAudits object on the NPAC SMS. (SOA Management Association Function). The Local SMS can not M-GET any lnpAudits object on the NPAC SMS. The lnpAuditsName attribute is read only and can not be changed via the Local SMS or SOA Interface once the object has been created. The value of lnpAuditsName will always be "lnpAudits". Only one of these objects will exist per agent and it will only be created at startup of the CMIP agent software on the NPAC SMS.

!;
2.0 LNP Local SMS Managed Object Class
<u>lnpLocalSMS MANAGED OBJECT CLASS</u> <u>DERIVED FROM "CCITT Rec. X.721 (1992)   ISO/IEC 10165-2 : 1992":top;</u> <u>CHARACTERIZED BY</u> <u>lnpLocalSMS-Pkg;</u>
<pre>REGISTERED AS {LNP-OIDS.lnp-objectClass 2};</pre>
InpLocalSMS-Pkg PACKAGE BEHAVIOUR InpLocalSMS-Definition, InpLocalSMS-Behavior; ATTRIBUTES InpLocal-SMS-Name GET; ;
InpLocalSMS-Definition BEHAVIOUR         DEFINED AS !
<u>lnpLocalSMS-Behavior BEHAVIOUR</u> <u>DEFINED AS !</u> Local SMS Managed Object.
The NPAC SMS can M-GET any lnpLocalSMS object (Data Download Association Function). The lnp-LocalSMS-Name attribute is read only and can not be changed via the Local SMS Interface once the object has been created. The value of lnpLocal-SMS-Name will always be a unique identifier for the Local SMS for the NPAC SMS to Local SMS Interface.
Only one of these objects will exist and it will only be created at startup of the CMIP agent software on the Local SMS. 
3.0 LNP Log Record for the Subscription Audit Local SMS Discrepancy Report
<pre>lnpLoqAudit-DiscrepancyRptRecord MANAGED OBJECT CLASS</pre>
DERIVED FROM "CCITT Rec. X.721 (1992)   ISO/IEC 10165-2 : 1992":eventLogRecord; CHARACTERIZED BY InpLogAudit-DiscrepancyRptPkg; REGISTERED AS {LNP-OIDS.lnp-objectClass 3};
InpLogAudit-DiscrepancyRptPkg PACKAGE BEHAVIOUR InpLogAudit-DiscrepancyRptDefinition, InpLogAudit-DiscrepancyRptBehavior; ATTRIBUTES

1.

	GDINO
auditDiscrepancyTn GET,	
auditDiscrepancyVersionId GET,	
auditDiscrepancyLSMS-SP-Id GET,	
auditDiscrepancyFailureReason GET,	
accessControl GET;	
;	
lnpLogAudit-DiscrepancyRptDefinition BEHAVIOUR	
DEFINED AS !	
The lnpLoqAudit-DiscrepancyRptRecord class is the managed	
subscriptionAudit-DiscrepancyRpt Notification.	
; <u>/</u>	
lesteraudit DisserversuDetDebenien DEUNVIOUD	
InpLogAudit-DiscrepancyRptBehavior BEHAVIOUR	
DEFINED AS !	
This log record can be used by any CME wanting to log the	
subscriptionAudit-DiscrepancyRpt Notification.	
!;	
4.0 LNP Log Record for the Subscription Audit Results	
InpLogAuditResultsRecord MANAGED OBJECT CLASS	
DERIVED FROM "CCITT Rec. X.721 (1992)   ISO/IEC 10165-2 :	
<u>1992":eventLogRecord;</u>	
CHARACTERIZED BY	
<u>lnpLogAuditResultsPkg;</u>	
<pre>REGISTERED AS {LNP-OIDS.lnp-objectClass 4};</pre>	
<u>lnpLogAuditResultsPkg_PACKAGE</u>	
BEHAVIOUR	
<u>lnpLoqAuditResultsDefinition</u>	
<pre>lnpLogAuditResultsBehavior;</pre>	
ATTRIBUTES	
auditResultStatus GET,	
auditResultFailed-SP-List GET,	
auditResultNumberDiscrepancies GET,	
auditResultCompletionTime GET,	
accessControl GET;	
<u> </u>	
<u>lnpLogAuditResultsDefinition BEHAVIOUR</u>	
DEFINED AS !	
The lnpLogAuditResultsRecord class is the managed object	
that is used to create log records for the	
subscriptionAuditResults Notification.	
<u>;</u>	
<u>lnpLogAuditResultsBehavior BEHAVIOUR</u>	
DEFINED AS !	
This log record can be used by any CME wanting to log the	
subscriptionAuditResults Notification.	
<u>!;</u>	
5.0 LNP Log Record for the Subscription Version Cancellation	
Acknowledge Request Notification	
InploaCancellationAcknowledgeBeguestBecord MANAGED OBJECT CLASS	

lnpLogCancellationAcknowledgeRequestRecord MANAGED OBJECT CLASS

	ODINO DCI
DERIVED FROM "CCITT Rec. X.721 (1992)   ISO/IEC 10165-2 :	
1992":eventLogRecord;	
CHARACTERIZED BY	
lnpLogCancellationAcknowledgeReguestPkg;	
REGISTERED AS {LNP-OIDS.lnp-objectClass 5};	
InpLogCancellationAcknowledgeRequestPkg PACKAGE	
BEHAVIOUR	
lnpLogCancellationAcknowledgeRequestDefinition,	
lnpLogCancellationAcknowledgeRequestBehavior;	
ATTRIBUTES	
SubscriptionTN_GET_	
SubscriptionTwessionId GET,	
accessControl GET;	
;	
lnpLogCancellationAcknowledgeRequestDefinition BEHAVIOUR	
DEFINED AS !	
The lnpLogCancellationAcknowledgeRequestRecord class is	+ h a
the managed object that is used to create log records for	the
subscriptionVersionCancellationAcknowledgeRequest	
Notification.	
<u> </u>	
lnpLogCancellationAcknowledgeRequestBehavior BEHAVIOUR	
DEFINED AS !	
This log record can be used by any CME wanting to log the	
subscriptionVersionCancellationAcknowledgeRequest	
Notification.	
· · /	
7.0 LNP Log Record for the Subscription Version New SP Create R	equest
Notification	09000
<pre>lnpLogNewSP-CreateRequestRecord MANAGED OBJECT CLASS</pre>	
DERIVED FROM "CCITT Rec. X.721 (1992)   ISO/IEC 10165-2 :	
1992":eventLogRecord;	
CHARACTERIZED BY	
lnpLoqNewSP-CreateRequestPkg;	
CONDITIONAL PACKAGES	
subscriptionTimerTypePkg PRESENT IF	
!present if the New SP SOA supports timer type!,	
subscriptionBusinessTypePkg PRESENT IF	
!present if the New SP SOA supports business type!;	
REGISTERED AS {LNP-OIDS.lnp-objectClass 7};	
InpLogNewSP-CreateRequestPkg PACKAGE	
BEHAVIOUR	
InpLogNewSP-CreateRequestDefinition,	
lnpLogNewSP-CreateRequestBehavior;	
ATTRIBUTES	
subscriptionTN GET,	
subscriptionVersionId GET,	
subscriptionOldSP GET,	
SubscriptionOldSP-DueDate GET,	
subscriptionOldSP-AuthorizationTimeStamp GET,	

	GDINO Deminitions
subscriptionStatusChangeCauseCode GET,	
accessControl GET;	
<u>/</u>	
lnpLogNewSP-CreateRequestDefinition BEHAVIOUR	
DEFINED AS !	
The lnpLogNewSP-CreateRequestRecord class is the managed	
object that is used to create log records for the	
subscriptionVersionNewSP-CreateRequest Notification.	
<u> </u>	
<u>lnpLogNewSP-CreateRequestBehavior_BEHAVIOUR</u>	
DEFINED AS !	
This log record can be used by any CME wanting to log the	
subscriptionVersionNewSP-CreateRequest Notification.	
<u>;</u>	
0.0 IND Ion Decend for the Subconintion Mansion Old CD Consum	Demust
8.0 LNP Log Record for the Subscription Version Old SP Concurr	<u>ence Request</u>
Notification	
<u>lnpLogOldSP-ConcurrenceRequestRecord MANAGED OBJECT CLASS</u>	
DERIVED FROM "CCITT Rec. X.721 (1992)   ISO/IEC 10165-2 :	
<u>1992":eventLogRecord;</u>	
CHARACTERIZED BY	
lnpLogOldSP-ConcurrenceRequestPkg;	
CONDITIONAL PACKAGES	
subscriptionTimerTypePkg PRESENT IF	
subscriptionBusinessTypePkg PRESENT IF	
<pre>!present if the Old SP SOA supports business type!;</pre>	
REGISTERED AS {LNP-OIDS.lnp-objectClass 8};	
<u>lnpLogOldSP-ConcurrenceRequestPkg_PACKAGE</u>	
BEHAVIOUR	
<u>lnpLogOldSP-ConcurrenceRequestDefinition</u>	
<pre>lnpLogOldSP-ConcurrenceRequestBehavior;</pre>	
ATTRIBUTES	
subscriptionTN GET,	
subscriptionVersionId GET,	
subscriptionNewCurrentSP GET,	
SubscriptionNewSP-DueDate GET,	
subscriptionNewSP-CreationTimeStamp GET,	
accessControl GET;	
<u>;</u>	
<u>lnpLogOldSP-ConcurrenceRequestDefinition BEHAVIOUR</u>	
DEFINED AS !	
The lnpLogOldSP-ConcurrenceRequestRecord class is the man	aged
object that is used to create log records for the	
subscriptionVersionOldSP-ConcurrenceRequest Notification.	
	·
<u>lnpLoqOldSP-ConcurrenceRequestBehavior BEHAVIOUR</u>	
DEFINED AS !	
This log record can be used by any CME wanting to log the	
subscriptionVersionOldSP-ConcurrenceRequest Notification.	

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<u>;</u>
9.0 LNP Log Record for the NPAC SMS Operational Information Notification
<pre>lnpLogOperational-InformationRecord MANAGED OBJECT CLASS</pre>
DERIVED FROM "CCITT Rec. X.721 (1992)   ISO/IEC 10165-2 :
1992":eventLogRecord;
CHARACTERIZED BY
<u>lnpLogOperational-InformationPkg;</u>
<pre>REGISTERED AS {LNP-OIDS.lnp-objectClass 9};</pre>
<pre>lnpLogOperational-InformationPkg PACKAGE</pre>
BEHAVIOUR
<pre>lnpLogOperational-InformationDefinition,</pre>
<pre>lnpLogOperational-InformationBehavior;</pre>
ATTRIBUTES
downTime GET,
npacContactNumber GET,
additionalDownTimeInformation GET,
accessControl GET;
i
Land a conservation of the formation of the time of the the terms of
<pre>lnpLogOperational-InformationDefinition BEHAVIOUR</pre>
DEFINED AS !
The lnpLogOperational-InformationRecord class is the managed object
that is used to create log records for the
InpNPAC-SMS-Operational-Information Notification.
<u> </u>
<pre>lnpLogOperational-InformationBehavior BEHAVIOUR</pre>
DEFINED AS !
This log record can be used by any CME wanting to log the
InpNPAC-SMS-Operational-Information Notification.
; <u>/</u>
10.0 LNP Log Record for the Subscription Version Status Attribute Value
Change Notification
<u>lnpLogStatusAttributeValueChangeRecord MANAGED OBJECT CLASS</u>
DERIVED FROM "CCITT Rec. X.721 (1992)   ISO/IEC 10165-2 :
1992":eventLogRecord;
CHARACTERIZED BY
lnpLogStatusAttributeValueChangePkg;
CONDITIONAL PACKAGES
subscriptionVersionAttributeValueChangeFailed-SP-ListPkg PRESENT IF
<pre>!the version broadcast failed!,</pre>
subscriptionStatusChangeCauseCodePkg PRESENT IF
!the version status is set to conflict by the old service
provider!;
<pre>REGISTERED AS {LNP-OIDS.lnp-objectClass 10};</pre>
InpLogStatusAttributeValueChangePkg PACKAGE
BEHAVIOUR
lnpLogStatusAttributeValueChangeBehavior;

ATTRIBUTES
subscriptionVersionAttributeValueChangeInfo GET,
accessControl GET;
InpLogStatusAttributeValueChangeDefinition BEHAVIOUR
DEFINED AS !
The lnpLogStatusAttributeValueChangeRecord class is the managed
object that is used to create log records for the
subscriptionVersionStatusAttributeValueChange Notification.
<u>!;</u>
lnpLogStatusAttributeValueChangeBehavior_BEHAVIOUR
DEFINED AS !
This log record can be used by any CME wanting to log the
subscriptionVersionStatusAttributeValueChange Notification.
<u></u> ;
11.0 LNP Network Managed Object Class
<u> </u>
lnpNetwork MANAGED OBJECT CLASS
DERIVED FROM "CCITT Rec. X.721 (1992)   ISO/IEC 10165-2 : 1992":top;
CHARACTERIZED BY
<u>lnpNetworkPkg;</u>
CONDITIONAL PACKAGES
lnpDownloadPkg PRESENT IF
!the object is instantiated on the NPAC SMS!;
<pre>REGISTERED AS {LNP-OIDS.lnp-objectClass 11};</pre>
lnpNetworkPkg PACKAGE
BEHAVIOUR
lnpNetworkDefinition,
<pre>lnpNetworkBehavior;</pre>
ATTRIBUTES
lnpNetworkName GET;
lnpNetworkDefinition BEHAVIOUR
DEFINED AS !
The lnpNetwork class is the managed object that is used as the
container object for the serviceProvNetwork objects.
This object has been created primarily for scoping efficiency.
The lnpDownloadPkg will only be used for lnpNetwork object
instantiated on the NPAC SMS (Data Download Association Function).
This package is used for initiating from the Local SMS or SOA
<pre>downloading of serviceProvNetwork, serviceProvNPA-NXX,</pre>
serviceProvNPA-NXX-X and serviceProvLRN object creation,
modification, or deletion to the Local SMS or SOA from
the NPAC SMS.
<u>!;</u>
<u>lnpNetworkBehavior BEHAVIOUR</u>
DEFINED AS !
Local SMS, SOA, and NPAC SMS Managed Object used for the Local SMS to
NPAC SMS and the SOA to NPAC SMS interfaces.
The Local SMS SOA and the NDAC SMS can M-CET any landersort
The Local SMS, SOA, and the NPAC SMS can M-GET any lnpNetwork

GDMO Definitions
object (Data Download Association Function). The lnpNetworkName
attribute is read only and can not be changed via the NPAC SMS
to Local SMS or SOA to NPAC SMS Interfaces once the object
has been created. The value of lnpNetworkName will always
be "lnpNetwork".
<u> </u>
Only one of these objects will exist and it will only be
<u>created at startup of the CMIP agent software on the NPAC SMS</u>
the Local SMS or SOA.
12.0 LNP NPAC SMS Managed Object Class
lnpNPAC-SMS MANAGED OBJECT CLASS
DERIVED FROM "CCITT Rec. X.721 (1992)   ISO/IEC 10165-2 : 1992":top;
CHARACTERIZED BY
lnpNPAC-SMS-Pkg,
<u>lnpRecoveryCompletePkg</u>
<u>lnpNotificationRecoveryPkg;</u>
REGISTERED AS {LNP-OIDS.lnp-objectClass 12};
<u>lnpNPAC-SMS-Pkg PACKAGE</u>
BEHAVIOUR
lnpNPAC-SMS-Definition,
lnpNPAC-SMS-Behavior;
ATTRIBUTES
lnpNPAC-SMS-Name GET;
NOTIFICATIONS
<pre>lnpNPAC-SMS-Operational-Information,</pre>
<u>subscriptionVersionNewNPA-NXX;</u>
<u> </u>
<u>lnpNPAC-SMS-Definition BEHAVIOUR</u>
<u>DEFINED AS !</u>
The lnpNPAC-SMS class is the managed object that is used as
the container object for all NPAC SMS objects in the NPAC SMS to
Local SMS Interface and the SOA to NPAC SMS interface.
<u>!;</u>
<u>lnpNPAC-SMS-Behavior BEHAVIOUR</u>
DEFINED AS !
NPAC SMS Managed Object for the SOA to NPAC SMS and the Local SMS
to NPAC SMS interface.
A Local SMS and SOA can M-GET any lnpNPAC-SMS object.
The lnpNPAC-SMS-Name attribute is read only and can not be
<u></u>
changed via eithet interface once the object has been cleated.
The lnpRecoveryComplete-Pkg is used to indicate the
recovery mode for the Local SMS or SOA is complete and to send all
updates made since the recovery mode began. (Data Download Functional
Group).
The lnpNotificationRecoveryPkg is used to recover notifications
in recovery mode by the Local SMS or SOA. (Data Download
<u>Functional Group).</u>

GDMO Definitio
Only one of these objects will exist and it will only be
created at startup of the CMIP agent software on the NPAC SMS.
Created at startup of the CMIF agent software on the NFAC SMS.
<u>The lnpNPAC-SMS-Operational-Information will be used to notify</u>
The subscriptionVersionNewNPA-NXX is used to support the Release
1.4 for number pooling.
;
13.0 LNP Service Providers Managed Object Class
InpServiceProvs MANAGED OBJECT CLASS
DERIVED FROM "CCITT Rec. X.721 (1992)   ISO/IEC 10165-2 : 1992":top;
CHARACTERIZED BY
lnpServiceProvsPkg;
REGISTERED AS {LNP-OIDS.lnp-objectClass 13};
ABGISTERED AS (LINE OFDS. THE OBJECTERSS 15);
<u>lnpServiceProvsPkg PACKAGE</u>
BEHAVIOUR
lnpServiceProvsDefinition,
<u>lnpServiceProvsBehavior;</u>
ATTRIBUTES
InpServiceProvsName GET;
<u>i</u>
lan Service Preve Definition REUNICUE
InpServiceProvsDefinition BEHAVIOUR
DEFINED AS !
The lnpServiceProvs class is the managed object that is
<u>used as the container object for the serviceProv</u>
for scoping efficiency.
<u>;</u>
lnpServiceProvsBehavior BEHAVIOUR
DEFINED AS !
NPAC SMS Managed Object used for the Local SMS to NPAC
SMS and SOA to NPAC SMS interfaces.
A Local SMS and service provider SOA can M-GET any
lnpServiceProvs object (Network Data Association Function).
The lnpServiceProvsName attribute is read only and can not
be changed via the Local SMS Interface once the object has
been created. The value of lnpServiceProvsName will
always be "lnpServiceProvs".
Only one of these objects will exist and it will only be created
at startup of the CMIP agent software on the NPAC SMS.
<u>;</u>
14.0 LNP Subscriptions Managed Object Class
14.0 IM Subscriptions Managed object crass
Instructions MANAGED OF THEM CLASS
InpSubscriptions MANAGED OBJECT CLASS
DERIVED FROM "CCITT Rec. X.721 (1992)   ISO/IEC 10165-2 : 1992":top;
CHARACTERIZED BY
lnpSubscriptionsPkg,
subscriptionVersionLocalSMS-CreatePkg;

GDMO Defin
CONDITIONAL PACKAGES
lnpDownloadPkg PRESENT IF
!the object is instantiated on the NPAC SMS!,
subscriptionVersionOldSP-CreatePkg PRESENT IF
!the object is instantiated on the NPAC SMS!,
subscriptionVersionNewSP-CreatePkg PRESENT IF
!the object is instantiated on the NPAC SMS!,
subscriptionVersionDisconnectPkg PRESENT IF
<pre>!the object is instantiated on the NPAC SMS!,</pre>
!the object is instantiated on the NPAC SMS!,
subscriptionVersionActivatePkg_PRESENT_IF
!the object is instantiated on the NPAC SMS!,
subscriptionVersionCancelPkg PRESENT IF
!the object is instantiated on the NPAC SMS!,
subscriptionVersionOldSP-CancellationPkg PRESENT IF
!the object is instantiated on the NPAC SMS!,
subscriptionVersionNewSP-CancellationPkg PRESENT IF
!the object is instantiated on the NPAC SMS!,
<pre>subscriptionVersionRemoveFromConflictPkg PRESENT IF</pre>
!the object is instantiated on the NPAC SMS!,
numberPoolBlock-CreatePkg PRESENT IF
<pre>!the object is instantiated on the NPAC SMS!;</pre>
<u>REGISTERED AS {LNP-OIDS.lnp-objectClass 14};</u>
lnpSubscriptionsPkg PACKAGE
BEHAVIOUR
lnpSubscriptionsDefinition,
lnpSubscriptionsBehavior;
ATTRIBUTES
lnpSubscriptionsName GET;
NOTIFICATIONS
subscriptionVersionLocalSMS-ActionResults;
<i>i</i>
<u>lnpSubscriptionsDefinition BEHAVIOUR</u>
DEFINED AS !
Local SMS and NPAC SMS Managed Object for the SOA to NPAC SMS
and the Local SMS to NPAC SMS interface.
The lnpSubscriptions class is the managed object that is used
as the container object for the subscription version objects
and numberPoolBlock objects on the NPAC SMS and the Local SMS.
Local SMS interfaces must be able to support scope/filtered
M-SETs and M-DELETEs with a TN range as the primary filter.
A blib and A blibilits with a in lange as the primary fifter.
17
languhagnintiongRobergion DEUNVIOUR
<u>lnpSubscriptionsBehavior BEHAVIOUR</u> DEFINED AS !
Local SMS and NPAC SMS Managed Object
The Local SMS (Data Download Association Function) and the service
provider SOA (SOA Management Association Function) can M-GET any
<u>lnpSubscriptions object. The lnpSubscriptionsName attribute</u>
is read only and can not be changed via the Local SMS Interface
once the object has been created. The value of

InpSubscriptionsName will always be "InpSubscriptions".

Only one of these objects will exist and it will only be created at startup of the CMIP agent software on the NPAC SMS or the Local SMS.

The lnpDownloadPkg will only be used for a lnpSubscriptions object instantiated on the NPAC SMS. This package is used for initiating downloading of subscriptionVersions and numberPoolBlock object creation, deletion, or modifications to the Local SMS (Data Download Association Function).

- The subscriptionVersionOldSP-CreatePkg will only be used for alnpSubscriptions object instantiated on the NPAC SMS. Thispackage is used for creation of subscription versions forporting TNs by the old service provider.
- The subscriptionVersionNewSP-CreatePkg will only be used for alnpSubscriptions object instantiated on the NPAC SMS. Thispackage is used for creation of subscription versions forporting TNs by the new service provider.
  - The subscriptionVersionDisconnectPkg will only be used for alnpSubscriptions object instantiated on the NPAC SMS. Thispackage is used for disconnection of a ported TN by the currentservice provider.
- The subscriptionVersionModifyPkg will only be used for a lnpSubscriptions object instantiated on the NPAC SMS. This package is used for modification of a ported TN by a service provider.
- The subscriptionVersionActivatePkg will only be used for a lnpSubscriptions object instantiated on the NPAC SMS. This package is used for activation of a ported TN by a new service provider.
- The subscriptionVersionCancelPkg will only be used for a lnpSubscriptions object instantiated on the NPAC SMS. This package is used for cancellation of a ported TN by a service provider.
- The subscriptionVersionOldSP-CancellationPkg will only beused for a lnpSubscriptions object instantiated on the NPAC SMS.This package is used for acknowledgment of subscription versionswith status values of cancel-pending. This action is used bythe old service provider SOA.
- The subscriptionVersionNewSP-CancellationPkg will only beused for a lnpSubscriptions object instantiated on the NPAC SMS.This package is used for acknowledgment of subscription versionswith status values of cancel-pending. This action is used bythe new service provider SOA.

The subscriptionVersionRemoveFromConflictPkg will only be used for a lnpSubscriptions object instantiated on the NPAC SMS. This package is used for setting the status of subscription versions with status values of conflict to pending. This action is used by

either the new or old service provider SOA.
The numberPoolBlock-CreatePkg will only be used for a
InpSubscriptions object instantiated on the NPAC SMS. This
package is used for creation of number pool blocks.
<u>!;</u>
15.0 LNP Service Provider Managed Object Class
serviceProv MANAGED OBJECT CLASS
DERIVED FROM serviceProvNetwork;
CHARACTERIZED BY
serviceProvPkg;
CONDITIONAL PACKAGES
serviceProvBillingAddressPkg PRESENT IF
!the service provider has billing address and contact
information!,
serviceProvSOA-AddressPkg PRESENT IF
!the service provider has SOA address and contact information!,
serviceProvLSMS-AddressPkg PRESENT IF
!the service provider has LSMS address and contact information!,
serviceProvWebAddressPkg PRESENT IF
<pre>!the service provider has Web address and contact information!,</pre>
serviceProvNetAddressPkg PRESENT IF
!the service provider has network and communication facilities
address and contact information!,
serviceProvConflictAddressPkg PRESENT IF
<u>!the service provider has conflict resolution interface</u>
address and contact information!,
serviceProvOperationsAddressPkg PRESENT IF
!the service provider has operations address and contact
information!,
serviceProvRepairCenterInfoPkg PRESENT IF
the service provider has security contact information!,
the service provider has user administration interface address
and contact information!;
REGISTERED AS {LNP-OIDS.lnp-objectClass 15};
<u>serviceProvPkg_PACKAGE</u>
BEHAVIOUR
serviceProvDefinition,
serviceProvBehavior;
ATTRIBUTES
npacCustomerAllowableFunctions GET,
serviceProvAddress GET-REPLACE,
serviceProvSysLinkInfo GET-REPLACE;
;
serviceProvDefinition BEHAVIOUR
DEFINED AS !
The serviceProv class is the managed object
used on the NPAC SMS to contain the data related to each
LNP service provider.

	SDINO Deminion
serviceProvBehavior BEHAVIOUR	
DEFINED AS !	
NPAC SMS Managed Object used for the Local SMS to NPAC	
SMS interface.	
A Local SMS and service provider SOA can M-GET their	
serviceProv object (Network Data Association Function).	
Attempts to read any unauthorized service provider informat	ion
will be rejected.	
All attributes in this object, except serviceProvID	
and npacCustomerAllowableFunctions can be M-SET by the Loca	
and SOA Interfaces once the object has been created on the	
If any of the contact data is modified, ALL contact informa	
be sent. Any missing contact data is presumed to be a delet	
the data currently exists on the NPAC SMS. Note: this behav	<u>iour is</u>
not following current CMIP standards.	
!;	
16.0 LNP Service Provider LRN Managed Object Class	
SERVICEPROVLRN MANAGED OBJECT CLASS	
DERIVED FROM "CCITT Rec. X.721 (1992)   ISO/IEC 10165-2 : 1992"	<u>:top;</u>
CHARACTERIZED BY	
REGISTERED AS {LNP-OIDS.lnp-objectClass 16};	
<u>serviceProvLRN-Pkg PACKAGE</u> BEHAVIOUR	
ServiceProvLRN-Definition,	
serviceProvLRN-Behavior;	
ATTRIBUTES	
serviceProvLRN-Value GET,	
ServiceProvDownloadReason GET,	
serviceProvLRN-CreationTimeStamp GET;	
;	
serviceProvLRN-Definition BEHAVIOUR	
DEFINED AS !	
The serviceProvLRN class is the managed object	
used to identify Service Provider LRN values open for	
porting.	
<u>!;</u>	
serviceProvLRN-Behavior BEHAVIOUR	
DEFINED AS !	
Local SMS and NPAC SMS Managed Object used for the Local SM	<u>S to</u>
NPAC SMS and SOA to NPAC SMS interfaces.	
All attributes are read only. Once created, the serviceProv	
object can only be deleted via the Local SMS or SOA interfa	<u>ce.</u>
The serviceProvLRN-ID is specified by the NPAC SMS. The	
serviceProvLRN-CreationTimeStamp will reflect the current s	<u>ystem</u>
date and time when the object is created.	
NPAC SMS can M-GET, M-DELETE and M-CREATE any	

GDMO Defin	ition
serviceProvLRN object on the Local SMS or SOA (Network Data	
Functional Unit). The Local SMS or SOA only creates local	
copies of serviceProvLRN objects after receiving the	
objects from an NPAC SMS create request, reading them from	
the NPAC SMS for initial instantiation, or from a download request.	
<u>A Local SMS or SOA can M-GET any serviceProvLRN object (Network Dat</u> Functional Unit).	<u>:a</u>
<u> </u>	
The Local SMS or SOA can M-DELETE and M-CREATE any	
serviceProvLRN object on the NPAC SMS for the	
service provider id specified in the access control	
(Network Data Functional Unit). Attempts to take	
actions on unauthorized service provider objects will be	
rejected.	
The creation or deletion of a serviceProvLRN object will be	
distributed to all Local SMSs and SOAs.	
The serviceProvLRN-Value attributes on the NPAC SMS can	
not be modified by the Local SMS or SOA. The service	
provider will have to add a new object and delete the	
old one to modify the data.	
<u>···/</u>	
17.0 LNP Service Provider Network Managed Object Class	
serviceProvNetwork MANAGED OBJECT CLASS	
DERIVED FROM "CCITT Rec. X.721 (1992)   ISO/IEC 10165-2 : 1992":top;	
CHARACTERIZED BY	
ServiceProvNetworkPkg;	
<pre>REGISTERED AS {LNP-OIDS.lnp-objectClass 17};</pre>	
serviceProvNetworkPkg PACKAGE	
BEHAVIOUR	
serviceProvNetworkDefinition,	
ServiceProvNetworkBehavior;	
ATTRIBUTES	
ServiceProvName_GET-REPLACE;	
<i>i</i>	
serviceProvNetworkDefinition BEHAVIOUR	
DEFINED AS !	
The serviceProvNetwork class is the managed object	
used to contain the network data for a service provider.	
serviceProvNetworkBehavior BEHAVIOUR	
DEFINED AS !	
Local SMS, SOA, and NPAC SMS Managed Object used for the	
Local SMS to NPAC SMS interface and the SOA to NPAC SMS interface.	
Service providers and the NPAC SMS can M-GET, M-CREATE, and M-SET	
any serviceProvNetwork object (Network Data Association Function).	
The serviceProvId attribute is read only and can not be	-
changed via the NPAC SMS to Local SMS Interface or SOA	
Changed via the MEAC SMS to LOCAT SMS INTELLACE OF SOA	

GDMO Definition
to NPAC SMS interface once the object has been created on
the Local SMS, SOA or NPAC SMS. The serviceProvName can be
M-SET via the NPAC SMS to Local SMS Interface or the SOA to
NPAC SMS interface by the NPAC SMS. The Local SMS and SOA
only create or modify local copies of serviceProvNetwork objects
after receiving the objects from an NPAC SMS M-CREATE or M-SET
request or reading them from the NPAC SMS for initial instantiation.
<u>;</u>
18.0 LNP Service Provider NPA-NXX Managed Object Class
serviceProvNPA-NXX MANAGED OBJECT CLASS
DERIVED FROM "CCITT Rec. X.721 (1992)   ISO/IEC 10165-2 : 1992":top;
CHARACTERIZED BY
serviceProvNPA-NXX-Pkg;
<pre>REGISTERED AS {LNP-OIDS.lnp-objectClass 18};</pre>
serviceProvNPA-NXX-Pkg PACKAGE
BEHAVIOUR
serviceProvNPA-NXX-Definition,
serviceProvNPA-NXX-Behavior;
ATTRIBUTES
ServiceProvNPA-NXX-ID_GET,
serviceProvNPA-NXX-Value GET,
ServiceProvNPA-NXX-EffectiveTimeStamp_GET,
serviceProvDownloadReason GET,
serviceProvNPA-NXX-CreationTimeStamp GET;
serviceProvNPA-NXX-Definition BEHAVIOUR         DEFINED AS !         The serviceProvNPA-NXX class is the managed object         used to identify Service Provider NPA-NXX values open for
porting.
<u>;</u>
serviceProvNPA-NXX-Behavior BEHAVIOUR
DEFINED AS !
Local SMS, SOA, and NPAC SMS Managed Object used for the Local
SMS to NPAC SMS interface and the SOA to NPAC SMS interface.
All attributes are read only. Once created, the serviceProvNPA-NXX
serviceProvNPA-NXX-ID is specified by the NPAC SMS. The
serviceProvNPA-NXX-CreationTimeStamp will be set to the current
system date and time when the object is created.
NPAC SMS can M-GET, M-DELETE and M-CREATE any serviceProvNPA-NXX
object on the Local SMS or SOA (Network Data Association Function).
The Local SMS or SOA only creates local copies of
serviceProvNPA-NXX objects after receiving the objects from
an NPAC SMS create, after reading them from the NPAC SMS for
initial instantiation, or from a download.
Service providers can M-GET any serviceProvNPA-NXX object.
A Local SMS or SOA can M-DELETE and M-CREATE any
serviceProvNPA-NXX object on the NPAC SMS for their service

GDMO Definit
provider id specified in the access control
(Network Data Association Function). Attempts to
take actions on unauthorized service provider objects will
be rejected.
<u>be rejected.</u>
<u>A Local SMS or SOA can not modify any of the attributes.</u>
To cause an NPA-NXX split to occur the service provider must
<u></u>
<u>!;</u>
19.0 LNP Subscription Audit Managed Object
subscriptionAudit MANAGED OBJECT CLASS
DERIVED FROM "CCITT Rec. X.721 (1992)   ISO/IEC 10165-2 : 1992":top;
CHARACTERIZED BY
subscriptionAuditPkg;
CONDITIONAL PACKAGES
<u>subscriptionAuditTN-ActivationRangePkg PRESENT IF</u>
!the audit is being done on an activation data range!;
REGISTERED AS {LNP-OIDS.lnp-objectClass 19};
subscriptionAuditPkg PACKAGE
BEHAVIOUR
subscriptionAuditDefinition,
<u>subscriptionAuditBehavior;</u>
ATTRIBUTES
subscriptionAuditStatus GET,
subscriptionAuditAttributeList GET,
subscriptionAuditTN-Range GET,
subscriptionAuditServiceProvIdRange GET,
subscriptionAuditNumberOfTNs GET,
subscriptionAuditNumberOfTNsComplete GET,
<pre>subscriptionAuditRequestingSP_GET;</pre>
NOTIFICATIONS
subscriptionAuditResults,
<u>subscriptionAudit-DiscrepancyRpt</u>
<u>"CCITT Rec. X.721 (1992)   ISO/IEC 10165-2 :</u>
<u>1992":attributeValueChange</u>
accessControlParameter,
"CCITT Rec. X.721 (1992)   ISO/IEC 10165-2 : 1992":objectCreation
accessControlParameter,
accessControlParameter;
<u> </u>
subscriptionAuditDefinition BEHAVIOUR
DEFINED AS !
The subscriptionAudit class is the managed object that
represents a subscription audit request. This object is
only instantiated on the NPAC SMS.
<u>!;</u>
subscriptionAuditBehavior BEHAVIOUR
DEFINED AS !
When the subscriptionAuditStatus changes an attribute value
when the subscriptionAuditStatus changes an attribute Value

change will be emitted to the audit requester.

	All attributes must be specified upon create with the exception
	<u>of the subscriptionAuditTN-ActivationRange, if an audit is</u>
	not being performed on an activation date range. If the
	subscriptionAuditAttributeList is not specified then a full
	audit is assumed. If the subscriptionAuditTN-ActivationRange is
	specified then an audit of all TNs in the range specified in
	subscriptionAuditTN-Range will be audited. The serviceAuditId
	is determined by the NPAC SMS.
	The subscriptionAuditRequestingSP is the id of the service provider
	who requested the audit.
	The subcarintionAuditTN_Dange is the range of TNA to be sudited
	The subscriptionAuditTN-Range is the range of TNs to be audited.
	If only a single TN is to be audited, the ending TN station should be
	set to the value of the starting TN station.
	The NPAC SMS will be required to set the number of TNs that
	will be audited in the subscriptionAuditNumberOfTNs attribute
	based on the NPAC SMS audit request criteria.
	The SOA or NPAC SMS can M-CREATE, M-GET subscriptionAudit
	managed objects on the NPAC SMS (SOA Management Function).
	When a subscriptionAudit object is created on the NPAC SMS the
	NPAC SMS will begin the audit for the service provider specified
	or all service providers. The SOA can only M-GET subscriptionAudit
	that they created.
	The SOA will be required to set the requesting SP with
	their service provider id so that the origination of the audit
	request can be tracked and notifications can be sent to the
	requesting SOA.
	When this object is created and deleted, object creation and
	deletion notifications will be sent to the requester. Object
	deletion indicates completion of an audit. The audit results
	notification will be sent before the object is deleted by the
	entity performing the audit indicating how many discrepancies the
	audit found and reported during execution.
	addie found and reported during encoution.
	If discrepancies are found during the audit, audit discrepancy
	notifications will be sent to the requester at the time they
	are found. When audit discrepancy notifications are sent by
	the NPAC SMS to the requesting SOA, create, modify or delete
	requests will be sent to the Local SMS by the NPAC SMS to correct the
	TEQUESTS WIIT DE SENT LO LINE LOCAI SMB DY LINE NYAC SMB LO COIFECL LINE
1	
	discrepancies found.
	discrepancies found. For audits involving TNs that are within a pooled block or
	discrepancies found. For audits involving TNs that are within a pooled block or subscription versions with an LNPType of 'pool', the NPAC SMS
	discrepancies found. For audits involving TNs that are within a pooled block or subscription versions with an LNPType of 'pool', the NPAC SMS will query subscription version objects from the non-EDR Local
	discrepancies found. For audits involving TNs that are within a pooled block or subscription versions with an LNPType of 'pool', the NPAC SMS will query subscription version objects from the non-EDR Local SMS and it will query the number pool block object and subscription
	discrepancies found. For audits involving TNs that are within a pooled block or subscription versions with an LNPType of 'pool', the NPAC SMS will query subscription version objects from the non-EDR Local
	discrepancies found. For audits involving TNs that are within a pooled block or subscription versions with an LNPType of 'pool', the NPAC SMS will query subscription version objects from the non-EDR Local SMS and it will query the number pool block object and subscription
	discrepancies found. For audits involving TNs that are within a pooled block or subscription versions with an LNPType of 'pool', the NPAC SMS will query subscription version objects from the non-EDR Local SMS and it will query the number pool block object and subscription version objects from the EDR Local SMS. The EDR Local SMS should not return any subscription versions with an LNPType of 'pool'.
	discrepancies found. For audits involving TNs that are within a pooled block or subscription versions with an LNPType of 'pool', the NPAC SMS will query subscription version objects from the non-EDR Local SMS and it will query the number pool block object and subscription version objects from the EDR Local SMS. The EDR Local SMS should not return any subscription versions with an LNPType of 'pool'. The NPAC SMS will report to the SOA the discrepancies with
	discrepancies found. For audits involving TNs that are within a pooled block or subscription versions with an LNPType of 'pool', the NPAC SMS will query subscription version objects from the non-EDR Local SMS and it will query the number pool block object and subscription version objects from the EDR Local SMS. The EDR Local SMS should not return any subscription versions with an LNPType of 'pool'. The NPAC SMS will report to the SOA the discrepancies with subscription version identifiers. Thus, if a numberPoolBlock object
	discrepancies found. For audits involving TNs that are within a pooled block or subscription versions with an LNPType of 'pool', the NPAC SMS will query subscription version objects from the non-EDR Local SMS and it will query the number pool block object and subscription version objects from the EDR Local SMS. The EDR Local SMS should not return any subscription versions with an LNPType of 'pool'. The NPAC SMS will report to the SOA the discrepancies with subscription version identifiers. Thus, if a numberPoolBlock object is in error, the discrepancy will be reported as all TNs within the
	discrepancies found. For audits involving TNs that are within a pooled block or subscription versions with an LNPType of 'pool', the NPAC SMS will query subscription version objects from the non-EDR Local SMS and it will query the number pool block object and subscription version objects from the EDR Local SMS. The EDR Local SMS should not return any subscription versions with an LNPType of 'pool'. The NPAC SMS will report to the SOA the discrepancies with subscription version identifiers. Thus, if a numberPoolBlock object

GDMO Deminic
as usual.
If a subscription version or a number pool block is in a state
of 'sending' at the time of the audit, the NPAC SMS will not perform
comparisons and corrections to the requested objects.
Deletion of an audit object cancels an audit request.
The purge of audits are based on the tunable "Audit Log_
Retention Period" which defaults to 90 days.
!;
·/
20. 0 IND subscription Managed Object Class
20.0 LNP subscription Version Managed Object Class
and a sub-state to Mana CED, OD THOM, OF A CO
subscriptionVersion MANAGED OBJECT CLASS
DERIVED FROM "CCITT Rec. X.721 (1992)   ISO/IEC 10165-2 : 1992":top;
CHARACTERIZED BY
<u>subscriptionVersionPkg;</u>
CONDITIONAL PACKAGES
<u>subscriptionWSMSC-DataPkg PRESENT IF</u>
<pre>!the service provider is supporting WSMSC information!;</pre>
<pre>REGISTERED AS {LNP-OIDS.lnp-objectClass 20};</pre>
subscriptionVersionPkg PACKAGE
BEHAVIOUR
subscriptionVersionDefinition,
subscriptionVersionBehavior;
ATTRIBUTES
SubscriptionTN GET,
subscriptionLRN GET-REPLACE,
subscriptionNewCurrentSP GET-REPLACE,
subscriptionActivationTimeStamp GET-REPLACE,
subscriptionLIDB-DPC GET-REPLACE,
subscriptionLIDB-SSN GET-REPLACE,
subscriptionCNAM-DPC GET-REPLACE,
subscriptionISVM-DPC GET-REPLACE,
subscriptionISVM-SSN GET-REPLACE,
subscriptionEndUserLocationValue GET-REPLACE,
subscriptionEndUserLocationType GET-REPLACE,
subscriptionBillingId GET-REPLACE,
SubscriptionLNPType GET-REPLACE,
subscriptionDownloadReason GET-REPLACE;
<i>i</i>
subscriptionVersionDefinition BEHAVIOUR
DEFINED AS !
The subscriptionVersion class is the managed object that
represents a subscription version on the Local SMS.
<u>!;</u>
subscriptionVersionBehavior BEHAVIOUR
DEFINED AS !

DEFINED AS !

L(	ocal SMS Managed Object used for the NPAC SMS to Local SMS
I1	nterface.
N	PAC SMS can M-GET (Query Association Function), M-SET, M-DELETE
	nd M-CREATE (Data Download Association Function) any
	ubscriptionVersion object on the Local SMS (Data Download
	ssociation Function). The Local SMS only creates local copies
0	f subscriptionVersion objects after receiving the objects from an
NI	PAC SMS create request or reading them from the NPAC SMS for
	nitial instantiation.
m1	
	he subscriptionVersionId is assigned upon creation by the
<u>N</u>	PAC SMS and is read only.
T]	he subscriptionTN, subscriptionLRN and associated routing
	nformation, are specified by the new service provider SOA upon
	reation of a new subscription version.
C.	reaction of a new subscription version.
-	
	he subscriptionActivationTimeStamp is set by the NPAC SMS as the
	<u>urrent date and time when the subscriptionVersion activation</u>
re	equest is received from the new service provider.
	<u>.</u>
۳۱	he Local SMS will receive the subscriptionWSMSC-DataPkg_
	ttributes if the 'NPAC New Functionality Support' indicator
i:	s set for the 'LSMS WSMSC DPC SSN Data' in their service
p:	rovider profile on the NPAC SMS.
-	-
W	hen the subscription version is downloaded to the locals, the
	ubscriptionDownloadReason is set to one of new, delete, modified,
01	r audit-discrepancy. This field is not validated in audits.
[W]	hen the subscription version disconnect is broadcast,
±1	he subscriptionVersionDonorSP-CustomerDisconnectDate is
	ent to the donor SOA informing the service provider of the actual
C1	<u>ustomer disconnect date.</u>
T]	<u>he Local SMS can not modify any of the subscription version</u>
da	ata locally unless changes were downloaded via a download
	equest.
m1	the lower watches able to any other second as well to the other
	he Local SMS must be able to support a scoped request (M-GET,
<u>M</u> -	-SET, M-DELETE) with a filter for equality on the subscriptionLNPType
a	ttribute, and equality and ordering on the subscriptionTN from the
N	PAC SMS.
!;	
. /	
01 0	ND NDNO Cubecuinties Mension Mensors & Object Object
<u> 21.0 Ll</u>	NP NPAC Subscription Version Managed Object Class
<u>subscript</u> :	ionVersionNPAC MANAGED OBJECT CLASS
DERIVI	ED FROM subscriptionVersion;
	CTERIZED BY
	ubscriptionVersionNPAC-Pkg;
REGIS	<pre>IERED AS {LNP-OIDS.lnp-objectClass 21};</pre>
<u>subscript</u> :	ionVersionNPAC-Pkg PACKAGE
BEHAV	
	ubscriptionVersionNPAC-Definition,
S1	ubscriptionVersionNPAC-Behavior;

ATTRIBUTES
subscriptionVersionStatus GET-REPLACE,
subscriptionOldSP GET-REPLACE,
subscriptionNewSP-DueDate GET-REPLACE,
subscriptionNewSP-CreationTimeStamp GET-REPLACE,
subscriptionOldSP-DueDate GET-REPLACE,
subscriptionOldSP-Authorization GET-REPLACE,
<pre>subscriptionStatusChangeCauseCode GET-REPLACE,</pre>
subscriptionOldSP-AuthorizationTimeStamp GET-REPLACE,
subscriptionBroadcastTimeStamp GET-REPLACE,
subscriptionConflictTimeStamp GET-REPLACE,
subscriptionCustomerDisconnectDate GET-REPLACE,
subscriptionEffectiveReleaseDate GET-REPLACE,
subscriptionDisconnectCompleteTimeStamp GET-REPLACE,
subscriptionCancellationTimeStamp GET-REPLACE,
subscriptionCreationTimeStamp GET-REPLACE,
subscriptionFailed-SP-List GET-REPLACE,
<pre>subscriptionModifiedTimeStamp GET-REPLACE,</pre>
<pre>subscriptionOldTimeStamp GET-REPLACE,</pre>
<pre>subscriptionOldSP-CancellationTimeStamp GET-REPLACE,</pre>
<pre>subscriptionNewSP-CancellationTimeStamp GET-REPLACE,</pre>
subscriptionOldSP-ConflictResolutionTimeStamp GET-REPLACE,
subscriptionNewSP-ConflictResolutionTimeStamp GET-REPLACE,
subscriptionPortingToOriginal-SPSwitch GET-REPLACE,
subscriptionPreCancellationStatus GET-REPLACE,
subscriptionTimerType GET,
<u>NOTIFICATIONS</u>
subscriptionVersionOldSP-ConcurrenceRequest,
subscriptionVersionNewSP-CreateRequest,
subscriptionVersionOldSPFinalConcurrenceWindowExpiration,
subscriptionVersionNewNPA-NXX,
subscriptionVersionCancellationAcknowledgeRequest,
subscriptionVersionDonorSP-CustomerDisconnectDate,
<u>subscriptionVersionStatusAttributeValueChange</u>
<u> </u>
1992":attributeValueChange
accessControlParameter,
"CCITT Rec. X.721 (1992)   ISO/IEC 10165-2 : 1992":objectCreation
accessControlParameter;
<u>i</u>
subscriptionVersionNPAC-Definition BEHAVIOUR
DEFINED AS !
The subscriptionVersionNPAC class is the managed object
that represents a subscription version on the NPAC SMS.
<u> </u>
subscriptionVersionNPAC-Behavior BEHAVIOUR
DEFINED AS !
NPAC SMS Managed Object for the SOA to NPAC SMS and the Local SMS
to NPAC SMS interface.
A Local SMS can M-GET any subscriptionVersionNPAC objects
from the NPAC SMS via the Local SMS Interface (Data Download
Association Function).
<u>A Service Provider SOA can M-GET any subscriptionVersionNPAC</u>

objects from the NPAC SMS via the SOA Interface (SOA Management
Association Function).
If a Service Provider SOA or Local SMS does a scoped filtered
M-GET for subscription versions, this request will only be
successful if the number of records to be returned is less
than or equal to the NPAC SMS tunable parameter,
"Max Subscriber Query", in the Service Data table.
When the status of an object is changed to "cancel-pending",
subscriptionPreCancellationStatus is first set to the current status.
The subscriptionCreationTimeStamp is set to the current system
time when the object is created.
When the subscription version is modified for any reason, the
subscriptionModifiedTimeStamp is updated with the current system time.
<u>subscriptionModiffedTimeStamp is updated with the cuffent system time.</u>
When the subscription version is broadcast to Local SMSs via
the NPAC to Local SMS interface, the subscriptionBroadcastTimeStamp
is updated with the current system time.
When the subscription version has its version status set to old,
the subscriptionOldTimeStamp is updated with the current system
time.
When the subscription version has its version status set to cancel,
the subscriptionCancellationTimeStamp is updated with the
<u>current system time.</u>
When the subscription version has its version status set to
<u>current system time.</u>
<u>Gurrene bybeen erne.</u>
When the subscription version is being disconnected and the first
successful response is received from the Local SMS to the
subscription version disconnect request, the
subscriptionDisconnectCompleteTimeStamp is updated with the current
date and time.
When the subscription version status is set to disconnect pending
<u>the subscriptionEffectiveReleaseDate is set to the date the</u>
disconnect should be broadcast.
When the subscription remains is a second mondian
When the subscription version in a cancel-pending
state is acknowledged by an old service provider SOA, the subscriptionOldSP-CancellationTimeStamp is updated with the
current system time.
<u>current system time.</u>
When the subscription version in a cancel-pending
state is acknowledged by a new service provider SOA, the
subscriptionNewSP-CancellationTimeStamp is updated with the
current system time.
When the subscription version in a conflict state is removed
from conflict by the old service provider SOA, the
subscriptionOldSP-ConflictResolutionTimeStamp is updated with the
<u>current system time.</u>

	When the subscription version in a conflict state is removed
	from conflict by the new service provider SOA, the subscriptionNewSP-ConflictResolutionTimeStamp is updated with
	the current system time.
	When the sub-sub-tion months have been to get successful to all
	When the subscription version broadcast is not successful to all
	service providers, the subscriptionFailed-SP-List is populated with a
	list of the failed service providers.
	When the subscription version is created, the subscriptionTimerType
	is set according to the type of timer the old and new service
	providers support.
	When the subscription version is created, the
	subscriptionBusinessType is set according to the business days and
	hours selection of the old and new service providers.
	The Service Provider SOA can M-GET and M-SET subscriptionVersionNPAC
	objects via the SOA to NPAC SMS interface (SOA Management Association
	Function). Rules for M-SET are described below.
	For M-GET requests, the filter will support all attributes for
	a specified ported TN.
	Any service provider SOA can view any subscription version for any
	active ported TN (SOA Management Association Function).
	Subscription versions are created on the NPAC SMS via actions over
	the SOA to NPAC SMS interface to the lnpSubscriptions object (SOA
	Management Association Function). New service provider SOAs must use
	the subscriptionVersionNewSP-Create action and old service
	provider SOAs must use the subscriptionVersionOldSP-Create action.
	<u>Creates can be performed provided there is only one</u>
	currently active subscription version for the TN.
	subscriptionPortingToOriginal-SPSwitch can only be specified as
	TRUE for a TN that is currently ported and is being ported back
	to the original service provider. If the value of
	subscriptionPortingToOriginal-SPSwitch is TRUE, the LRN and GTT data
	should not be specified. This data is not specified because
	when the activate occurs for the subscription version, the Local
	SMS will receive requests to delete the old subscription version
	routing data in their networks and they will not receive any
	new network routing data for the subscription. Concurrence from the
	old service provider is required.
	If the port of the subscription version is an intra-service
	provider port, the new service provider SOA can use the
	subscriptionVersionNewSP-Create action specifying the old service
	provider equal to the new service provider. In this case, the
	old service provider create action is not required and processing
	proceeds after a valid pending version is created in the same
	manner as it does for inter-service provider porting.
	The new service provider SOA must provide the
	subscriptionWSMSC-DataPkg attributes if the 'NPAC New Functionality
	Support' indicator is set for the 'SOA WSMSC DPC SSN Data'
I	Supple Indiated to bet for the bold monob big bold buda

Once a version has been created that passes validation, the
subscriptionVersionNPAC object subscriptionVersionStatus will
be set to pending and an object creation notification will be sent
to both old and new service provider SOAs. If a version
previously existed, attribute value change notifications will be
sent to both old and new service provider SOAs.

If there is a pending version that does not have concurrence during the "Service Provider Concurrence Window" specified in the Service Data table, a subscriptionVersionConcurrenceRequest notification will be

sent to the service provider SOA that has not responded. The subscriptionVersionStatus will be set to cancel if the new service provider SOA has not responded or to conflict if the old service provider SOA has not responded after the "Service Provider Final Concurrence Window". A status attribute value change will be sent to both service providers.

The Service Provider SOA can M-SET or use an M-ACTION to modify attributes associated with pending or conflict subscription versions (SOA Management Association Function).

Attempts to modify an active, sending, failed, partial failure, canceled, cancel-pending, disconnect-pending or old version using an M-SET will result in an access denied error.

Modification of an active subscription can be done only by the current/new service provider SOA using the subscriptionVersionModify action.

Old service provider SOAs can only modify the following attributes:

subscriptionOldSP-DueDate subscriptionOldSP-Authorization subscriptionStatusChangeCauseCode

New service provider SOAs can only modify the following attributes:

<u>subscriptionLRN</u>
<u>subscriptionNewSP-DueDate</u>
subscriptionCLASS-DPC
subscriptionCLASS-SSN
subscriptionLIDB-DPC
subscriptionLIDB-SSN
subscriptionCNAM-DPC
subscriptionCNAM-SSN
subscriptionISVM-DPC
subscriptionISVM-SSN
subscriptionWSMSC-DPC
subscriptionWSMSC-SSN
subscriptionEndUserLocationValue
subscriptionEndUserLocationType
subscriptionBillingId
Upon subscription version creation

ion, the subscriptionOldSP-DueDate and subscriptionNewSP-DueDate must match.

	Validation will be done for both old and new service
	provider data that is specified on an M-SET. If validation fails,
	no changes will be made and a processing failure will be returned.
	If the version passes validation, the version status will be
	set to pending. An error message will be returned to the service
	provider if the status is not pending when they attempt to change
	the version status to cancel-pending.
	Once a pending version has been created, the new service provider
	<u>can activate the subscription version if the new</u>
	service provider due date has been reached and the NPA-NXX effective
	date has been reached.
	Once the version is activated, the version status is set to
	sending, the broadcast time stamp is updated, and creates
	are sent to the Local SMSs.
	ale sent to the local SMSS.
	If the create requests are successful for all Local SMSs, the
	version status will be marked as active and the previously active
	subscription version will have its version status set to old.
	If create requests fail for a subscription version after the
	retry periods have expired, the version status will be set
	to failed or partial failure based on whether the download failed
	in all or some of the Local SMSs respectively.
	in all of some of the local shos respectively.
	Drier to the subscription version becoming active a status version
	Prior to the subscription version becoming active, a status version
	attribute value change will be sent to both old
	and new service providers when the subscriptionVersionStatus is
	modified. If the version status is failed or partial failure then
	<u>a list of failed service providers is provided in the</u>
	subscriptionVersionStatus notification.
	A subscription version can be put into conflict by either the NPAC
	SMS or by the old service provider explicitly setting the
	subscriptionOldSP-Authorization off.
	Subscriptionordsr-Authorization off.
	If the old service provider explicitly sets the
	subscriptionOldSP-Authorization off, the
	<u>subscriptionStatusChangeCauseCode must be given.</u>
	The old service provider can only put a subscription version into
	conflict once and only by explicitly setting the
	subscriptionOldSP-Authorization off.
	A service provider should acknowledge the cancel pending
	state within a tunable time frame specified on the NPAC SMS
	with a cancel acknowledgement action.
	with a cancer acknowledgement action.
	If a new service provider SOA fails to acknowledge the cancel pending
	state, a subscriptionVersionCancellationAcknowledgeRequest is
	sent to the service provider SOA. If they do not respond to this
	acknowledgement in a tunable time frame specified on the NPAC SMS,
	the version status will be set to conflict. If the old service
	fails to acknowledge the cancel pending state, the subscription
	version status will be set to cancel.
	VELOTON BEACAD WITT DE DEC LO CANCEL.
1	

Attribute value change notifications will be sent to both service
provider SOAs when the following attribute values change for
<u>a pending, cancel-pending, or conflict subscription</u> versions:
subscriptionNewSP-DueDate
subscriptionNewSP-CreationTimeStamp
subscriptionOldSP-DueDate
subscriptionOldSP-Authorization
subscriptionOldSP-AuthorizationTimeStamp
subscriptionStatusChangeCauseCode
<u>subscriptionVersionStatus</u>
Object creation notifications will be sent to both old and
new service provider SOAs when a subscriptionVersionNPAC associated
with their Service Provider id is created. Object deletion
notifications will not be used. Objects will only be deleted by the
NPAC SMS as a result of housekeeping processing.
When a subscription version discompath is breadeast
When a subscription version disconnect is broadcast, the subscriptionVersionDonorSP-CustomerDisconnectDate
is sent to the donor SOA informing the service provider of the
actual customer disconnect date.
accuai cubcomer aibconnece auce.
The subscriptionTimerType is only returned on SOA queries to service
providers that support the timer information and is only sent on
object creation notifications to service providers that support it.
The subscriptionBusinessType is only returned on SOA queries to
service providers that support business days/hours and is only
sent on object creation notifications to service providers that
support business days/hours.
For number pooling, the number pool block has corresponding
subscription versions with LNP type equal to 'pool'. The number
pool block status represents the status of the number pool block
and all subscription versions. The status of each subscription
version contains the results of the broadcast of that subscription
version to the non-EDR Local SMS and the result of the number pool
block broadcast to the EDR Local SMSs. If a subscription version
with LNP type equal to 'pool' fails a broadcast, the failed service provider list on both that subscription version and
the number pool block will be set to the service provider(s)
who failed. If an EDR Local SMS fails the number pool block
broadcast, each subscription version with LNP type equal to 'pool'
within the number pool block TN range will contain that service
provider in the subscriptionFailed-SP-List.
Creation, modification or deletion of a subscription version
with subscriptionLNPType equal to 'pool' by the SOA is not
allowed. All updates must be performed on the number pool block
object. The NPAC SMS will update and broadcast the
subscription versions with LNP type equal to 'pool' that
are within the TN range specified by the number pool block object.
<u>!;</u>
22.0 LNP Log Record for the Subscription Version Donor Service Provider
Customer Disconnect Date Notification

lnpLoqDonorSP-CustomerDisconnectDateRecord MANAGED OBJECT CLASS
DERIVED FROM "CCITT Rec. X.721 (1992)   ISO/IEC 10165-2 :
<u>1992":eventLogRecord;</u>
CHARACTERIZED BY
lnpLogDonorSP-CustomerDisconnectDatePkg;
REGISTERED AS {LNP-OIDS.lnp-objectClass 22};
lnpLoqDonorSP-CustomerDisconnectDatePkg PACKAGE
BEHAVIOUR
lnpLogDonorSP-CustomerDisconnectDateDefinition,
lnpLogDonorSP-CustomerDisconnectDateBehavior;
ATTRIBUTES
subscriptionTN GET,
subscriptionVersionId GET,
subscriptionCustomerDisconnectDate GET,
subscriptionEffectiveReleaseDate GET,
accessControl GET;
<i>i</i>
<u>lnpLogDonorSP-CustomerDisconnectDateDefinition BEHAVIOUR</u>
DEFINED AS !
The lnpLogDonorSP-CustomerDisconnectDateRecord class is the managed
object that is used to create log records for the
<pre>subscriptionVersionDonorSP-CustomerDisconnectDate Notification</pre>
lnpLogDonorSP-CustomerDisconnectDateBehavior BEHAVIOUR
DEFINED AS !
This log record can be used by any CME wanting to log the
subscriptionVersionDonorSP-CustomerDisconnectDate Notification.
<u>;</u>
23.0 LNP Log Record for the Subscription Version Local SMS Action Results
Notification
<pre>lnpLogLocalSMS-ActionResultsRecord MANAGED OBJECT CLASS</pre>
DERIVED FROM "CCITT Rec. X.721 (1992)   ISO/IEC 10165-2 :
<u>1992":eventLogRecord;</u>
CHARACTERIZED BY
<u>lnpLogLocalSMS-ActionResultsPkg;</u>
REGISTERED AS {LNP-OIDS.lnp-objectClass 23};
lanterierslewe ActionDecultoDir DACKACE
<u>lnpLogLocalSMS-ActionResultsPkg_PACKAGE</u> BEHAVIOUR
InploqLocalSMS-ActionResultsBehavior;
ATTRIBUTES
ATTRIBUTES
actionResultsStatus GET,
failedTN-List GET,
resultsCompletionTime GET,
accessControl GET;
i
<pre>lnpLoqLocalSMS-ActionResultsDefinition BEHAVIOUR</pre>
DEFINED AS !
The lnpLogLocalSMS-ActionResultsRecord class is the managed

	DIMO Definitions
object that is used to create log records for the	
subscriptionVersionLocalSMS-ActionResults Notification.	
!;	
<pre>lnpLogLocalSMS-ActionResultsBehavior BEHAVIOUR</pre>	
DEFINED AS !	
This log record can be used by any CME wanting to log the	
subscriptionVersionLocalSMS-ActionResults Notification.	
!;	
	<u></u>
24.0 LNP Log Record for the Subscription Version New NPA-NXX Noti	<u>ilcation</u>
lnplogNewNPA-NXXRecord MANAGED OBJECT CLASS	
DERIVED FROM "CCITT Rec. X.721 (1992)   ISO/IEC 10165-2 :	
1992":eventLogRecord;	
CHARACTERIZED BY	
lnpLogNewNPA-NXXPkg;	
REGISTERED AS {LNP-OIDS.lnp-objectClass 24};	
<u>lnpLogNewNPA-NXXPkg PACKAGE</u>	
BEHAVIOUR	
lnpLogNewNPA-NXXDefinition,	
lnpLogNewNPA-NXXBehavior;	
ATTRIBUTES	
serviceProvNPA-NXX-ID GET,	
ServiceProvNPA-NXX-Value GET,	
serviceProvID_GET,	
accessControl GET;	
<i>i</i>	
lnpLogNewNPA-NXXDefinition BEHAVIOUR	
DEFINED AS !	
The lnpLoqNewNPA-NXX class is the managed	
object that is used to create log records for the	
subscriptionVersionNewNPA-NXX Notification.	
!;	
lnpLogNewNPA-NXXBehavior BEHAVIOUR	
DEFINED AS !	
This log record can be used by any CME wanting to log the	
subscriptionVersionNewNPA-NXX Notification.	
25 0 TND Counties Develop Dilter NDD NWY Menered Object Class	
25.0 LNP Service Provider Filter NPA-NXX Managed Object Class	
lsmsFilterNPA-NXX MANAGED OBJECT CLASS	
DERIVED FROM "CCITT Rec. X.721 (1992)   ISO/IEC 10165-2 : 1992":	top;
CHARACTERIZED BY	
lsmsFilterNPA-NXX-Pkg;	
REGISTERED AS {LNP-OIDS.lnp-objectClass 25};	
lementilternung NYV Dire DACKACE	
<u>lsmsFilterNPA-NXX-Pkg PACKAGE</u>	
BEHAVIOUR	
lsmsFilterNPA-NXX-Definition,	
lsmsFilterNPA-NXX-Behavior;	
ATTRIBUTES	
lsmsFilterNPA-NXX-ID GET,	

ISHISFIILEINPA-NAA-Value GEI,
<u> </u>
lsmsFilterNPA-NXX-Definition BEHAVIOUR
DEFINED AS !
The lsmsFilterNPA-NXX class is the managed object
used to identify the NPA-NXX values for which a service provider
does not want to be informed of subscription version broadcasts,
network downloads, or SOA notifications.
<u> </u>
lsmsFilterNPA-NXX-Behavior BEHAVIOUR
DEFINED AS !
NPAC SMS Managed Object used for the Local SMS to NPAC SMS interface
and the NPAC SMS to SOA interface.
and the wine sho to son interface.
All other but a word only once exacted the level the work way
All attributes are read only. Once created, the lsmsFilterNPA-NXX
object can be deleted via the Local SMS or SOA interface. The
lsmsFilterNPA-NXX-ID is specified by the NPAC SMS.
The Local SMS or SOA can M-DELETE, M-CREATE and M-GET the
lsmsFilterNPA-NXX objects on the NPAC SMS. (LSMS Network Data
Association Function).
MSSOCIACION Function,.
<u>!;</u>
26.0 LNP Log Record for the Subscription Version Final Concurrence
Timer Expiration
<pre>lnpLogOldSPFinalConcurrenceWindowExpirationRecord MANAGED OBJECT CLASS</pre>
DERIVED FROM "CCITT Rec. X.721 (1992)   ISO/IEC 10165-2 :
1992":eventLogRecord;
CHARACTERIZED BY
<pre>lnpLogOldSPFinalConcurrenceWindowExpirationPkg;</pre>
CONDITIONAL PACKAGES
subscriptionTimerTypePkg PRESENT IF
!present if the Old SP SOA supports timer type!,
subscriptionBusinessTypePkg PRESENT IF
!present if the Old SP SOA supports business type!;
REGISTERED AS {LNP-OIDS.lnp-objectClass 26};
<pre>lnpLogOldSPFinalConcurrenceWindowExpirationPkg PACKAGE</pre>
BEHAVIOUR
<pre>lnpLogOldSPFinalConcurrenceWindowExpirationDefinition,</pre>
<pre>lnpLogOldSPFinalConcurrenceWindowExpirationBehavior;</pre>
ATTRIBUTES
subscriptionTN GET,
SubscriptionVersionId GET,
accessControl GET;
<i>i</i>
<pre>lnpLogOldSPFinalConcurrenceWindowExpirationDefinition BEHAVIOUR</pre>
<u>DEFINED AS !</u>
The lnpLogOldSPFinalConcurrenceWindowExpirationRecord class is
the managed object that is used to create log records for the
subscriptionVersionOldSPFinalConcurrenceWindowExpiration
Notification.
<u> </u>

lsmsFilterNPA-NXX-Value GET;

lnpLogOldSPFinalConcurrenceWindowExpirationBehavior BEHAVIOUR
DEFINED AS !
This log record can be used by any CME wanting to log the
subscriptionVersionOldSPFinalConcurrenceWindowExpiration
Notification.
<u>!;</u>
27.0 LNP SOA Managed Object Class
Inpsoa managed object class
DERIVED FROM "CCITT Rec. X.721 (1992)   ISO/IEC 10165-2 : 1992":top;
CHARACTERIZED BY
lnpSOA-Pkg;
REGISTERED AS {LNP-OIDS.lnp-objectClass 27};
InpSOA-Pkg PACKAGE
BEHAVIOUR
<u>lnpSOA-Definition</u> ,
lnpSOA-Behavior;
ATTRIBUTES
<u>lnpSOA-Name GET;</u>
<i>i</i>
<u>lnpSOA-Definition BEHAVIOUR</u>
DEFINED AS !
The lnpSOA class is the managed object that is used as the
container object for all SOA data in the SOA to NPAC SMS
Interface.
<u>;</u>
Innega Departies DEMANIQUE
InpSOA-Behavior BEHAVIOUR
DEFINED AS !
SOA Managed Object.
The NPAC SMS can M-GET any lnpSOA object (Data Download
Association Function).
The lnp-SOA-Name attribute is read only and can not
be changed via the SOA Interface once the object has
been created. The value of lnpSOA-Name will always be
a unique identifier for the SOA for the SOA to NPAC
Interface.
Only one of these objects will exist and it will only be
created at startup of the CMIP agent software on the SOA.
<u>!;</u>
28.0 LNP Log Record for the Number Pool Block Status Attribute Value
Change Notification
<u>lnpLogNumberPoolBlockStatusAttributeValueChangeRecord MANAGED OBJECT CLASS</u>
<u>DERIVED FROM "CCITT Rec. X.721 (1992)   ISO/IEC 10165-2 :</u>
DERIVED FROM "CCITT Rec. X.721 (1992)   ISO/IEC 10165-2 : 1992":eventLogRecord;
1992":eventLogRecord;
1992":eventLogRecord; CHARACTERIZED BY
<u>1992":eventLogRecord;</u> <u>CHARACTERIZED BY</u> <u>lnpLogNumberPoolBlockStatusAttributeValueChangePkg;</u>
1992":eventLogRecord; CHARACTERIZED BY

GDMO Dennio
<pre>!the number pool block broadcast failed!;</pre>
REGISTERED AS {LNP-OIDS.lnp-objectClass 28};
<u>InpLoqNumberPoolBlockStatusAttributeValueChangePkg_PACKAGE</u>
BEHAVIOUR
<pre>lnpLogNumberPoolBlockStatusAttributeValueChangeBehavior;</pre>
ATTRIBUTES
subscriptionVersionAttributeValueChangeInfo GET,
accessControl GET;
<i>i</i>
<u>lnpLogNumberPoolBlockStatusAttributeValueChangeDefinition BEHAVIOUR</u>
DEFINED AS !
The lnpLogNumberPoolBlockStatusAttributeValueChangeRecord class is
the managed object that is used to create log records for the
numberPoolBlockStatusAttributeValueChange Notification.
<u> </u>
<u>lnpLogNumberPoolBlockStatusAttributeValueChangeBehavior BEHAVIOUR</u>
DEFINED AS !
This log record can be used by any CME wanting to log the
numberPoolBlockStatusAttributeValueChange Notification.
<u>!;</u>
29.0 Number Pool Block Data Managed Object Class
numberPoolBlock MANAGED OBJECT CLASS
DERIVED FROM "CCITT Rec. X.721 (1992)   ISO/IEC 10165-2 : 1992":top;
CHARACTERIZED BY
numberPoolBlock-Pkg;
CONDITIONAL PACKAGES
numberPoolBlockWSMSC-DataPkg PRESENT IF
<pre>!the service provider is supporting WSMSC information!;</pre>
REGISTERED AS {LNP-OIDS.lnp-objectClass 29};
numberPoolBlock-Pkg PACKAGE
BEHAVIOUR
numberPoolBlock-Definition,
numberPoolBlock-Behavior;
ATTRIBUTES
numberPoolBlockId GET,
numberPoolBlockNPA-NXX-X GET,
numberPoolBlockHolderSPID GET,
numberPoolBlockActivationTimeStamp GET,
numberPoolBlockLRN GET-REPLACE,
numberPoolBlockCLASS-DPC GET-REPLACE,
numberPoolBlockCLASS-SSN GET-REPLACE,
numberPoolBlockLIDB-DPC GET-REPLACE,
numberPoolBlockLIDB-SSN GET-REPLACE,
numberPoolBlockCNAM-DPC GET-REPLACE,
numberPoolBlockCNAM-SSN GET-REPLACE,
numberPoolBlockISVM-DPC GET-REPLACE,
numberPoolBlockISVM-SSN GET-REPLACE,
numberPoolBlockDownloadReason GET;
<u>i</u>

	GDMO Demnitions
numberP	oolBlock-Definition BEHAVIOUR
	INED AS !
	The numberPoolBlock class is the managed object
	used to identify number pool block information as stored on the LSMS.
!;	
numberP	<u>oolBlock-Behavior BEHAVIOUR</u>
DEF	INED AS !
	Local SMS and NPAC SMS Managed Object used for the Local SMS to
	NPAC SMS interface.
	The NPAC Customer LSMS EDR Indicator in the service provider profile
	on the NPAC SMS indicates which type of object will be broadcasted to
	each LSMS. If the LSMS supports the number pool block object,
	no subscription version objects should exist on the LSMS with the
	LNP type equal to 'pool'.
	The number pool block object represents the default routing
	information for 1000 TNs. If a subscription version exists on the
	LSMS for a TN within the number pool block range, the subscription
	routing information should be used. Otherwise, if no subscription
	version exists for a TN within a number pool block range, the number
	pool block routing information should be used.
	The object can be created on the LSMS via the NPAC SMS to LSMS
	interface.
	Incertace.
—	The NEAC CMS con M CET (Overry Accession Evention) M CREATE M
	The NPAC SMS can M-GET (Query Association Function), M-CREATE, M-
DELETE,	
	and M-SET (Data Download Association Function) any numberPoolBlock
	object on the Local SMS. The Local SMS only creates local copies of
	the numberPoolBlock objects after receiving the objects from a NPAC
	SMS create request or reading them from the NPAC SMS for initial
	<u>instantiation.</u>
	The numberPoolBlockId is assigned upon creation by the NPAC SMS and
	is read only.
	The numberPoolBlockHolderSPID must be the same as the service provider
	ID of the service provider who sent in the request and the service
	provider ID of the serviceProvNPA-NXX-X object for the specified
	NPA-NXX-X.
	NFA-NAX-A.
	The numberPoolBlockActivationTimeStamp is set by the NPAC SMS as the
	current date and time when the create request is received.
	The Local SMS will receive the numberPoolBlockWSMSC-DataPkg
	attributes if the 'NPAC New Functionality Support' indicator
	is set for the 'LSMS WSMSC DPC SSN Data' in their service
	provider profile on the NPAC SMS.
	When the number pool block is downloaded to the LSMS, the
	numberPoolBlockDownloadReason is set to one of new, delete, modified
	or audit discrepancy. This field is not validated in audits.
	or addre droeropancy, into treta to not varidated in addres.
	The Iceal CMC can not modify one of the number world block
	The Local SMS can not modify any of the number pool block
	data locally unless changes were downloaded via a download
	request.

The Local SMS must support ordering on the numberPoolBlockNPA-NXX-X
attribute in a scoped and filtered request for mass updates.
<u>!;</u>
30.0 Number Pool Block NPAC Data Managed Object Class
numberPoolBlockNPAC MANAGED OBJECT CLASS
DERIVED FROM numberPoolBlock;
CHARACTERIZED BY
numberPoolBlockNPAC-Pkg;
<pre>REGISTERED AS {LNP-OIDS.lnp-objectClass 30};</pre>
numberPoolBlockNPAC-Pkg PACKAGE
BEHAVIOUR
numberPoolBlockNPAC-Definition,
numberPoolBlockNPAC-Behavior;
ATTRIBUTES
numberPoolBlockBroadcastTimeStamp GET,
numberPoolBlockCreationTimeStamp GET,
numberPoolBlockDisconnectCompleteTimeStamp GET,
numberPoolBlockModifiedTimeStamp GET,
numberPoolBlockSOA-Origination GET-REPLACE,
numberPoolBlockStatus GET,
numberPoolBlockFailed-SP-List GET;
NOTIFICATIONS
numberPoolBlockStatusAttributeValueChange,
"CCITT Rec. X.721 (1992)   ISO/IEC 10165-2 :
1992":attributeValueChange
accessControlParameter,
"CCITT Rec. X.721 (1992)   ISO/IEC 10165-2 : 1992":objectCreation
accessControlParameter;
<i>i</i>
numberPoolBlockNPAC-Definition BEHAVIOUR
DEFINED AS !
The numberPoolBlock class is the managed object
used to identify number pool block NPAC information.
<u> </u>
number Deel Dleek NDAC Deberrier DEUAULOUD
numberPoolBlockNPAC-Behavior BEHAVIOUR
DEFINED AS !
SOA SMS and NPAC SMS Managed Object used for the SOA SMS to
NPAC SMS interface.
The numberPoolBlock object is used to represent a block of 1000 TN
values. A service provider LSMS either supports the number pool block
representation of the TNs or individual subscription versions with
LNPType value of 'pool'. The NPAC Customer LSMS EDR Indicator in the
objects will be broadcasted to each LSMS.
<u>objects will be bioadcasted to each long.</u>
An object creation attempt will be rejected by the NPAC SMS if
any subscription versions exist with a status of pending.
conflict, cancel-pending or failed ("pending-like") for a TN implied
by the NPA-NXX-X value and an active subscription version object does

	Once created, the numberPoolBlock object can only be deleted
	via the NPAC SMS.
	- The numberPoolBlockCreationTimeStamp will be set to the
	current date and time when the object is created by the NPAC
	SMS.
	If the SOA sends the numberPoolBlock-Create M-ACTION to create a
	number pool block object, the numberPoolBlockSOA-Origination
	will be set to true when the object is created by the NPAC SMS.
	Otherwise, the value will be set to false.
	The numberPoolBlockStatus is set at creation time by the NPAC SMS to a value of 'sending'. Other values include: active, failed, partial failure and old.
	The numberPoolBlockBroadcastTimeStamp is set to the date and time
	<u>of the start of the last broadcast to the LSMSs for the number</u>
	pool block.
	The numberPoolBlockDisconnectCompleteTimeStamp is set to the date and
	time once the first successful response is received to a
	delete broadcast to the LSMSs for the number pool block or
	corresponding subscription versions with LNP type equal to 'pool'.
	The numberPoolBlockModifiedTimeStamp is set to the date and time of
<u>the</u>	
	last modification to the number pool block object.
	The numberPoolBlockFailed-SP-List is set when a failure occurs
	in sending to the LSMSs. It contains the list of EDR and non-EDR
	service provider IDs who failed to successfully respond to the
	broadcasted data.
	bioadcastea data.
	Service providers can M-GET any numberPoolBlockNPAC object
	from the LSMS and SOA.
	TE the ool concerns the number Declark shirts it are M composed and
	If the SOA supports the numberPoolBlock object, it can M-ACTION and
	M-SET any numberPoolBlockNPAC object on the NPAC SMS for their own
	service provider id (SOA Management Association Function). The NPAC
	SMS will reject any attempts to take actions on other service
	<u>provider objects (soa-not-authorized) or attempts to M-DELETE</u>
	the objects (accessDenied).
	When the SOA or NPAC SMS creates the numberPoolBlockNPAC, the status
<u>is</u>	
	set to "sending". The NPAC SMS creates the corresponding subscription
	versions that represent the block with a status of "sending" and LNP
	type equal to 'pool'. The NPAC SMS broadcasts to the LSMSs either the
	numberPoolBlock object or subscriptionVersion objects according to
	their service provider NPAC Customer LSMS EDR Indicator on the NPAC
SMS.	÷
	The object creation notification will be sent to the SOA once the
	number pool block object has been created on the NPAC SMS,
	if the SOA-origination flag is true, and contain the following
	attributes:

<u>numberPoolBlockId</u>
numberPoolBlockNPA-NXX-X
<u>numberPoolBlockHolderSPID</u>
<u>numberPoolBlockSOA-Origination</u>
<u>numberPoolBlockCreationTimeStamp</u>
<u>numberPoolBlockStatus</u>
numberPoolBlockLRN
numberPoolBlockCLASS-DPC
numberPoolBlockCLASS-SSN
numberPoolBlockLIDB-DPC
numberPoolBlockLIDB-SSN
numberPoolBlockCNAM-DPC
numberPoolBlockCNAM-SSN
numberPoolBlockISVM-DPC
numberPoolBlockISVM-SSN
numberPoolBlockWSMSC-DPC (OPTIONAL)
numberPoolBlockWSMSC-SSN (OPTIONAL)
The SOA can only M-SET a single number pool block instance. The
M-SET can specify the numberPoolBlockNPA-NXX-X in a scoped and
filtered request or direct the request at the specific
numberPoolBlock object.
If the NPAC SMS or SOA sends a valid M-SET for the number pool block
object, the NPAC SMS will also set the data on the corresponding
number pool block modifications to the EDR LSMSs and the subscription
versions to the Non-EDR LSMSs. The non-EDR Local SMS will receive a
scope level-1 request with the filter specifying the TN-Range and LNP
type equal to 'pool'.
type equal to 'pool'.
type equal to 'pool'. The attribute value change notification will be sent out to the SOA,
type equal to 'pool'. The attribute value change notification will be sent out to the SOA, if the SOA-origination flag is true, when any of the following
type equal to 'pool'. The attribute value change notification will be sent out to the SOA,
type equal to 'pool'.The attribute value change notification will be sent out to the SOA,if the SOA-origination flag is true, when any of the followingattributes change:
type equal to 'pool'.         The attribute value change notification will be sent out to the SOA,         if the SOA-origination flag is true, when any of the following         attributes change:         numberPoolBlockSOA-Origination
type equal to 'pool'.         The attribute value change notification will be sent out to the SOA,         if the SOA-origination flag is true, when any of the following         attributes change:         numberPoolBlockSOA-Origination         numberPoolBlockLRN
type equal to 'pool'.         The attribute value change notification will be sent out to the SOA,         if the SOA-origination flag is true, when any of the following         attributes change:         numberPoolBlockSOA-Origination         numberPoolBlockLRN         numberPoolBlockCLASS-DPC
type equal to 'pool'.         The attribute value change notification will be sent out to the SOA,         if the SOA-origination flag is true, when any of the following         attributes change:         numberPoolBlockSOA-Origination         numberPoolBlockLRN         numberPoolBlockCLASS-DPC         numberPoolBlockCLASS-SSN
type equal to 'pool'.         The attribute value change notification will be sent out to the SOA,         if the SOA-origination flag is true, when any of the following         attributes change:         numberPoolBlockSOA-Origination         numberPoolBlockLRN         numberPoolBlockCLASS-DPC         numberPoolBlockLIDB-DPC
type equal to 'pool'.         The attribute value change notification will be sent out to the SOA,         if the SOA-origination flag is true, when any of the following         attributes change:         numberPoolBlockSOA-Origination         numberPoolBlockLRN         numberPoolBlockCLASS-DPC         numberPoolBlockCLASS-SSN         numberPoolBlockLIDB-DPC         numberPoolBlockLIDB-SSN
type equal to 'pool'.         The attribute value change notification will be sent out to the SOA, if the SOA-origination flag is true, when any of the following attributes change:         numberPoolBlockSOA-Origination         numberPoolBlockLRN         numberPoolBlockCLASS-DPC         numberPoolBlockLIDB-DPC         numberPoolBlockLIDB-SSN         numberPoolBlockCLASS-SN
type equal to 'pool'.         The attribute value change notification will be sent out to the SOA, if the SOA-origination flag is true, when any of the following attributes change:         numberPoolBlockSOA-Origination         numberPoolBlockLRN         numberPoolBlockCLASS-DPC         numberPoolBlockCLASS-SSN         numberPoolBlockLIDB-DPC         numberPoolBlockLIDB-SSN         numberPoolBlockCNAM-DPC         numberPoolBlockCNAM-SSN
type equal to 'pool'.         The attribute value change notification will be sent out to the SOA,         if the SOA-origination flag is true, when any of the following         attributes change:         numberPoolBlockSOA-Origination         numberPoolBlockLRN         numberPoolBlockCLASS-DPC         numberPoolBlockLIDB-DPC         numberPoolBlockLIDB-DPC         numberPoolBlockCLASSN         numberPoolBlockLIDB-SSN         numberPoolBlockCNAM-DPC         numberPoolBlockCNAM-DPC
type equal to 'pool'.         The attribute value change notification will be sent out to the SOA,         if the SOA-origination flag is true, when any of the following         attributes change:         numberPoolBlockSOA-Origination         numberPoolBlockLRN         numberPoolBlockCLASS-DPC         numberPoolBlockLIDB-DPC         numberPoolBlockLIDB-SSN         numberPoolBlockCNAM-DPC         numberPoolBlockCNAM-SSN         numberPoolBlockLISVM-DPC         numberPoolBlockLSVM-SSN
type equal to 'pool'.         The attribute value change notification will be sent out to the SOA,         if the SOA-origination flag is true, when any of the following         attributes change:         numberPoolBlockSOA-Origination         numberPoolBlockLASS-OPC         numberPoolBlockLASS-SSN         numberPoolBlockLIDB-DPC         numberPoolBlockLIDB-SSN         numberPoolBlockCNAM-DPC         numberPoolBlockLISVM-DPC         numberPoolBlockLISVM-DPC         numberPoolBlockSISVM-DPC         numberPoolBlockSISVM-DPC         numberPoolBlockSISVM-SSN         numberPoolBlockSISVM-SSN         numberPoolBlockSISVM-SSN
type equal to 'pool'.         The attribute value change notification will be sent out to the SOA,         if the SOA-origination flag is true, when any of the following         attributes change:         numberPoolBlockSOA-Origination         numberPoolBlockLRN         numberPoolBlockCLASS-DPC         numberPoolBlockLIDB-DPC         numberPoolBlockLIDB-SSN         numberPoolBlockCNAM-DPC         numberPoolBlockCNAM-SSN         numberPoolBlockLISVM-DPC         numberPoolBlockLSVM-SSN
type equal to 'pool'.         The attribute value change notification will be sent out to the SOA, if the SOA-origination flag is true, when any of the following attributes change:         numberPoolBlockSOA-Origination         numberPoolBlockSOA-Origination         numberPoolBlockSOA-Origination         numberPoolBlockSOA-Origination         numberPoolBlockLRN         numberPoolBlockLASS-DPC         numberPoolBlockLASS-SSN         numberPoolBlockLIDB-DPC         numberPoolBlockLIDB-DPC         numberPoolBlockCNAM-DPC         numberPoolBlockLSVM-DPC         numberPoolBlockISVM-SSN         numberPoolBlockISVM-SSN         numberPoolBlockSSNSC-DPC (OPTIONAL)         numberPoolBlockWSMSC-SSN (OPTIONAL)
type equal to 'pool'.         The attribute value change notification will be sent out to the SOA, if the SOA-origination flag is true, when any of the following attributes change:         numberPoolBlockSOA-Origination         numberPoolBlockLRN         numberPoolBlockCLASS-DPC         numberPoolBlockLIDB-DPC         numberPoolBlockLIDB-DPC         numberPoolBlockCNAM-DPC         numberPoolBlockLIDB-SN         numberPoolBlockLIDB-SN         numberPoolBlockLIDB-SN         numberPoolBlockLSVM-DPC         numberPoolBlockLSVM-SSN         numberPoolBlockLSVM-SSN         numberPoolBlockLSVM-SSN         numberPoolBlockSVM-SSN         numberPoolBlockSVM-SSN         numberPoolBlockSVM-SSN         numberPoolBlockSVM-SSN         numberPoolBlockSVM-SSN         numberPoolBlockSVM-SSN         numberPoolBlockSVM-SSN         numberPoolBlockWSMSC-DPC (OPTIONAL)         numberPoolBlockWSMSC-SSN (OPTIONAL)         The attribute value change will not be sent when the SOA-Origination
type equal to 'pool'.         The attribute value change notification will be sent out to the SOA, if the SOA-origination flag is true, when any of the following attributes change:         numberPoolBlockSOA-Origination         numberPoolBlockSOA-Origination         numberPoolBlockSOA-Origination         numberPoolBlockSOA-Origination         numberPoolBlockLRN         numberPoolBlockLASS-DPC         numberPoolBlockLASS-SSN         numberPoolBlockLIDB-DPC         numberPoolBlockLIDB-DPC         numberPoolBlockCNAM-DPC         numberPoolBlockLSVM-DPC         numberPoolBlockISVM-SSN         numberPoolBlockISVM-SSN         numberPoolBlockSSNSC-DPC (OPTIONAL)         numberPoolBlockWSMSC-SSN (OPTIONAL)
<pre>type equal to 'pool'. The attribute value change notification will be sent out to the SOA, if the SOA-origination flag is true, when any of the following attributes change: numberPoolBlockSOA-Origination numberPoolBlockLASS-DPC numberPoolBlockCLASS-SSN numberPoolBlockLIDB-DPC numberPoolBlockLIDB-DPC numberPoolBlockCNAM-DPC numberPoolBlockCNAM-SSN numberPoolBlockISVM-DPC numberPoolBlockISVM-DPC numberPoolBlockSSNC-SSN (OPTIONAL) The attribute value change will not be sent when the SOA-Origination flag is set to false.</pre>
type equal to 'pool'.         The attribute value change notification will be sent out to the SOA, if the SOA-origination flag is true, when any of the following attributes change:         numberPoolBlockSOA-Origination         numberPoolBlockLRN         numberPoolBlockCLASS-DPC         numberPoolBlockLIDB-DPC         numberPoolBlockLIDB-DPC         numberPoolBlockCNAM-DPC         numberPoolBlockLIDB-SN         numberPoolBlockLIDB-SN         numberPoolBlockLIDB-SN         numberPoolBlockLSVM-DPC         numberPoolBlockLSVM-SSN         numberPoolBlockLSVM-SSN         numberPoolBlockLSVM-SSN         numberPoolBlockSVM-SSN         numberPoolBlockSVM-SSN         numberPoolBlockSVM-SSN         numberPoolBlockSVM-SSN         numberPoolBlockSVM-SSN         numberPoolBlockSVM-SSN         numberPoolBlockSVM-SSN         numberPoolBlockWSMSC-DPC (OPTIONAL)         numberPoolBlockWSMSC-SSN (OPTIONAL)         The attribute value change will not be sent when the SOA-Origination
<pre>type equal to 'pool'. The attribute value change notification will be sent out to the SOA, if the SOA-origination flag is true, when any of the following attributes change: numberPoolBlockSOA-Origination numberPoolBlockLASS-DPC numberPoolBlockCLASS-SSN numberPoolBlockLIDB-DPC numberPoolBlockLIDB-DPC numberPoolBlockCNAM-DPC numberPoolBlockCNAM-SSN numberPoolBlockISVM-DPC numberPoolBlockISVM-DPC numberPoolBlockSSNC-SSN (OPTIONAL) The attribute value change will not be sent when the SOA-Origination flag is set to false.</pre>
type equal to 'pool'.         The attribute value change notification will be sent out to the SOA, if the SOA-origination flag is true, when any of the following attributes change:         numberPoolBlockSOA-Origination         numberPoolBlockLARN         numberPoolBlockCLASS-DPC         numberPoolBlockCLASS-SSN         numberPoolBlockCLASS-SSN         numberPoolBlockCLASS-SSN         numberPoolBlockCLASS-SSN         numberPoolBlockCLASS-SSN         numberPoolBlockCLASS-SSN         numberPoolBlockCNAM-DPC         numberPoolBlockCNAM-SSN         numberPoolBlockSMSC-DPC (OPTIONAL)         numberPoolBlockSMSSC-DPC (OPTIONAL)         numberPoolBlockSMSMSC-SSN (OPTIONAL)         The attribute value change will not be sent when the SOA-Origination         flag is set to false.         The attribute value change notification attribute list contains
type equal to 'pool'.         The attribute value change notification will be sent out to the SOA, if the SOA-origination flag is true, when any of the following attributes change:         numberPoolBlockSOA-Origination         numberPoolBlockLARN         numberPoolBlockCLASS-DPC         numberPoolBlockCLASS-SSN         numberPoolBlockCLASS-SSN         numberPoolBlockCLASS-SSN         numberPoolBlockCLASS-SSN         numberPoolBlockCLASS-SSN         numberPoolBlockCLASS-SSN         numberPoolBlockCNAM-DPC         numberPoolBlockCNAM-SSN         numberPoolBlockSMSC-DPC (OPTIONAL)         numberPoolBlockSMSSC-DPC (OPTIONAL)         numberPoolBlockSMSMSC-SSN (OPTIONAL)         The attribute value change will not be sent when the SOA-Origination         flag is set to false.         The attribute value change notification attribute list contains
<pre>type equal to 'pool'. The attribute value change notification will be sent out to the SOA, if the SOA-origination flag is true, when any of the following attributes change: numberPoolBlockSOA-Origination numberPoolBlockLASS-DPC numberPoolBlockCLASS-DPC numberPoolBlockLIDB-DPC numberPoolBlockLIDB-DPC numberPoolBlockCNAM-DPC numberPoolBlockCNAM-SSN numberPoolBlockSVM-DPC numberPoolBlockSVM-DPC numberPoolBlockSVM-SSN numberPoolBlockSSN figure attribute value change will not be sent when the SOA-Origination flag is set to false. The attribute value change notification attribute list contains only the modified attribute(s).</pre>
<pre>type equal to 'pool'. The attribute value change notification will be sent out to the SOA, iff the SOA-origination flag is true, when any of the following attributes change: numberPoolBlockSOA-Origination numberPoolBlockCLASS-DPC numberPoolBlockLIDB-DPC numberPoolBlockLIDB-DPC numberPoolBlockLIDB-SSN numberPoolBlockCNAM-DPC numberPoolBlockCNAM-SSN numberPoolBlockISVM-DPC numberPoolBlockSSN (OPTIONAL) The attribute value change will not be sent when the SOA-Origination flag is set to false. The attribute value change notification attribute list contains only the modified attribute (s). The number pool block status attribute value change notification</pre>

numberPoolBlockStatus
numberPoolBlockFailed-SP-List
If the NPAC SMS M-DELETEs the number pool block object, the
corresponding subscription versions with LNPType of 'pool' will
also be disconnected. The NPAC SMS will send the M-DELETE for the
number pool block object to the EDR LSMSs and send the M-DELETE(s)
for
the subscription versions to the Non-EDR LSMSs. The non-EDR Local SMS
will receive a scope level-1 request with the filter specifying the
TN-Range and LNP type equal to 'pool'. The NPAC SMS can only remove
one numberPoolBlockNPAC object at a time.
<u> </u>
31.0 Service Provider NPA-NXX-X Data Managed Object Class
<u></u>
serviceProvNPA-NXX-X MANAGED OBJECT CLASS
DERIVED FROM "CCITT Rec. X.721 (1992)   ISO/IEC 10165-2 : 1992":top;
CHARACTERIZED BY
serviceProvNPA-NXX-X-Pkg;
<pre>REGISTERED AS {LNP-OIDS.lnp-objectClass 31};</pre>
<u>serviceProvNPA-NXX-X-Pkq_PACKAGE</u>
BEHAVIOUR
serviceProvNPA-NXX-X-Definition,
serviceProvNPA-NXX-X-Behavior;
ATTRIBUTES
ServiceProvNPA-NXX-X-ID_GET,
serviceProvNPA-NXX-X-Value GET,
serviceProvNPA-NXX-X-CreationTimeStamp GET,
serviceProvNPA-NXX-X-ModifiedTimeStamp GET,
serviceProvNPA-NXX-X-DownloadReason GET,
<pre>serviceProvNPA-NXX-X-EffectiveTimeStamp GET-REPLACE;</pre>
<u>NOTIFICATIONS</u>
<i>i</i>
serviceProvNPA-NXX-X-Definition BEHAVIOUR
DEFINED AS !
The serviceProvNPA-NXX-X class is the managed object
used to identify Service Provider NPA-NXX-X data.
<u>!;</u>
serviceProvNPA-NXX-X-Behavior BEHAVIOUR
DEFINED AS !
This is the Local SMS, SOA and NPAC SMS managed object used for
the Local SMS to NPAC SMS interface and SOA to NPAC SMS interface.
A Local SMS supports the serviceProvNPA-NXX-X via the NPAC
<u>Customer LSMS NPA-NXX-X Indicator in their service provider</u>
profile. A SOA supports the object via the NPAC Customer SOA
NPA-NXX-X Indicator in their service provider profile.
Only the NPAC SMS can create, modify or delete the
object. All updates are initiated by the NPAC SMS and downloaded to
the Local SMSs and SOAs.
An object creation attempt will be rejected by the NPAC SMS if
any subscription versions exist with a status of pending,

	conflict, cancel-pending or failed ("pending-like") for a TN implied
	by the NPA-NXX-X value and an active subscription version object does
	not exist for that TN or the subscription version is a
	port-to-original request.
	NPAC SMS personnel can modify the date of the
	serviceProvNPA-NXX-X-EffectiveTimeStamp only prior to the number
	pool block activation and only if the current date is less than the
	effective date and the new serviceProvNPA-NXX-X-EffectiveTimeStamp
	is greater than or equal to the serviceProvNPA-NXX-X CreationTimeStamp
	plus the NPAC SMS's NPA-NXX-X Holder Effective Date Window Tunable.
	pius the NERC SMS S NER-NAR-A horder Effective Date window funable.
	The serviceProvNPA-NXX-X-ID is specified by the NPAC SMS at creation
	<u>time.</u>
	The course of the the survey to the the survey to
	The serviceProvNPA-NXX-X-CreationTimeStamp is set to the current
	date and time of when the NPAC SMS creates the object.
	The serviceProvNPA-NXX-X-ModifiedTimeStamp is set to the current
	date and time of when the NPAC SMS last modified the object.
	NPAC SMS can M-DELETE, M-SET and M-CREATE a single
	serviceProvNPA-NXX-X object on the Local SMS or SOA (Network Data
	Functional Unit). The Local SMS or SOA only creates local
	<u>copies of serviceProvNPA-NXX-X objects after receiving the</u>
	objects from an NPAC SMS create request, reading them from
	the NPAC SMS download file, or from an lnpDownload request.
	The following attribute can be modified by the NPAC SMS:
	serviceProvNPA-NXX-X-EffectiveTimeStamp
	The serviceProvNPA-NXX-X-DownloadReason and
	serviceProvNPA-NXX-X-ModifiedTimeStamp can be updated as a
	result.
	The NPAC SMS will send to the Local SMS or SOA the M-SET with
	the new serviceProvNPA-NXX-X-EffectiveTimeStamp and
	serviceProvNPA-NXX-X-ModifiedTimeStamp.
	Serviceriovwin waa a modifiedinmestamp.
	The SOA and Local SMS can M-GET the serviceProvNPA-NXX-X object.
	The SOA and Local SMS can M-GET the ServicerTownrA-NAA-A ODject.
	The subscriptionVersionNewNPA-NXX will be sent to notify the service
	providers SOA and Local SMS systems of the creation of this object
	if the creation is the first usage of the NPA-NXX.
1.	
1.4	

## 6.3 Name Binding Definitions

-- 1.0 LNP Audits Managed Object Name Bindings

lnpAudits-lnpNPAC-SMS NAME BINDING
SUBORDINATE OBJECT CLASS lnpAudits AND SUBCLASSES;
NAMED BY
SUPERIOR OBJECT CLASS lnpNPAC-SMS AND SUBCLASSES;

89

	GDMO Demma
WITH ATTRIBUTE lnpAuditsName;	
Note: Create through interface is not supported.	
Note: Delete through interface is not supported.	
<pre>REGISTERED AS {LNP-OIDS.lnp-nameBinding 1};</pre>	
2.0 LNP Local SMS Managed Object Name Bindings	
<u>lnpLocalSMS-root NAME BINDING</u>	
SUBORDINATE OBJECT CLASS lnpLocalSMS AND SUBCLASSES;	
NAMED BY	
SUPERIOR OBJECT CLASS "CCITT Rec. X.660 (1992)   ISO/IEC	<u>9834-1 :</u>
<u>1992":root;</u>	
WITH ATTRIBUTE lnpLocal-SMS-Name;	
Note: Create through interface is not supported.	
Note: Delete through interface is not supported.	
<pre>REGISTERED AS {LNP-OIDS.lnp-nameBinding 3};</pre>	
3.0 LNP Network Managed Object Name Bindings	
lnpNetwork-lnpNPAC-SMS NAME BINDING	
SUBORDINATE OBJECT CLASS lnpNetwork AND SUBCLASSES;	
NAMED BY	
SUPERIOR OBJECT CLASS lnpNPAC-SMS AND SUBCLASSES;	
<u>WITH ATTRIBUTE lnpNetworkName;</u>	
Note: Create through interface is not supported.	
Note: Delete through interface is not supported.	
REGISTERED AS {LNP-OIDS.lnp-nameBinding 4};	
Mattering no (Int Cibo. Inp Manching I)	
Inplactionsh Inplaced CMG NAME DINDING	
<u>lnpNetwork-lnpLocalSMS NAME BINDING</u>	
<u>SUBORDINATE OBJECT CLASS lnpNetwork AND SUBCLASSES;</u>	
NAMED BY	
SUPERIOR OBJECT CLASS lnpLocalSMS AND SUBCLASSES;	
WITH ATTRIBUTE lnpNetworkName;	
Note: Create through interface is not supported.	
Note: Delete through interface is not supported.	
REGISTERED AS {LNP-OIDS.lnp-nameBinding 5};	
<u>lnpNetwork-lnpSOA NAME BINDING</u>	
SUBORDINATE OBJECT CLASS lnpNetwork AND SUBCLASSES;	
NAMED BY	
SUPERIOR OBJECT CLASS lnpSOA AND SUBCLASSES;	
WITH ATTRIBUTE lnpNetworkName;	
Note: Create through interface is not supported.	
Note: Delete through interface is not supported.	
<pre>REGISTERED AS {LNP-OIDS.lnp-nameBinding 17};</pre>	
4.0 LNP NPAC SMS Managed Object Name Bindings	
lnpNPAC-SMS-root NAME BINDING	
SUBORDINATE OBJECT CLASS lnpNPAC-SMS AND SUBCLASSES;	
NAMED BY	
	0024 1
SUPERIOR OBJECT CLASS "CCITT Rec. X.660 (1992)   ISO/IEC	<u>9034-1</u> :
<u>1992":root;</u>	
WITH ATTRIBUTE lnpNPAC-SMS-Name;	
Note: Create through interface is not supported.	
Note: Delete through interface is not supported.	
REGISTERED AS {LNP-OIDS.lnp-nameBinding 6};	
I I A CONTRACTION OF THE HOMODEHICENY OFF	

5.0 LNP Service Providers Managed Object Name Bindings
<u>lnpServiceProvs-lnpNPAC-SMS NAME BINDING</u>
<u>SUBORDINATE OBJECT CLASS lnpServiceProvs AND SUBCLASSES;</u>
NAMED BY
SUPERIOR OBJECT CLASS lnpNPAC-SMS AND SUBCLASSES;
WITH ATTRIBUTE lnpServiceProvsName;
Note: Create through interface is not supported.
Note: Delete through interface is not supported.
<pre>REGISTERED AS {LNP-OIDS.lnp-nameBinding 7};</pre>
6.0 LNP Subscriptions Managed Object Class Name Bindings
<pre>lnpSubscriptions-lnpNPAC-SMS NAME BINDING</pre>
SUBORDINATE OBJECT CLASS lnpSubscriptions AND SUBCLASSES;
NAMED BY
SUPERIOR OBJECT CLASS lnpNPAC-SMS AND SUBCLASSES;
WITH ATTRIBUTE lnpSubscriptionsName;
Note: Create through interface is not supported.
Note: Delete through interface is not supported.
REGISTERED AS {LNP-OIDS.lnp-nameBinding 8};
lnpSubscriptions-lnpLocalSMS NAME BINDING
SUBORDINATE OBJECT CLASS lnpSubscriptions AND SUBCLASSES;
NAMED BY
SUPERIOR OBJECT CLASS lnpLocalSMS AND SUBCLASSES;
WITH ATTRIBUTE lnpSubscriptionsName;
Note: Create through interface is not supported.
Note: Delete through interface is not supported.
REGISTERED AS {LNP-OIDS.lnp-nameBinding 9};
7.0 LNP Service Provider Managed Object Class Name Bindings
serviceProv-lnpServiceProvs NAME BINDING
SUBORDINATE OBJECT CLASS serviceProv AND SUBCLASSES;
NAMED BY
SUPERIOR OBJECT CLASS lnpServiceProvs AND SUBCLASSES;
WITH ATTRIBUTE serviceProvID;
CREATE;
DELETE ONLY-IF-NO-CONTAINED-OBJECTS;
REGISTERED AS {LNP-OIDS.lnp-nameBinding 10};
8.0 LNP Service Provider LRN Managed Object Class Name Bindings
serviceProvLRN-serviceProvNetwork NAME BINDING
SUBORDINATE OBJECT CLASS serviceProvLRN AND SUBCLASSES;
NAMED BY
SUPERIOR OBJECT CLASS serviceProvNetwork AND SUBCLASSES;
WITH ATTRIBUTE serviceProvLRN-ID;
CREATE WITH-AUTOMATIC-INSTANCE-NAMING;
DELETE ONLY-IF-NO-CONTAINED-OBJECTS;
REGISTERED AS {LNP-OIDS.lnp-nameBinding 11};
9.0 LNP Service Provider Network Managed Object Class Name Bindings
serviceProvNetwork-lnpNetwork NAME BINDING
<u>SUBORDINATE OBJECT CLASS serviceProvNetwork AND SUBCLASSES;</u>

GDMO Defini
NAMED BY
SUPERIOR OBJECT CLASS lnpNetwork AND SUBCLASSES;
WITH ATTRIBUTE serviceProvID;
<u>CREATE;</u> DELETE ONLY-IF-NO-CONTAINED-OBJECTS;
REGISTERED AS {LNP-OIDS.lnp-nameBinding 12};
ABGIGINAD AG (BAI GIDG.INP Hamebinaing 12)/
10.0 LNP Service Provider NPA-NXX Managed Object Class Name Bindings
serviceProvNPA-NXX-serviceProvNetwork NAME BINDING
SUBORDINATE OBJECT CLASS serviceProvNPA-NXX AND SUBCLASSES;
NAMED BY
SUPERIOR OBJECT CLASS serviceProvNetwork AND SUBCLASSES;
WITH ATTRIBUTE serviceProvNPA-NXX-ID;
CREATE WITH-AUTOMATIC-INSTANCE-NAMING;
DELETE ONLY-IF-NO-CONTAINED-OBJECTS;
REGISTERED AS {LNP-OIDS.lnp-nameBinding 13};
11 O IND Subscription Audit for the NDAG SNO Menored Object
- 11.0 LNP Subscription Audit for the NPAC SMS Managed Object
subscriptionAudit-lnpAudits NAME BINDING
SUBORDINATE OBJECT CLASS subscriptionAudit AND SUBCLASSES;
NAMED BY
SUPERIOR OBJECT CLASS lnpAudits AND SUBCLASSES;
WITH ATTRIBUTE subscriptionAuditId;
CREATE WITH-AUTOMATIC-INSTANCE-NAMING;
DELETE ONLY-IF-NO-CONTAINED-OBJECTS;
REGISTERED AS {LNP-OIDS.lnp-nameBinding 14};
- 12.0 LNP Subscription Version Managed Object Class
wheerintionVersion languheerintions NAME DINDING
subscriptionVersion-lnpSubscriptions NAME BINDING SUBORDINATE OBJECT CLASS subscriptionVersion AND SUBCLASSES;
NAMED BY
SUPERIOR OBJECT CLASS lnpSubscriptions AND SUBCLASSES;
WITH ATTRIBUTE subscriptionVersionId;
CREATE WITH-AUTOMATIC-INSTANCE-NAMING;
DELETE ONLY-IF-NO-CONTAINED-OBJECTS;
REGISTERED AS {LNP-OIDS.lnp-nameBinding 15};
- 13.0 LNP Service Provider LSMS Filter NPA-NXX Managed Object Class
- Name Bindings
smsFilterNPA-NXX-serviceProv NAME BINDING
SUBORDINATE OBJECT CLASS lsmsFilterNPA-NXX AND SUBCLASSES;
NAMED BY
SUPERIOR OBJECT CLASS serviceProv AND SUBCLASSES;
WITH ATTRIBUTE lsmsFilterNPA-NXX-ID;
CREATE WITH-AUTOMATIC-INSTANCE-NAMING;
DELETE ONLY-IF-NO-CONTAINED-OBJECTS;
REGISTERED AS {LNP-OIDS.lnp-nameBinding 16};
14.0 LNP SOA Managed Object Name Bindings
THE DAY MANAGED ODJECT NAME DINUTINGS

<u>lnpSOA-root NAME BINDING</u> <u>SUBORDINATE OBJECT CLASS lnpSOA AND SUBCLASSES;</u>

NAMED BY
SUPERIOR OBJECT CLASS "CCITT Rec. X.660 (1992)   ISO/IEC 9834-1 :
1992":root;
WITH ATTRIBUTE lnpSOA-Name;
Note: Create through interface is not supported.
Note: Delete through interface is not supported.
REGISTERED AS {LNP-OIDS.lnp-nameBinding 18};
15.0 LNP Number Pool Block Managed Object Class
Name Bindings
numberPoolBlock-lnpSubscriptions NAME BINDING
SUBORDINATE OBJECT CLASS numberPoolBlock AND SUBCLASSES;
NAMED BY
SUPERIOR OBJECT CLASS lnpSubscriptions AND SUBCLASSES;
WITH ATTRIBUTE numberPoolBlockId;
CREATE WITH-AUTOMATIC-INSTANCE-NAMING;
DELETE ONLY-IF-NO-CONTAINED-OBJECTS;
REGISTERED AS {LNP-OIDS.lnp-nameBinding 19};
16.0 LNP Service Provider NPA-NXX-X Managed Object Class
Name Bindings
serviceProvNPA-NXX-X-serviceProvNetwork NAME BINDING
SUBORDINATE OBJECT CLASS serviceProvNPA-NXX-X AND SUBCLASSES;
NAMED BY
SUPERIOR OBJECT CLASS serviceProvNetwork AND SUBCLASSES;
WITH ATTRIBUTE serviceProvNPA-NXX-X-ID;
<u>CREATE WITH-AUTOMATIC-INSTANCE-NAMING;</u>
DELETE ONLY-IF-NO-CONTAINED-OBJECTS;
<pre>REGISTERED AS {LNP-OIDS.lnp-nameBinding 20};</pre>

## 6.4 <u>Attribute Definitions</u>

-- 1.0 LNP Access Control Attribute

accessControl ATTRIBUTE

WITH ATTRIBUTE SYNTAX LNP-ASN1.LnpAccessControl;

MATCHES FOR EQUALITY;

BEHAVIOUR accessControlBehavior;

REGISTERED AS {LNP-OIDS.lnp-attribute 1};

accessControlBehavior BEHAVIOUR

DEFINED AS !

This attribute is used to store/define access control

information for security.

<u>!;</u>

-- 2.0 LNP Action Id Attribute

actionId ATTRIBUTE

WITH ATTRIBUTE SYNTAX LNP-ASN1.Integer; MATCHES FOR EQUALITY; BEHAVIOUR actionIdBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 2};

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GDMO Definition
actionIdBehavior BEHAVIOUR
DEFINED AS !
This attribute is used to store the action id associated
with an action that sends back an asynchronous notification.
<u>!;</u>
3.0 LNP Action Results Status Attribute
actionResultsStatus ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.ActionResultsStatus;
MATCHES FOR EQUALITY;
<pre>BEHAVIOUR actionResultsStatusBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 3};</pre>
<u>RGISIERED AS {EMP-OIDS.IIIp-attribute 5},</u>
actionResultsStatusBehavior BEHAVIOUR
DEFINED AS !
This attribute is used to store the status of an action that
sends back an asynchronous notification with the results.
<u>!;</u>
4.0 LNP Additional Down Time Information
additionalDownTimeInformation ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.GraphicString255;
MATCHES FOR EQUALITY;
BEHAVIOUR additionalDownTimeInformationBehavior;
<pre>REGISTERED AS {LNP-OIDS.lnp-attribute 4};</pre>
additional Decompine Information Debasian DEUAVIOUD
additionalDownTimeInformationBehavior BEHAVIOUR DEFINED AS !
This attribute is used to provide additional information
about planned NPAC SMS down time in an NPAC operations notification
in a log record.
<u></u>
5.0 LNP Audit Discrepancy Failure Reason
auditDiscrepancyFailureReason ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.AuditFailureData;
MATCHES FOR EQUALITY;
BEHAVIOUR auditDiscrepancyFailureReasonBehavior;
<pre>REGISTERED AS {LNP-OIDS.lnp-attribute 5};</pre>
auditDiscrepancyFailureReasonBehavior BEHAVIOUR DEFINED AS !
This attribute is used to store the audit discrepancy failure reason
in an audit discrepancy notification in a log record.
<u></u>
6.0 LNP Audit Discrepancy Local SMS Service Provider Id
auditDiscrepancyLSMS-SP-Id ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.ServiceProvId;
MATCHES FOR EQUALITY;
BEHAVIOUR auditDiscrepancyLSMS-SP-Id-Behavior;
<pre>REGISTERED AS {LNP-OIDS.lnp-attribute 6};</pre>
auditDiscrepancyLSMS-SP-Id-Behavior BEHAVIOUR

auditDiscrepancyLSMS-SP-Id-Behavior BEHAVIOUR

GDMO Definit
DEFINED AS !
This attribute is used to store the service provider id
associated with the Local SMS in an audit discrepancy notification
in a log record.
<u>!;</u>
7.0 LNP Audit Discrepancy TN
auditDiscrepancyTn ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.PhoneNumber;
MATCHES FOR EQUALITY;
BEHAVIOUR auditDiscrepancyTnBehavior;
<pre>REGISTERED AS {LNP-OIDS.lnp-attribute 7};</pre>
auditDiscrepancyTnBehavior BEHAVIOUR
DEFINED AS !
This attribute is used to store the TN for which the discrepancy
was found in an audit discrepancy notification in a log record.
<u>!;</u>
8.0 LNP Audit Discrepancy Version Id
auditDiscrepancyVersionId ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.SubscriptionVersionId;
MATCHES FOR EQUALITY;
BEHAVIOUR auditDiscrepancyVersionId-Behavior;
<pre>REGISTERED AS {LNP-OIDS.lnp-attribute 8};</pre>
auditDiscrepancyVersionId-Behavior BEHAVIOUR DEFINED AS ! This attribute is used to store the version id for the TN for which the discrepancy was found in an audit discrepancy notification in a log record.
The NPAC SMS currently uses a 32-bit signed integer for the
Naming ID Value. The maximum value is ([2**31] - 1) or 2.14B.
It is anticipated that all Service Providers will be able to
successfully handle Naming ID Values up to this maximum.
<u>!;</u>
10.0 LNP Audit Results Audit Completion Time
10.0 BWI Maate Results Maate completion line
auditResultCompletionTime ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime;
MATCHES FOR EQUALITY, ORDERING;
<pre>BEHAVIOUR auditResultCompletionTimeBehavior;</pre>
<pre>REGISTERED AS {LNP-OIDS.lnp-attribute 10};</pre>
auditResultCompletionTimeBehavior BEHAVIOUR
DEFINED AS !
This attribute is used to store the completion time of the audit
in an audit results notification in a log record.
<u></u>
11.0 LNP Audit Result Failed Service Provider List

auditResultFailed-SP-List ATTRIBUTE

	GDINO Deminito
WITH ATTRIBUTE SYNTAX LNP-ASN1.Failed-SP-List;	
MATCHES FOR EQUALITY;	
BEHAVIOUR auditResultFailed-SP-ListBehavior;	
<pre>REGISTERED AS {LNP-OIDS.lnp-attribute 11};</pre>	
auditResultFailed-SP-ListBehavior_BEHAVIOUR	
DEFINED AS !	
This attribute is used to store, in an audit results	
notification in a log record, the list of failed service	2
providers for an audit that failed due to failures on Loca	<u>11</u>
SMSs.	
<u>!;</u>	
12.0 LNP Audit Results Number of Discrepancies	
auditResultNumberDiscrepancies ATTRIBUTE	
WITH ATTRIBUTE SYNTAX LNP-ASN1.Integer;	
MATCHES FOR EQUALITY;	
<u>BEHAVIOUR auditResultNumberDiscrepanciesBehavior;</u>	
REGISTERED AS {LNP-OIDS.lnp-attribute 12};	
auditResultNumberDiscrepanciesBehavior BEHAVIOUR	
DEFINED AS !	
This attribute is used to store the number of discrepancie	<u>es rouna</u>
in an audit results notification in a log record.	
<u>!;</u>	
13.0 LNP Audit Result Status	
1510 Int made Acoust Stated	
auditResultStatus ATTRIBUTE	
WITH ATTRIBUTE SYNTAX LNP-ASN1.AuditResultStatus;	
MATCHES FOR EQUALITY;	
BEHAVIOUR auditResultStatusBehavior;	
<u>REGISTERED AS {LNP-OIDS.lnp-attribute 13};</u>	
auditResultStatusBehavior BEHAVIOUR	
DEFINED AS !	
This attribute is used to store the final status of the au	<u>1011</u>
in an audit results notification in a log record.	
<u>!;</u>	
14.0 LNP Operational Notification Down Time	
downTime ATTRIBUTE	
WITH ATTRIBUTE SYNTAX LNP-ASN1.TimeRange;	
MATCHES FOR EQUALITY;	
BEHAVIOUR downTimeBehavior;	
<u>REGISTERED AS {LNP-OIDS.lnp-attribute 14};</u>	
downTimeBehavior BEHAVIOUR	
DEFINED AS !	
This attribute is used to indicate the down time in an	
NPAC operations notification in a log record.	
<u>!;</u>	
15.0 LNP Failed TN List	

failedTN-List ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.FailedTN-List;
MATCHES FOR EQUALITY;
BEHAVIOUR failedTN-ListBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 15};
<u>failedTN-ListBehavior BEHAVIOUR</u>
DEFINED AS !
This attribute is used to indicate the tn(s) and errors for
a failed action in the return asynchronous notification.
<u>!;</u>
16.0 LNP Audits Name
lnpAuditsName ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.LnpAuditsName;
MATCHES FOR EQUALITY;
BEHAVIOUR lnpAuditsNameBehavior;
<pre>REGISTERED AS {LNP-OIDS.lnp-attribute 16};</pre>
<u>lnpAuditsNameBehavior BEHAVIOUR</u>
DEFINED AS !
This attribute provides an identifier for the lnpAudits managed
object. The value for this attribute is "lnpAudits".
17.0 LNP Local SMS Name
17.0 DNI DOCAT DND Name
lnpLocal-SMS-Name ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.LnpSMS-Name;
MATCHES FOR EQUALITY;
BEHAVIOUR lnpLocal-SMS-NameBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 17};
Instant CMC NemeRobarian DEUNITOUR
<u>lnpLocal-SMS-NameBehavior BEHAVIOUR</u>
DEFINED AS !
This attribute provides an identifier for the lnpLocalSMS
object. The valid value is the service provider id of the
Local SMS followed by a dash and then the region name of the
<u>NPAC-SMS specified in the lnpNPAC-SMS-Name for the NPAC SMS to</u>
Local SMS Interface. For example, if the region name is
"Midwest Regional NPAC SMS" and the service provider id is "1234",
the lnpLocal-SMS-Name would be "1234-Midwest Regional NPAC SMS".
<u></u>
18.0 LNP Network Name
lnpNetworkName ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.LnpNetworkName;
MATCHES FOR EQUALITY;
BEHAVIOUR lnpNetworkNameBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 18};
lnpNetworkNameBehavior BEHAVIOUR
DEFINED AS !
This attribute provides an identifier for the lnpNetwork
object. Valid values are "lnpNetwork" for the NPAC SMS to Local
SMS Interface.

!;

-- 19.0 LNP NPAC SMS Name

<u>lnpNPAC-SMS-Name ATTRIBUTE</u> <u>WITH ATTRIBUTE SYNTAX LNP-ASN1.LnpSMS-Name;</u> <u>MATCHES FOR EQUALITY;</u> <u>BEHAVIOUR lnpNPAC-SMS-NameBehavior;</u> <u>REGISTERED AS {LNP-OIDS.lnp-attribute 19};</u>

lnpNPAC-SMS-NameBehavior BEHAVIOUR

<u>DEFINED AS !</u>

This attribute provides an identifier for the lnpNPAC-SMS object. Valid values for NPAC SMS regional systems can be obtained from NPAC personnel.

The lnpNPAC-SMS-Name values are listed in the IIS document.

!;

-- 20.0 LNP Service Providers Name

<u>lnpServiceProvsName ATTRIBUTE</u>

WITH ATTRIBUTE SYNTAX LNP-ASN1.LnpServiceProvsName; MATCHES FOR EQUALITY;

BEHAVIOUR lnpServiceProvsNameBehavior;

REGISTERED AS {LNP-OIDS.lnp-attribute 20};

lnpServiceProvsNameBehavior BEHAVIOUR

DEFINED AS !

This attribute provides an identifier for the lnpServiceProvs object. The value for this attribute will be "lnpServiceProvs" in the NPAC SMS to Local SMS

Interface.

<u>!;</u>

-- 21.0 LNP Specific Info

<u>lnpSpecificInfo ATTRIBUTE</u>

WITH ATTRIBUTE SYNTAX LNP-ASN1.LnpSpecificInfo; MATCHES FOR EQUALITY; BEHAVIOUR lnpSpecificInfoBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 21};

lnpSpecificInfoBehavior BEHAVIOUR

DEFINED AS !

This attribute is used to pass specific error information in the case of a cmip processing failure error.

!;

-- 22.0 LNP Subscriptions Name

lnpSubscriptionsName ATTRIBUTE

WITH ATTRIBUTE SYNTAX LNP-ASN1.LnpSubscriptionsName; MATCHES FOR EQUALITY; BEHAVIOUR lnpSubscriptionsNameBehavior;

REGISTERED AS {LNP-OIDS.lnp-attribute 22};

lnpSubscriptionsNameBehavior BEHAVIOUR

GDINO Demition
DEFINED AS !
This attribute provides an identifier for the
InpSubscriptions object. The value for this attribute
will be "InpSubscriptions" in the NPAC SMS to Local SMS
Interface.
<u>1;</u>
23.0 LNP NPAC Contact Number
npacContactNumber ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.PhoneNumber;
MATCHES FOR EQUALITY;
<u>BEHAVIOUR npacContactNumberBehavior;</u>
<pre>REGISTERED AS {LNP-OIDS.lnp-attribute 23};</pre>
_npacContactNumberBehavior BEHAVIOUR
DEFINED AS !
This attribute is used to indicate the NPAC contact number
to be called concerning an NPAC SMS outage in an NPAC operations
notification in a log record.
<u>!:</u>
24.0 LNP NPAC Customer Allowable Functions
npacCustomerAllowableFunctions ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.AssociationFunction;
MATCHES FOR EQUALITY;
BEHAVIOUR npacCustomerAllowableFunctionsBehavior;
<pre>REGISTERED AS {LNP-OIDS.lnp-attribute 24};</pre>
npacCustomerAllowableFunctionsBehavior BEHAVIOUR
DEFINED AS !
This attribute is used to specify what functions a service provider
can perform on the SOA to NPAC SMS and NPAC SMS to Local SMS
<u>interfaces.</u>
<u>!;</u>
25.0 LNP Results Completion Time
23.0 LNP Results completion lime
resultsCompletionTime ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR resultsCompletionTimeBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 25};
<u></u>
resultsCompletionTimeBehavior BEHAVIOUR
DEFINED AS !
This attribute is used to store the completion time of the
action in the action results notification.
<u>action in the action results notification.</u>
26.0 LNP Service Provider Address
serviceProvAddress ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.AddressInformation;
MATCHES FOR EQUALITY;
BEHAVIOUR serviceProvAddressBehavior;

GDINO DEI	
REGISTERED AS {LNP-OIDS.lnp-attribute 26};	
<u>serviceProvAddressBehavior BEHAVIOUR</u> DEFINED AS !	
This attribute is used to specify the address information for a service provider. <u>!;</u>	
27.0 LNP Service Provider Billing Address	
<u>serviceProvBillingAddress ATTRIBUTE</u> <u>WITH ATTRIBUTE SYNTAX LNP-ASN1.AddressInformation;</u> <u>MATCHES FOR EQUALITY, ORDERING;</u> BEHAVIOUR serviceProvBillingAddressBehavior;	
REGISTERED AS {LNP-OIDS.lnp-attribute 27};	
<u>serviceProvBillingAddressBehavior BEHAVIOUR</u> DEFINED_AS_!	
This attribute is used to specify the billing address information for a service provider. !:	L
28.0 LNP Service Provider Conflict Resolution Contact Address	
<pre>serviceProvConflictAddress ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.AddressInformation; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR serviceProvConflictAddressBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 28};</pre>	
<pre>serviceProvConflictAddressBehavior BEHAVIOUR DEFINED AS ! This attribute is used to specify the service provider conflict resolution contact address and contact information. !;</pre>	
29.0 LNP Service Provider Data Download Reason	
<pre>serviceProvDownloadReason ATTRIBUTE     WITH ATTRIBUTE SYNTAX LNP-ASN1.DownloadReason;     MATCHES FOR EQUALITY;     BEHAVIOUR serviceProvDownloadReasonBehavior;     REGISTERED AS {LNP-OIDS.lnp-attribute 29};</pre>	
<pre>serviceProvDownloadReasonBehavior BEHAVIOUR DEFINED AS ! This attribute is used to specify the reason the data was downloaded to the Local SMS from NPAC SMS. This attribute only has meaning in objects instantiated on the Local SMS. !;</pre>	
30.0 LNP Service Provider ID	
serviceProvID ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.ServiceProvId; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR serviceProvID-Behavior; REGISTERED AS {LNP-OIDS.lnp-attribute 30};	

serviceProvID-Behavior BEHAVIOUR
<u>DEFINED AS !</u>
This attribute provides an identifier for the
serviceProvNetwork and serviceProv objects as
well as an identifier for the service provider who has requested
an audit on the NPAC SMS. Valid values are the Facilities Id
(or OCN) of the service provider.
<u>!;</u>
31.0 LNP Service Provider LRN Last Modified Time Stamp
serviceProvLRN-CreationTimeStamp ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR serviceProvLRN-CreationTimeStampBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 31};
serviceProvLRN-CreationTimeStampBehavior BEHAVIOUR
DEFINED AS !
This attribute provides the timestamp of when the
serviceProvLRN object was created on the NPAC SMS.
<u>!;</u>
32.0 LNP Service Provider LRN ID
serviceProvLRN-ID ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.LRN-ID;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR serviceProvLRN-ID-Behavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 32};
serviceProvLRN-ID-Behavior BEHAVIOUR
DEFINED AS !
This attribute provides an identifier for the serviceProvLRN
object. The NPAC SMS determines the value for this attribute.
The NPAC SMS currently uses a 32-bit signed integer for the
Naming ID Value. The maximum value is ([2**31] - 1) or 2.14B.
It is anticipated that all Service Providers will be able to
successfully handle Naming ID Values up to this maximum.
<u>!;</u>
33.0 LNP Service Provider LRN Value
serviceProvLRN-Value ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.LRN;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR serviceProvLRN-Value-Behavior;
<pre>REGISTERED AS {LNP-OIDS.lnp-attribute 33};</pre>
correico Drout DN-Value - Pobattion DEUNYTOUR
ServiceProvLRN-Value-Behavior BEHAVIOUR
DEFINED AS !
This attribute is used to specify the value for a service
provider LRN.
The data is stored as packed decimal. For example, if the octets

<pre>as 0123456789). i i i i</pre>	contained 01 23 45 67 89 then the LRN value would be displayed
<pre> 34.0 LNP Service Provider LSMS Address serviceProvLSMS-Address ATTRIBUTE WITH ATTRIBUTE SINTAX LNP-ASN1.AddressInformation; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR serviceProvLSMS-AddressBehavior; REGISTERED AS (LNP-OIDS.lnp-attribute 34); serviceProvLSMS-AddressBehavior BEHAVIOUR DEFINED AS [ This attribute is used to specify the service provider LSMS address and contact information. ]; - 35.0 LNP Service Provider Name serviceProvName ATTRIBUTE MITH ATTRIBUTE SYNTAX LNP-ASN1.ServiceProvNama; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR serviceProvNameBehavior; REGISTERED AS [LNP-OIDS.lnp-attribute 35]; serviceProvNameBehavior BEHAVIOUR DEFINED AS [ DEFINED AS ] This attribute is the English name for the service provider. ]; - 36.0 LNP Service Provider Network and Communications Address serviceProvNetAddress ATTRIBUTE MITH ATTRIBUTE SYNTAX LNP-ASN1.AddressInformation; MATCHES FOR EQUALITY, ORDERING; DEFINED AS [ DEFINED AS ] - This attribute is the English name for the service provider. ]; - 36.0 LNP Service Provider Network and Communications Address serviceProvNetAddress ATTRIBUTE MITH ATTRIBUTE SYNTAX LNP-ASN1.AddressInformation; MATCHES FOR EQUALITY, ORDERING; DEFINED AS ! - This attribute is used to specify the service provider network and communications facilities address and contact information. ]; - 37.0 LNP Service Provider NPA-NXX Creation Time Stamp serviceProvNetAddressFehavior BEHAVIOUR DEFINED AS ! - This attribute SyntAX LNP-ASN1.GeneralTime; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR serviceProvNetAMID_ATTRIBUTE MITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR serviceProvNetAMID_CREATINE; MITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR serviceProvNetAMID_CREATINESTEM DEFINED AS ! - This attribute provides the timestamp of the creation of the DEFINED AS ! - This attribute provides the timestamp of the creation of the</pre>	<u>as 0123456789).</u>
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36.0 LNP Service Provider Network and Communications Address serviceProvNetAddress ATTRIBUTE  WITH ATTRIBUTE SYNTAX LNP-ASN1.AddressInformation;  MATCHES FOR EQUALITY, ORDERING;  BEHAVIOUR serviceProvNetAddressBehavior;  REGISTERED AS (LNP-OIDS.lnp-attribute 36);  serviceProvNetAddressBehavior BEHAVIOUR  DEFINED AS !  This attribute is used to specify the service provider network  and communications facilities address and contact information.  !;  37.0 LNP Service Provider NPA-NXX Creation Time Stamp  serviceProvNPA-NXX-CreationTimeStamp ATTRIBUTE  WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime;  MATCHES FOR EQUALITY, ORDERING;  BEHAVIOUR serviceProvNPA-NXX-CreationTimeStampBehavior;  REGISTERED AS (LNP-OIDS.lnp-attribute 37); serviceProvNPA-NXX-CreationTimeStampBehavior BEHAVIOUR  DEFINED AS !  This attribute provides the timestamp of the creation of the	
<pre>serviceProvNetAddress ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.AddressInformation; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR serviceProvNetAddressBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 36}; serviceProvNetAddressBehavior BEHAVIOUR DEFINED AS ! This attribute is used to specify the service provider network and communications facilities address and contact information. !; 37.0 LNP Service Provider NPA-NXX Creation Time Stamp serviceProvNPA-NXX-CreationTimeStamp ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR serviceProvNPA-NXX-CreationTimeStampBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 37}; serviceProvNPA-NXX-CreationTimeStampBehavior BEHAVIOUR DEFINED AS ! This attribute provides the timestamp of the creation of the</pre>	
<pre>serviceProvNetAddress ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.AddressInformation; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR serviceProvNetAddressBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 36}; serviceProvNetAddressBehavior BEHAVIOUR DEFINED AS ! This attribute is used to specify the service provider network and communications facilities address and contact information. !; 37.0 LNP Service Provider NPA-NXX Creation Time Stamp serviceProvNPA-NXX-CreationTimeStamp ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR serviceProvNPA-NXX-CreationTimeStampBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 37}; serviceProvNPA-NXX-CreationTimeStampBehavior BEHAVIOUR DEFINED AS ! This attribute provides the timestamp of the creation of the</pre>	36.0 LNP Service Provider Network and Communications Address
<pre>WITH ATTRIBUTE SYNTAX LNP-ASN1.AddressInformation; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR serviceProvNetAddressBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 36}; serviceProvNetAddressBehavior BEHAVIOUR DEFINED AS ! This attribute is used to specify the service provider network and communications facilities address and contact information. !;  37.0 LNP Service Provider NPA-NXX Creation Time Stamp serviceProvNPA-NXX-CreationTimeStamp ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR serviceProvNPA-NXX-CreationTimeStampBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 37}; serviceProvNPA-NXX-CreationTimeStampBehavior BEHAVIOUR DEFINED AS ! This attribute provides the timestamp of the creation of the</pre>	
<pre>MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR serviceProvNetAddressBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 36}; serviceProvNetAddressBehavior BEHAVIOUR DEFINED AS ! This attribute is used to specify the service provider network and communications facilities address and contact information. !;  37.0 LNP Service Provider NPA-NXX Creation Time Stamp serviceProvNPA-NXX-CreationTimeStamp ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR serviceProvNPA-NXX-CreationTimeStampBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 37}; serviceProvNPA-NXX-CreationTimeStampBehavior BEHAVIOUR DEFINED AS ! This attribute provides the timestamp of the creation of the</pre>	<u>serviceProvNetAddress ATTRIBUTE</u>
BEHAVIOUR serviceProvNetAddressBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 36}; serviceProvNetAddressBehavior BEHAVIOUR DEFINED AS ! This attribute is used to specify the service provider network and communications facilities address and contact information. !; 37.0 LNP Service Provider NPA-NXX Creation Time Stamp serviceProvNPA-NXX-CreationTimeStamp ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR serviceProvNPA-NXX-CreationTimeStampBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 37}; serviceProvNPA-NXX-CreationTimeStampBehavior BEHAVIOUR DEFINED AS ! This attribute provides the timestamp of the creation of the	
<pre>REGISTERED AS {LNP-OIDS.lnp-attribute 36}; serviceProvNetAddressBehavior BEHAVIOUR DEFINED AS ! This attribute is used to specify the service provider network and communications facilities address and contact information. !; 37.0 LNP Service Provider NPA-NXX Creation Time Stamp serviceProvNPA-NXX-CreationTimeStamp ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR serviceProvNPA-NXX-CreationTimeStampBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 37}; serviceProvNPA-NXX-CreationTimeStampBehavior BEHAVIOUR DEFINED AS ! This attribute provides the timestamp of the creation of the</pre>	
<pre>serviceProvNetAddressBehavior BEHAVIOUR DEFINED AS !</pre>	
DEFINED AS ! This attribute is used to specify the service provider network and communications facilities address and contact information. !; 37.0 LNP Service Provider NPA-NXX Creation Time Stamp serviceProvNPA-NXX-CreationTimeStamp ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR serviceProvNPA-NXX-CreationTimeStampBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 37}; serviceProvNPA-NXX-CreationTimeStampBehavior BEHAVIOUR DEFINED AS ! This attribute provides the timestamp of the creation of the	REGISTERED AS {LNP-OIDS.INP-attribute 36};
DEFINED AS ! This attribute is used to specify the service provider network and communications facilities address and contact information. !; 37.0 LNP Service Provider NPA-NXX Creation Time Stamp serviceProvNPA-NXX-CreationTimeStamp ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR serviceProvNPA-NXX-CreationTimeStampBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 37}; serviceProvNPA-NXX-CreationTimeStampBehavior BEHAVIOUR DEFINED AS ! This attribute provides the timestamp of the creation of the	serviceProvNetAddressBehavior BEHAVIOUR
and communications facilities address and contact information. !; 37.0 LNP Service Provider NPA-NXX Creation Time Stamp serviceProvNPA-NXX-CreationTimeStamp ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR serviceProvNPA-NXX-CreationTimeStampBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 37}; serviceProvNPA-NXX-CreationTimeStampBehavior BEHAVIOUR DEFINED AS ! This attribute provides the timestamp of the creation of the	
<pre>!;  37.0 LNP Service Provider NPA-NXX Creation Time Stamp serviceProvNPA-NXX-CreationTimeStamp ATTRIBUTE with ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR serviceProvNPA-NXX-CreationTimeStampBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 37}; serviceProvNPA-NXX-CreationTimeStampBehavior BEHAVIOUR DEFINED AS ! This attribute provides the timestamp of the creation of the</pre>	This attribute is used to specify the service provider network
37.0 LNP Service Provider NPA-NXX Creation Time Stamp serviceProvNPA-NXX-CreationTimeStamp ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR serviceProvNPA-NXX-CreationTimeStampBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 37}; serviceProvNPA-NXX-CreationTimeStampBehavior BEHAVIOUR DEFINED AS ! This attribute provides the timestamp of the creation of the	and communications facilities address and contact information.
<pre>serviceProvNPA-NXX-CreationTimeStamp ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR serviceProvNPA-NXX-CreationTimeStampBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 37}; serviceProvNPA-NXX-CreationTimeStampBehavior BEHAVIOUR DEFINED AS ! This attribute provides the timestamp of the creation of the</pre>	<u>!;</u>
<pre>serviceProvNPA-NXX-CreationTimeStamp ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR serviceProvNPA-NXX-CreationTimeStampBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 37}; serviceProvNPA-NXX-CreationTimeStampBehavior BEHAVIOUR DEFINED AS ! This attribute provides the timestamp of the creation of the</pre>	27 O IND Counties Duradilar NDD NWY Constitute Directory
WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR serviceProvNPA-NXX-CreationTimeStampBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 37}; serviceProvNPA-NXX-CreationTimeStampBehavior BEHAVIOUR DEFINED AS ! This attribute provides the timestamp of the creation of the	37.0 LNP Service Provider NPA-NXX Creation Time Stamp
WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR serviceProvNPA-NXX-CreationTimeStampBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 37}; serviceProvNPA-NXX-CreationTimeStampBehavior BEHAVIOUR DEFINED AS ! This attribute provides the timestamp of the creation of the	serviceProvNPA-NXX-CreationTimeStamp ATTRIBUTE
MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR serviceProvNPA-NXX-CreationTimeStampBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 37}; serviceProvNPA-NXX-CreationTimeStampBehavior BEHAVIOUR DEFINED AS ! This attribute provides the timestamp of the creation of the	
REGISTERED AS {LNP-OIDS.lnp-attribute 37}; serviceProvNPA-NXX-CreationTimeStampBehavior BEHAVIOUR DEFINED AS ! This attribute provides the timestamp of the creation of the	
serviceProvNPA-NXX-CreationTimeStampBehavior BEHAVIOUR DEFINED AS ! This attribute provides the timestamp of the creation of the	BEHAVIOUR serviceProvNPA-NXX-CreationTimeStampBehavior;
DEFINED AS ! This attribute provides the timestamp of the creation of the	<pre>REGISTERED AS {LNP-OIDS.lnp-attribute 37};</pre>
DEFINED AS ! This attribute provides the timestamp of the creation of the	
This attribute provides the timestamp of the creation of the	
<u>!;</u>	

38.0 LNP Service Provider NPA-NXX Effective Time Stamp
serviceProvNPA-NXX-EffectiveTimeStamp ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR serviceProvNPA-NXX-EffectiveTimeStampBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 38};
serviceProvNPA-NXX-EffectiveTimeStampBehavior BEHAVIOUR
DEFINED AS !
This attribute provides a timestamp as to when the
NPA-NXX is available for LNP in the service provider networks.
<u>!;</u>
39.0 LNP Service Provider NPA-NXX ID
serviceProvNPA-NXX-ID ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.NPA-NXX-ID;
MATCHES FOR EQUALITY, ORDERING;
<pre>BEHAVIOUR serviceProvNPA-NXX-ID-Behavior;</pre>
<pre>REGISTERED AS {LNP-OIDS.lnp-attribute 39};</pre>
serviceProvNPA-NXX-ID-Behavior BEHAVIOUR
DEFINED AS !
This attribute provides an identifier for the
serviceProvNPA-NXX object.
The NPAC SMS determines the value for this attribute.
The NPAC SMS currently uses a 32-bit signed integer for the
Naming ID Value. The maximum value is ([2**31] - 1) or 2.14B.
It is anticipated that all Service Providers will be able to
<u>!;</u>
40.0 LNP Service Provider NPA-NXX Value
ServiceProvNPA-NXX-Value ATTRIBUTE
<u>WITH ATTRIBUTE SYNTAX LNP-ASN1.NPA-NXX;</u> MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR serviceProvNPA-NXX-ValueBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 40};
serviceProvNPA-NXX-ValueBehavior BEHAVIOUR
DEFINED AS !
This attribute is used to specify a portable NPA-NXX value.
<u>!;</u>
41.0 LNP Service Provider Operations Address
serviceProvOperationsAddress ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.AddressInformation;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR serviceProvOperationsAddressBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 41};
serviceProvOperationsAddressBehavior BEHAVIOUR

GDMO Definition
DEFINED AS !
This attribute is used to specify the service provider
operations contact address and contact information.
<u>!;</u>
42.0 LNP Service Provider Repair Center Information
<u>serviceProvRepairCenterInfo ATTRIBUTE</u>
WITH ATTRIBUTE SYNTAX LNP-ASN1.AddressInformation;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR serviceProvRepairCenterInfoBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 42};
The state of the s
serviceProvRepairCenterInfoBehavior BEHAVIOUR
DEFINED AS !
This attribute is used to specify the repair center information
<u>for a service provider.</u>
<u>!;</u>
43.0 LNP Service Provider SOA Address
serviceProvSOA-Address ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.AddressInformation;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR serviceProvSOA-AddressBehavior;
<pre>REGISTERED AS {LNP-OIDS.lnp-attribute 43};</pre>
serviceProvSOA-AddressBehavior_BEHAVIOUR
DEFINED AS !
This attribute is used to specify the service provider SOA address
and contact information.
and concept information:
44.0 LNP Service Provider System Link Information
<u>serviceProvSysLinkInfo ATTRIBUTE</u>
<u>WITH ATTRIBUTE SYNTAX LNP-ASN1.NetworkAddressInformation;</u>
MATCHES FOR EQUALITY;
BEHAVIOUR serviceProvSysLinkInfoBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 44};
serviceProvSysLinkInfoBehavior BEHAVIOUR
DEFINED AS !
This attribute is used to specify the system link address
information for service provider for the SOA to NPAC SMS and
<u>NPAC SMS to Local SMS interfaces.</u>
<u>!;</u>
46.0 LNP Service Provider User Administration Contact Address
serviceProvUserAdminAddress ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.AddressInformation;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR serviceProvUserAdminAddressBehavior;
<pre>REGISTERED AS {LNP-OIDS.lnp-attribute 46};</pre>
serviceProvUserAdminAddressBehavior BEHAVIOUR
DEFINED AS !

GDMO Definition
This attribute is used to specify the service provider
user administration contact address and contact information.
<u>!;</u>
47.0 LNP Service Provider Web Address
serviceProvWebAddress ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.AddressInformation;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR serviceProvWebAddressBehavior;
serviceProvWebAddressBehavior BEHAVIOUR
DEFINED AS !
This attribute is used to specify the service provider Web
interface address and contact information.
::
48.0 LNP Subscription Activation Time Stamp
40:0 INF Subscription Activation Time Stamp
subscriptionActivationTimeStamp ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR subscriptionActivationTimeStampBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 48};
<u>AEGISTERED AS {ENP-OIDS.INP-attribute 40},</u>
aubaanintianlatiustianEimaCtampBabauian DEUNVIOUD
subscriptionActivationTimeStampBehavior BEHAVIOUR
DEFINED AS !
This attribute is set by the NPAC SMS as the current time and date
that the subscription version activation request was received
from the new service provider.
<u>!;</u>
49.0 LNP Subscription Audit Attribute List
49.0 LNF Subscription Addit Attribute List
subscriptionAuditAttributeList ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.AuditAttributes;
MATCHES FOR EQUALITY;
BEHAVIOUR subscriptionAuditAttributeListBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 49};
REGISTERED AS {LNP-OIDS.INP-attribute 49};
subscriptionAuditAttributeListBehavior BEHAVIOUR
DEFINED AS !
This attribute is used to specify the list of attributes in a subscription version that are to be audited.
<u>!;</u>
50.0 IND Cubecription Audit ID
50.0 LNP Subscription Audit ID
aubaanintian AuditId AURETRUME
SUBSCRIPTIONAUDITIC ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.AuditId;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR subscriptionAuditIdBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 50};
aubaanintian Audit IdDabarian DEUAUTOUD
subscriptionAuditIdBehavior BEHAVIOUR
DEFINED AS !
This attribute provides an identifier for the subscriptionAudit

managed objects. The value for this attribute is specified by
the NPAC SMS.
The NPAC SMS currently uses a 32-bit signed integer for the
Naming ID Value. The maximum value is ([2**31] - 1) or 2.14B.
It is anticipated that all Service Providers will be able to
successfully handle Naming ID Values up to this maximum.
<u>!;</u>
51.0 LNP Subscription Audit Name
subscriptionAuditName ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.AuditName;
MATCHES FOR EQUALITY, ORDERING, SUBSTRINGS;
<u>BEHAVIOUR</u> subscriptionAuditNameBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 51};
subscriptionAuditNameBehavior BEHAVIOUR
DEFINED AS !
This attribute is used to specify the English name associated
with an audit.
<u>!;</u>
52.0 LNP Subscription Audit Number of TNs to be Audited
<u>- 52.0 Ent Subscription Madre Namber of This to be Madreed</u>
subscriptionAuditNumberOfTNs ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.AuditNumberOfTNs;
MATCHES FOR EQUALITY;
BEHAVIOUR subscriptionAuditNumberOfTNsBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 52};
subscriptionAuditNumberOfTNsBehavior BEHAVIOUR
DEFINED AS !
This attribute is used to specify the number of TNs that
will be audited based on the audit request criteria.
<u></u>
53.0 LNP Subscription Audit Number of TNs having Completed Audit
subscriptionAuditNumberOfTNsComplete ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.AuditNumberOfTNsComplete;
MATCHES FOR EQUALITY;
BEHAVIOUR subscriptionAuditNumberOfTNsCompleteBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 53};
subscriptionAuditNumberOfTNsCompleteBehavior BEHAVIOUR
<u>DEFINED AS !</u>
This attribute is used to specify the number of TNs that
have completed in an in progress or complete audit.
<u>!;</u>
54.0 LNP Subscription Audit Requesting Service Provider
- 54.0 INT Subscription Audit Requesting Service Flovider
subscriptionAuditRequestingSP ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.ServiceProvId;
MATCHES FOR EQUALITY;
BEHAVIOUR subscriptionAuditRequestingSP-Behavior;

REGISTERED AS {LNP-OIDS.lnp-attribute 54};
<u>subscriptionAuditRequestingSP-Behavior BEHAVIOUR</u> DEFINED AS !
This attribute is used to specify the service provider who
requested the audit.
<u>!;</u>
55.0 LNP Subscription Audit Service Provider Id Range
subscriptionAuditServiceProvIdRange ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.AuditServiceProvIdRange;
MATCHES FOR EQUALITY;
BEHAVIOUR subscriptionAuditServiceProvIdRangeBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 55};
subscriptionAuditServiceProvIdRangeBehavior BEHAVIOUR
DEFINED AS !
This attribute is used to specify a specific service provider or if all service providers should be audited in the subscription
of if all service providers should be addited in the subscriptionaudit
<u></u>
56.0 LNP Subscription Audit Status
subscriptionAuditStatus ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.AuditStatus;
MATCHES FOR EQUALITY;
BEHAVIOUR subscriptionAuditStatusBehavior;
<pre>REGISTERED AS {LNP-OIDS.lnp-attribute 56};</pre>
subscriptionAuditStatusBehavior BEHAVIOUR
DEFINED AS !
This attribute is used to specify the status of an audit. Valid
values are in-progress, suspended, canceled, and complete.
<u></u>
57.0 LNP Subscription Audit TN Activation Range
subscriptionAuditTN-ActivationRange ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.AuditTN-ActivationRange; MATCHES FOR EQUALITY;
BEHAVIOUR subscriptionAuditTN-ActivationRangeBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 57};
subscriptionAuditTN-ActivationRangeBehavior BEHAVIOUR
DEFINED AS !
This attribute is used to specify the activation date and time range for which TNs should be audited in the subscription audit.
<u></u>
59.0 LNP Subscription Audit TN Range
subscriptionAuditTN-Range ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.TN-Range;
MATCHES FOR EQUALITY;
BEHAVIOUR subscriptionAuditTN-RangeBehavior;
<pre>REGISTERED AS {LNP-OIDS.lnp-attribute 59};</pre>

<u>subscriptionAuditTN-RangeBehavior BEHAVIOUR</u> DEFINED AS !
This attribute is used to specify the TN range to be used for
the subscription audit. The stop TN in the range must be
greater than or equal to the start TN in the range.
<u>!;</u>
60.0 LNP Subscription Billing Id
subscriptionBillingId ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.BillingId;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR subscriptionBillingIdBehavior;
<pre>REGISTERED AS {LNP-OIDS.lnp-attribute 60};</pre>
<u>subscriptionBillingIdBehavior BEHAVIOUR</u> DEFINED AS !
<u></u>
61.0 LNP Subscription Broadcast Time Stamp
subscriptionBroadcastTimeStamp ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR subscriptionBroadcastTimeStampBehavior;
<pre>REGISTERED AS {LNP-OIDS.lnp-attribute 61};</pre>
<u>subscriptionBroadcastTimeStampBehavior BEHAVIOUR</u> DEFINED AS !
This attribute is used to specify the time stamp of when
the subscription version was broadcast to the service provider
Local SMSs.
<u>!;</u>
62.0 LNP Subscription Cancellation Time Stamp
subscriptionCancellationTimeStamp ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR subscriptionCancellationTimeStampBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 62};
subscriptionCancellationTimeStampBehavior BEHAVIOUR
DEFINED AS !
This attribute is used to specify the cancellation time
stamp for the subscription version. This field is only valid
if the subscription version status is cancel.
<u>!;</u>
63.0 LNP Subscription Version Class Destination Point Code
SUBSCRIPTIONCLASS-DPC ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.DPC;
<u>MATCHES FOR EQUALITY, ORDERING;</u> BEHAVIOUR subscriptionCLASS-DPCBehavior;
DEHAVIOUN SUBSCIEDCIONCHASS-DECBENAVIOI;

GDMO Definition
REGISTERED AS {LNP-OIDS.lnp-attribute 63};
<u>subscriptionCLASS-DPCBehavior BEHAVIOUR</u> <u>DEFINED AS !</u> <u>This attribute is used to specify the subscription version</u>
CLASS Destination Point Code.
The data is stored in BCD (e.g. a value of FFFFFF would be displayed as 255.255.255). !;
64.0 LNP Subscription Version Class SSN
<pre>subscriptionCLASS-SSN ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.SSN; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR subscriptionCLASS-SSN-Behavior; REGISTERED AS {LNP-OIDS.lnp-attribute 64};</pre>
<pre>subscriptionCLASS-SSN-Behavior BEHAVIOUR DEFINED AS ! This attribute is used to specify the subscription version CLASS SSN. !;</pre>
65.0 LNP Subscription CNAM Destination Point Code
<pre>subscriptionCNAM-DPC ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.DPC; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR subscriptionCNAM-DPC-Behavior; REGISTERED AS {LNP-OIDS.lnp-attribute 65};</pre>
<u>subscriptionCNAM-DPC-Behavior BEHAVIOUR</u> <u>DEFINED AS !</u> This attribute is used to specify the CNAM Destination Point value for the subscription version.
The data is stored in BCD (e.g. a value of FFFFFF would be displayed as 255.255.255).
66.0 LNP Subscription CNAM SSN
<pre>subscriptionCNAM-SSN ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.SSN; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR subscriptionCNAM-SSN-Behavior; REGISTERED AS {LNP-OIDS.lnp-attribute 66};</pre>
<u>subscriptionCNAM-SSN-Behavior BEHAVIOUR</u> <u>DEFINED AS !</u> <u>This attribute is used to specify the CNAM SSN</u> <u>value for the subscription version.</u> <u>!;</u>
67.0 LNP Subscription Conflict Time Stamp

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<pre>subscriptionConflictTimeStamp ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR subscriptionConflictTimeStampBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 67};</pre>
WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime; <u>MATCHES FOR EQUALITY, ORDERING;</u> BEHAVIOUR subscriptionConflictTimeStampBehavior;
MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR subscriptionConflictTimeStampBehavior;
BEHAVIOUR subscriptionConflictTimeStampBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 67};
subscriptionConflictTimeStampBehavior BEHAVIOUR
DEFINED AS !
This attribute is used to specify the time stamp of when
the subscription version was put into conflict.
<u>!;</u>
68.0 LNP Subscription Creation Time Stamp
subscriptionCreationTimeStamp ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR subscriptionCreationTimeStampBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 68};
subscriptionCreationTimeStampBehavior BEHAVIOUR
DEFINED AS !
This attribute is used to specify the creation date
and time for a subscription version.
<u>!;</u>
69.0 LNP Subscription Customer Disconnect Date
subscriptionCustomerDisconnectDate ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime;
MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR subscriptionCustomerDisconnectDateBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 69};
subscriptionCustomerDisconnectDateBehavior BEHAVIOUR
DEFINED AS !
This attribute is used to specify the time stamp of when the
Subscription version was disconnected by the service provider.
<u>!;</u>
70.0 LNP Subscription Disconnect Complete Date
subscriptionDisconnectCompleteTimeStamp ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR subscriptionDisconnectCompleteTimeStampBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 70};
subscriptionDisconnectCompleteTimeStampBehavior BEHAVIOUR
DEFINED AS !
This attribute is used to specify the time stamp of when the
subscription version disconnect broadcast was complete.
<u>!;</u>
71.0 LNP Subscription Download Reason
subscriptionDownloadReason ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.DownloadReason;

MATCHES FOR EQUALITY;
BEHAVIOUR subscriptionDownloadReasonBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 71};
subscriptionDownloadReasonBehavior BEHAVIOUR
DEFINED AS !
This attribute is used to specify the reason the data was
downloaded to the Local SMS from NPAC SMS. This attribute
only has meaning in objects instantiated on the Local SMS and is
not audited in subscription versions.
72.0 LNP Subscription Effective Release Date
subscriptionEffectiveReleaseDate ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime;
MATCHES FOR EQUALITY, ORDERING;
<u>BEHAVIOUR</u> subscriptionEffectiveReleaseDateBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 72};
subscriptionEffectiveReleaseDateBehavior BEHAVIOUR
DEFINED AS !
This attribute is used to specify the time stamp of when the
subscription version is to be disconnected. The status
of the version must be disconnect pending.
<u>!;</u>
73.0 LNP Subscription End User Location Type
subscriptionEndUserLocationType ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.EndUserLocationType;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR subscriptionEndUserLocationTypeBehavior;
<pre>REGISTERED AS {LNP-OIDS.lnp-attribute 73};</pre>
subscriptionEndUserLocationTypeBehavior BEHAVIOUR
DEFINED AS !
This attribute is used to specify the End User Location Type
for the subscription version. This field is included for
future use.
!;
74.0 LNP Subscription End User Location Value
subscriptionEndUserLocationValue ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.EndUserLocationValue;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR subscriptionEndUserLocationValueBehavior;
<pre>REGISTERED AS {LNP-OIDS.lnp-attribute 74};</pre>
subscriptionEndUserLocationValueBehavior BEHAVIOUR
DEFINED AS !
This attribute is used to specify the End User Location Value
for the subscription version. This field is included for
future use.
!;
75.0 LNP Subscription Failed Service Provider List

subscriptionFailed-SP-List ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.Failed-SP-List;
MATCHES FOR EQUALITY;
BEHAVIOUR subscriptionFailed-SP-ListBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 75};
subscriptionFailed-SP-ListBehavior BEHAVIOUR
DEFINED AS !
This attribute is used to store the failed service providers after
a subscription version and/or number pool block broadcast results in a
failed or partial failure subscription version and/or number
pool block status.
<u>A subscription version of LNP type equal to 'pool' will have a</u>
subscriptionFailed-SP-List for any non-EDR service providers
who failed to receive the subscription version and any EDR service
providers who failed to receive the number pool block.
<u>!;</u>
76.0 LNP Subscription ISVM Destination Point Code
subscriptionISVM-DPC ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.DPC;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR subscriptionISVM-DPC-Behavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 76};
subscriptionISVM-DPC-Behavior BEHAVIOUR
DEFINED AS !
This attribute is used to specify the ISVM Destination Point
value for the subscription version.
<u>The data is stored in BCD (e.g. a value of FFFFFF would be</u> displayed as 255.255.255).
<u></u>
77.0 LNP Subscription ISVM SSN
subscriptionISVM-SSN ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.SSN;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR subscriptionISVM-SSN-Behavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 77};
subscriptionISVM-SSN-Behavior BEHAVIOUR
DEFINED AS !
This attribute is used to specify the ISVM SSN
value for the subscription version.
<u>!;</u>
78.0 LNP Subscription LIDB Destination Point Code
subscriptionLIDB-DPC ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.DPC;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR subscriptionLIDB-DPC-Behavior;

<pre>subscriptionLIDB-DPC-Behavior BEHAVIOUE DEFINED AS 1 This attribute is used to specify the LIDB Destination Point value for the subscription version. The data is stored in BCD (e.g. a value of FFFFFF would be displayed as 255,255,259). 1; </pre>	REGISTERED AS {LNP-OIDS.lnp-attribute 78};
This attribute is used to specify the LIDB Destination Point value for the subscription version. The data is stored in BCD (e.g. a value of FFFFFF would be displayed as 255.255). 1:- 79.0 LNP Subscription LIDB SSN subscriptionIDB-SSN ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.SSN; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR subscriptionLIDB-SSN-Behavior; REGISTERED AS (LNP-ODS.Lnp-attribute 791; subscriptionILDB-SSN-Behavior BEHAVIOUR DEFINED AS 1 This attribute is used to specify the LIDB SSN walue for the subscription version. 1:- 80.0 LNP SubscriptionLOCAL Number Portability Type subscriptionINPType ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1_LNPType; MATCHES FOR EQUALITY; BEHAVIOUR subscriptionINPTypeBehavior; REGISTERED AS (LNP-ODS.Lnp-attribute 801; subscriptionINPTypeBhavior BEHAVIOUR DEFINED AS 1 This attribute is used to specify the Local Number Portability type for the subscription version. 1:- 81.0 LNP Subscription LEN SubscriptionINPTypeBehavior BEHAVIOUR DEFINED AS 1 This attribute is used to specify the Local Number Portability type for the subscription version. 1:- 81.0 LNP Subscription LEN SubscriptionINPTypeBehavior; REGISTERED AS (LNP-ODS.Lnp-attribute 81]; subscriptionINPTypeBehavior; REGISTERED AS (LNP-ODS.Lnp-attribute 81]; subscriptionINPTwpeBehavior BEHAVIOUR DEFINED AS 1 This attribute is used to specify the subscription LEN MITH ATTRIBUTE WITH ATTRIBUTE WITH ATTRIBUTE SUMTAX LNP-ASN1_LEN; MITCHES FOR EQUALITY, ORDERING; BEHAVIOUR subscription LEN The data is stored as packed decimal. For example, if the octets contained 01 23 45 67 89 then the LEN value would be displayed as 0123456789). 1:	subscriptionLIDB-DPC-Behavior BEHAVIOUR
<pre>value for the subscription version. The data is stored in ECD (e.g. a value of FFFFFF would be displayed as 255.255.1 ;</pre>	DEFINED AS !
The data is stored in BCD (e.g. a value of FFFFFF would be displayed as 255.255.255). I:	
<pre>displayed as 255.255.255. l;   79.0 LNP Subscription LIDE SSN subscriptionLIDE-SSN ATTRIEUTE wiTHA ATTRIBUTE SNYTAX LNP-ASNI.SSN; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR subscriptionLIDE-SSN-Behavior; REGISTERED AS (LNP-OIDS.Inp-attribute 79); subscriptionLIDE-SSN-Behavior BEHAVIOUR </pre>	value for the subscription version.
<pre>displayed as 255.255.255. l;   79.0 LNP Subscription LIDE SSN subscriptionLIDE-SSN ATTRIEUTE wiTHA ATTRIBUTE SNYTAX LNP-ASNI.SSN; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR subscriptionLIDE-SSN-Behavior; REGISTERED AS (LNP-OIDS.Inp-attribute 79); subscriptionLIDE-SSN-Behavior BEHAVIOUR </pre>	The data is stored in BCD (e.g. a value of FFFFFF would be
<pre>1/</pre>	
<pre>subscriptionLIDE-SSN ATTRIBUTE MITH ATTRIBUTE SYNTAX LMP-ASN1.SSN; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR subscriptionLIDE-SSN-Behavior; REGISTERED AS (LNP-OIDS.lnp-attribute 79); subscriptionLIDE-SSN-Behavior BEHAVIOUR DEFINED AS 1 This attribute is used to specify the LIDE SSN value for the subscription version. 1;_ =- \$0.0 LNF Subscription Local Number Portability Type subscriptionLNFType ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.LNFType; MATCHES FOR EQUALITY; BEHAVIOUR subscriptionLNPTypeBehavior; REGISTERED AS (LNP-OIDS.lnp-attribute 80); subscriptionLNPTypeBehavior BEHAVIOUR DEFINED AS 1 This attribute is used to specify the Local Number Portability type for the subscription version. 1;_ =- \$1.0 LNP Subscription LRN subscriptionLNPTypeBehavior; REGISTERED AS (LNP-OIDS.lnp-attribute 80); subscriptionLNPTypeBehavior BEHAVIOUR DEFINED AS 1 This attribute is used to specify the Local Number Portability type for the subscription version. 1;_ =- \$1.0 LNP Subscription LRN subscriptionLNN ATTRIBUTE wITH ATTRIBUTE SYNTAX LNP-ASN1.LRN; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR subscriptionENDEhavior; REGISTERED AS (LNP-OIDS.lnp-attribute 81); subscriptionLNBehavior BEHAVIOUR DEFINED AS 1 This attribute is used to specify the subscription LRN for a subscription version. The data is stored as packed decimal. For example, if the octets contained 01 23 45 67 89 then the LRN value would be displayed as 0123456789). 1;</pre>	
<pre>subscriptionLIDE-SSN ATTRIBUTE MITH ATTRIBUTE SYNTAX LMP-ASN1.SSN; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR subscriptionLIDE-SSN-Behavior; REGISTERED AS (LNP-OIDS.lnp-attribute 79); subscriptionLIDE-SSN-Behavior BEHAVIOUR DEFINED AS 1 This attribute is used to specify the LIDE SSN value for the subscription version. 1;_ =- \$0.0 LNF Subscription Local Number Portability Type subscriptionLNFType ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.LNFType; MATCHES FOR EQUALITY; BEHAVIOUR subscriptionLNPTypeBehavior; REGISTERED AS (LNP-OIDS.lnp-attribute 80); subscriptionLNPTypeBehavior BEHAVIOUR DEFINED AS 1 This attribute is used to specify the Local Number Portability type for the subscription version. 1;_ =- \$1.0 LNP Subscription LRN subscriptionLNPTypeBehavior; REGISTERED AS (LNP-OIDS.lnp-attribute 80); subscriptionLNPTypeBehavior BEHAVIOUR DEFINED AS 1 This attribute is used to specify the Local Number Portability type for the subscription version. 1;_ =- \$1.0 LNP Subscription LRN subscriptionLNN ATTRIBUTE wITH ATTRIBUTE SYNTAX LNP-ASN1.LRN; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR subscriptionENDEhavior; REGISTERED AS (LNP-OIDS.lnp-attribute 81); subscriptionLNBehavior BEHAVIOUR DEFINED AS 1 This attribute is used to specify the subscription LRN for a subscription version. The data is stored as packed decimal. For example, if the octets contained 01 23 45 67 89 then the LRN value would be displayed as 0123456789). 1;</pre>	79 0 LNP Subscription LIDE SSN
<pre>WITH ATTRIBUTE SYNTAX LMP-ASN1.SSN; MATCHES FOR EQUALITY, ORDERING; BEHANIOUR subscriptionLIDE-SSN-Behavior; REGISTERED AS (INP-OIDS.lnp-attribute 79); subscriptionLIDE-SSN-Behavior BEHAVIOUR DEFINED AS 1 This attribute is used to specify the LIDE SSN value for the subscription version. ;  \$0.0 LNP Subscription Local Number Portability Type subscriptionLNPType ATTRIBUTE WITH ATTRIBUTE SYNTAX LMP-ASN1.LNPType; MATCHES FOR EQUALITY; BEHAVIOUR subscriptionLNPTypeBehavior; REGISTERED AS (INP-OIDS.lnp-attribute 80); subscriptionLNPTypeBehavior BEHAVIOUR DEFINED AS 1 This attribute is used to specify the Local Number Portability type for the subscription version. ];  \$1.0 LNP Subscription LRN SubscriptionLNPTwpeBehavior; REGISTERED AS (INP-OIDS.lnp-attribute 80); subscriptionLNPTwpeBehavior BEHAVIOUR DEFINED AS 1 This attribute is used to specify the Local Number Portability type for the subscription version. ];   \$1.0 LNP Subscription LRN SubscriptionLNN ATTRIBUTE WITH ATTRIBUTE SYNTAX LMP-ASN1.LNN; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR subscriptionLNNBehavior; REGISTERED AS (INP-OIDS.lnp-attribute 81); subscriptionLRNBehavior BEHAVIOUR DEFINED AS 1 This attribute is used to specify the subscription LRN  for a subscription version. The data is stored as packed decimal. For example, if the octets contained 01 23 45 67 89 then the LRN value would be displayed as 0123456789). ];</pre>	
<pre>MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR subscriptionLIDE-SSN-Behavior; REGISTERED AS (LMP-OIDS.lnp-attribute 79); subscriptionLIDE-SSN-Behavior BEHAVIOUR DEFINED AS ! This attribute is used to specify the LIDE SSN value for the subscription version. !;  80.0 LNP Subscription Local Number Portability Type subscriptionLNPType ATTRIBUTE WITE ATTRIBUTE SYNTAX LNP-ASN1.LNPType; MATCHES FOR EQUALITY; BEHAVIOUR subscriptionLNPTypeBehavior; REGISTERED AS (LMP-OIDS.lnp-attribute 80); subscriptionLNPTypeBehavior BEHAVIOUR DEFINED AS !  \$1.0 LNP Subscription LRN  \$1.0 LNP Subscription LRN subscriptionLRN ATTRIBUTE WITE ATTRIBUTE SYNTAX LNP-ASN1.LNY; MATCHES FOR EQUALITY; DEBENG; BEHAVIOUR subscription LRN  \$1.0 LNP Subscription LRN subscriptionLRN ATTRIBUTE WITE ATTRIBUTE SYNTAX LNP-ASN1.LNY; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR subscriptionLRNBehavior; REGISTERED AS (LMP-OIDS.lnp-attribute 81); subscriptionLRN ATTRIBUTE WITE ATTRIBUTE SYNTAX LNP-ASN1.LNY; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR subscriptionLENBehavior; REGISTERED AS (LMP-OIDS.lnp-attribute 81); subscriptionLRNBehavior BEHAVIOUR DEFINED AS !  This attribute is used to specify the subscription LRN  for a subscription version.  The data is stored as packed decimal. For example, if the octets contained 01 23 45 67 89 then the LRN value would be displayed as 0123456789). !;</pre>	
<pre>BEHAVIOUR subscriptionLIDB-SSN-Behavior; REGISTERED AS (LNP-OIDS.lnp-attribute 79); subscriptionLIDB-SSN-Behavior BEHAVIOUR DEFINED AS ! This attribute is used to specify the LIDE SSN value for the subscription version. !; = - \$0.0 LNP Subscription Local Number Portability Type subscriptionLNPType ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.LNPType; MATCHES FOR EQUALITY; BEHAVIOUR subscriptionLNPTypeBehavior; REGISTERED AS (LNP-OIDS.lnp-attribute 80); subscriptionLNPTypeBehavior BEHAVIOUR DEFINED AS ! </pre>	
<pre>REGISTERED AS (LNP-OIDS.lnp-attribute 79); subscriptionLIDB-SSN-Behavior BEHAVIOUR DEFINED AS 1 This attribute is used to specify the LIDB SSN value for the subscription version. 1/ 80.0 LNP Subscription Local Number Portability Type subscriptionLNPType ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.LNPType; MATCHES FOR EQUALIT; BEHAVIOUR subscriptionLNPTypeBehavior; REGISTERED AS (LNP-OIDS.lnp-attribute 80); subscriptionLNPTypeBehavior BEHAVIOUR DEFINED AS 1 This attribute is used to specify the Local Number Portability type for the subscription version. 1/ 81.0 LNP Subscription LRN subscriptionLRN ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.LRN; MATCHES FOR EQUALIT; ORDERING; BEHAVIOUR subscriptionLRN subscriptionLRN ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.LRN; MATCHES FOR EQUALIT; ORDERING; BEHAVIOUR subscriptionLRNehavior; REGISTERED AS (LNP-OIDS.lnp-attribute 81); subscriptionLRNBehavior BEHAVIOUR DEFINED AS 1 This attribute is used to specify the subscription LRN for a subscription version. The data is stored as packed decimal. For example, if the octets contained 01 23 45 67 89 then the LRN value would be displayed as 0123456789). 1; </pre>	
<pre>subscriptionLIDE-SSN-Behavior BEHAVIOUR DEFINED AS ! This attribute is used to specify the LIDE SSN value for the subscription version. ! =- \$0.0 LNP Subscription Local Number Portability Type subscriptionLNPType ATTRIBUTE wiTH ATTRIBUTE SYNTAX LNP-ASN1.LNPType; MATCHES FOR EQUALITY; BEHAVIOUR subscriptionLNPTypeBehavior; REGISTERED AS (LNP-OIDS.lnp-attribute 80); subscriptionLNPTypeBehavior BEHAVIOUR DEFINED AS ! </pre>	
<pre>DEFINED AS 1 This attribute is used to specify the LIDE SSN value for the subscription version. : 80.0 LNP Subscription Local Number Portability Type subscriptionLNPType ATTRIBUTE wITH ATTRIBUTE SYNTAX LNP-ASN1.LNPType; MATCHES FOR EQUALITY; BEHAVIOUR subscriptionLNPTypeBehavior; REGISTERED AS (LNP-OIDS.lnp-attribute 80); subscriptionLNPTypeBehavior BEHAVIOUR DEFINED AS 1 This attribute is used to specify the Local Number Portability type for the subscription version. : 81.0 LNP Subscription LRN subscriptionLRN ATTRIBUTE wITH ATTRIBUTE SYNTAX LNP-ASN1.LRN; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR subscriptionLRNBehavior; REGISTERED AS (LNP-OIDS.lnp-attribute 81); subscriptionLRNBehavior BEHAVIOUR DEFINED AS 1 This attribute is used to specify the subscription LRN for a subscription version. The data is stored as packed decimal. For example, if the octets contained 01 23 45 67 89 then the LRN value would be displayed as 0123456789). !/</pre>	REGISTERED AS {LNP-OIDS.lnp-attribute 79};
This attribute is used to specify the LIDB SSN value for the subscription version. 1 80.0 LNP Subscription Local Number Portability Type SubscriptionLNPType ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.LNPType; MATCHES FOR EQUALITY; BEHAVIOUR subscriptionLNPTypeBehavior; REGISTERED AS (LNP-OIDS.lnp-attribute 80); SubscriptionLNPTypeBehavior BEHAVIOUR DEFINED AS 1 This attribute is used to specify the Local Number Portability type for the subscription version. 1 81.0 LNP Subscription LRN SubscriptionLRN ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.LRN; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR subscriptionLRNBehavior; REGISTERED AS (LNP-OIDS.lnp-attribute 81); SubscriptionLRNBehavior BEHAVIOUR DEFINED AS ! This attribute is used to specify the subscription LRN for a subscription version. The data is stored as packed decimal. For example, if the octets contained 01 23 45 67 89 then the LRN value would be displayed as 0123456789). 1.1	subscriptionLIDB-SSN-Behavior BEHAVIOUR
<pre>value for the subscription version. l;</pre>	
<pre>!;</pre>	
<pre> 80.0 LNP Subscription Local Number Portability Type subscriptionLNPType ATTRIBUTE     MITH ATTRIBUTE SYNTAX LNP-ASN1.LNPType;     MATCHES FOR EQUALITY;     BEHAVIOUR subscriptionLNPTypeBehavior;     REGISTERED AS (LNP-OIDS.lnp-attribute 80); subscriptionLNPTypeBehavior BEHAVIOUR     DEFINED AS !     This attribute is used to specify the Local Number Portability     type for the subscription version.     '- 81.0 LNP Subscription LRN     SubscriptionLNN ATTRIBUTE     WITH ATTRIBUTE SYNTAX LNP-ASN1.LRN;     MATCHES FOR EQUALITY, ORDERING;     BEHAVIOUR subscriptionLNN BEHAVIOUR     DEFINED AS (LNP-OIDS.lnp-attribute 81); subscriptionLRNBehavior BEHAVIOUR     DEFINED AS !     This attribute is used to specify the subscription LRN     for a subscription version.     The data is stored as packed decimal. For example, if the octets     contained 01 23 45 67 89 then the LRN value would be displayed</pre>	
<pre>subscriptionLNPType ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.LNPType; MATCHES FOR EQUALITY; BEHAVIOUR subscriptionLNPTypeBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 80}; subscriptionLNPTypeBehavior BEHAVIOUR DEFINED AS ! This attribute is used to specify the Local Number Portability type for the subscription version. !; =- 81.0 LNP Subscription LRN = subscriptionLRN ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.LRN; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR subscriptionLNNBehavior; REGISTERED AS (LNP-OIDS.lnp-attribute 81); subscriptionLRNBehavior BEHAVIOUR DEFINED AS ! This attribute is used to specify the subscription LRN for a subscription version. The data is stored as packed decimal. For example, if the octets contained 01 23 45 67 89 then the LRN value would be displayed as 0123456789). !; !; }</pre>	<u>!;</u>
<pre>WITH ATTRIBUTE SYNTAX LNP-ASN1.LNPType; MATCHES FOR EQUALITY; BEHAVIOUR subscriptionLNPTypeBehavior; REGISTERED AS (LNP-OIDS.lnp-attribute 80); subscriptionLNPTypeBehavior BEHAVIOUR DEFINED AS ! This attribute is used to specify the Local Number Portability type for the subscription version. !:  81.0 LNP Subscription LRN  subscriptionLRN ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.LRN; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR subscriptionLRNBehavior; REGISTERED AS (LNP-OIDS.lnp-attribute 81); subscriptionLRNBehavior BEHAVIOUR DEFINED AS ! This attribute is used to specify the subscription LRN for a subscription version. The data is stored as packed decimal. For example, if the octets contained 01 23 45 67 89 then the LRN value would be displayed as 0123456789). !;</pre>	80.0 LNP Subscription Local Number Portability Type
<pre>MATCHES FOR EQUALITY; BEHAVIOUR subscriptionLNPTypeBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 80}; subscriptionLNPTypeBehavior BEHAVIOUR DEFINED AS ! This attribute is used to specify the Local Number Portability type for the subscription version. !;  81.0 LNP Subscription LRN subscriptionLRN ATTRIBUTE wiTH ATTRIBUTE SYNTAX LNP-ASN1.LRN; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR subscriptionLRNBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 81}; subscriptionLRNBehavior BEHAVIOUR DEFINED AS ! This attribute is used to specify the subscription LRN for a subscription version. The data is stored as packed decimal. For example, if the octets contained 01 23 45 67 89 then the LRN value would be displayed as 0123456789). !;</pre>	subscriptionLNPType ATTRIBUTE
<pre>BEHAVIOUR subscriptionLNPTypeBehavior; REGISTERED AS (LNP-OIDS.lnp-attribute 80); subscriptionLNPTypeBehavior BEHAVIOUR DEFINED AS 1 This attribute is used to specify the Local Number Portability type for the subscription version. !;  81.0 LNP Subscription LRN  subscriptionLRN ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.LRN; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR subscriptionLRNBehavior; REGISTERED AS (LNP-OIDS.lnp-attribute 81); subscriptionLRNBehavior BEHAVIOUR DEFINED AS ! This attribute is used to specify the subscription LRN for a subscription version. The data is stored as packed decimal. For example, if the octets contained 01 23 45 67 89 then the LRN value would be displayed as 0123456789). !;</pre>	WITH ATTRIBUTE SYNTAX LNP-ASN1.LNPType;
<pre>REGISTERED AS {LNP-OIDS.lnp-attribute 80}; subscriptionLNPTypeBehavior BEHAVIOUR DEFINED AS ! This attribute is used to specify the Local Number Portability type for the subscription version. !; 81.0 LNP Subscription LRN subscriptionLRN ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.LRN; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR subscriptionLRNBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 81}; subscriptionLRNBehavior BEHAVIOUR DEFINED AS ! This attribute is used to specify the subscription LRN for a subscription version. The data is stored as packed decimal. For example, if the octets contained 01 23 45 67 89 then the LRN value would be displayed as 0123456789). !;</pre>	MATCHES FOR EQUALITY;
<pre>subscriptionLNPTypeBehavior BEHAVIOUR DEFINED AS ! This attribute is used to specify the Local Number Portability type for the subscription version. !;  81.0 LNP Subscription LRN subscriptionLRN ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.LRN; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR subscriptionLRNBehavior; REGISTERED AS (LNP-OIDS.lnp-attribute 81); subscriptionLRNBehavior BEHAVIOUR DEFINED AS ! This attribute is used to specify the subscription LRN for a subscription version. The data is stored as packed decimal. For example, if the octets contained 01 23 45 67 89 then the LRN value would be displayed as 0123456789). !;</pre>	
DEFINED AS ! This attribute is used to specify the Local Number Portability type for the subscription version. !; 81.0 LNP Subscription LRN subscriptionLRN ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.LRN; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR subscriptionLRNBehavior; REGISTERED AS (LNP-OIDS.lnp-attribute 81); subscriptionLRNBehavior BEHAVIOUR DEFINED AS ! This attribute is used to specify the subscription LRN for a subscription version. The data is stored as packed decimal. For example, if the octets contained 01 23 45 67 89 then the LRN value would be displayed as 0123456789). !;	REGISTERED AS {LNP-OIDS.lnp-attribute 80};
DEFINED AS ! This attribute is used to specify the Local Number Portability type for the subscription version. !; 81.0 LNP Subscription LRN subscriptionLRN ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.LRN; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR subscriptionLRNBehavior; REGISTERED AS (LNP-OIDS.lnp-attribute 81); subscriptionLRNBehavior BEHAVIOUR DEFINED AS ! This attribute is used to specify the subscription LRN for a subscription version. The data is stored as packed decimal. For example, if the octets contained 01 23 45 67 89 then the LRN value would be displayed as 0123456789). !;	subscriptionLNPTypeBehavior BEHAVIOUR
type for the subscription version. :; 81.0 LNP Subscription LRN subscriptionLRN ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.LRN; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR subscriptionLRNBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 81}; subscriptionLRNBehavior BEHAVIOUR DEFINED AS ! This attribute is used to specify the subscription LRN for a subscription version. The data is stored as packed decimal. For example, if the octets contained 01 23 45 67 89 then the LRN value would be displayed as 0123456789). !;	
<pre>!;</pre>	This attribute is used to specify the Local Number Portability
<pre> 81.0 LNP Subscription LRN</pre>	
<pre>subscriptionLRN ATTRIBUTE wITH ATTRIBUTE SYNTAX LNP-ASN1.LRN; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR subscriptionLRNBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 81}; subscriptionLRNBehavior BEHAVIOUR DEFINED AS ! This attribute is used to specify the subscription LRN for a subscription version. The data is stored as packed decimal. For example, if the octets contained 01 23 45 67 89 then the LRN value would be displayed as 0123456789). !;</pre>	<u>!;</u>
<pre>WITH ATTRIBUTE SYNTAX LNP-ASN1.LRN; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR subscriptionLRNBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 81}; subscriptionLRNBehavior BEHAVIOUR DEFINED AS ! This attribute is used to specify the subscription LRN for a subscription version. The data is stored as packed decimal. For example, if the octets contained 01 23 45 67 89 then the LRN value would be displayed as 0123456789). !;</pre>	81.0 LNP Subscription LRN
<pre>WITH ATTRIBUTE SYNTAX LNP-ASN1.LRN; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR subscriptionLRNBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 81}; subscriptionLRNBehavior BEHAVIOUR DEFINED AS ! This attribute is used to specify the subscription LRN for a subscription version. The data is stored as packed decimal. For example, if the octets contained 01 23 45 67 89 then the LRN value would be displayed as 0123456789). !;</pre>	subscriptionLRN ATTRIBUTE
BEHAVIOUR subscriptionLRNBehavior;         REGISTERED AS {LNP-OIDS.lnp-attribute 81};         subscriptionLRNBehavior BEHAVIOUR         DEFINED AS !         This attribute is used to specify the subscription LRN         for a subscription version.         The data is stored as packed decimal. For example, if the octets         contained 01 23 45 67 89 then the LRN value would be displayed         as 0123456789).         !;	
REGISTERED AS {LNP-OIDS.lnp-attribute 81}; subscriptionLRNBehavior BEHAVIOUR DEFINED AS ! This attribute is used to specify the subscription LRN for a subscription version. The data is stored as packed decimal. For example, if the octets contained 01 23 45 67 89 then the LRN value would be displayed as 0123456789). !;	MATCHES FOR EQUALITY, ORDERING;
<pre>subscriptionLRNBehavior BEHAVIOUR</pre>	BEHAVIOUR subscriptionLRNBehavior;
DEFINED AS ! This attribute is used to specify the subscription LRN for a subscription version. The data is stored as packed decimal. For example, if the octets contained 01 23 45 67 89 then the LRN value would be displayed as 0123456789). !;	REGISTERED AS {LNP-OIDS.lnp-attribute 81};
DEFINED AS ! This attribute is used to specify the subscription LRN for a subscription version. The data is stored as packed decimal. For example, if the octets contained 01 23 45 67 89 then the LRN value would be displayed as 0123456789). !;	subscriptionLRNBehavior BEHAVIOUR
This attribute is used to specify the subscription LRN for a subscription version. The data is stored as packed decimal. For example, if the octets contained 01 23 45 67 89 then the LRN value would be displayed as 0123456789). !;	
for a subscription version. The data is stored as packed decimal. For example, if the octets contained 01 23 45 67 89 then the LRN value would be displayed as 0123456789). !;	
contained 01 23 45 67 89 then the LRN value would be displayed as 0123456789). !;	
contained 01 23 45 67 89 then the LRN value would be displayed as 0123456789). !;	The data is stored as packed decimal. For example, if the octets
<u>as 0123456789).</u> !;	
<u>!;</u>	
82.0 LNP Subscription Modified Time Stamp	
	82.0 LNP Subscription Modified Time Stamp

subscriptionModifiedTimeStamp ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime;
MATCHES FOR EQUALITY, ORDERING;
<u>BEHAVIOUR</u> subscriptionModifiedTimeStampBehavior;
<pre>REGISTERED AS {LNP-OIDS.lnp-attribute 82};</pre>
subscriptionModifiedTimeStampBehavior BEHAVIOUR
<u>DEFINED AS !</u>
This attribute is used to specify the last modification date
<u>for a subscription version.</u>
<u>!;</u>
83.0 LNP Subscription New or Current Service Provider
subscriptionNewCurrentSP ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.ServiceProvId;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR subscriptionNewCurrentSPBehavior;
<pre>REGISTERED AS {LNP-OIDS.lnp-attribute 83};</pre>
subscriptionNewCurrentSPBehavior BEHAVIOUR
DEFINED AS !
This attribute is used to specify the subscription New or Current
Service Provider for a subscription version.
Service riovider for a subscription version.
This attribute is also used to store the new service provider
for an old SP concurrence request notification in a log record.
84.0 LNP Subscription New Service Provider Cancellation Time Stamp
subscriptionNewSP-CancellationTimeStamp ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR subscriptionNewSP-CancellationTimeStampBehavior;
<pre>REGISTERED AS {LNP-OIDS.lnp-attribute 84};</pre>
subscriptionNewSP-CancellationTimeStampBehavior BEHAVIOUR
DEFINED AS !
This attribute is used to specify the subscription cancellation
<u>concurrence time stamp for the subscription in a</u>
cancel-pending state. This value is specified by the
concurrence of the new service provider.
<u>!;</u>
85.0 LNP Subscription New Service Provider Conflict Resolution Time Stamp
aubaarintianNeuCD ConflictDecelutionTimeCtorn ATTRIDUTE
subscriptionNewSP-ConflictResolutionTimeStamp ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR subscriptionNewSP-ConflictResolutionTimeStampBehavior;
<pre>REGISTERED AS {LNP-OIDS.lnp-attribute 85};</pre>
subscriptionNewSP-ConflictResolutionTimeStampBehavior BEHAVIOUR
DEFINED AS !
This attribute is used to specify when the subscription
version was removed from conflict by the new service provider.

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86.0 LNP Subscription New Service Provider Creation Time Stamp
subscriptionNewSP-CreationTimeStamp ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR subscriptionNewSP-CreationTimeStampBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 86};
REGISTERED AS {ENF-OIDS.INP-acclibute 00},
subscriptionNewSP-CreationTimeStampBehavior BEHAVIOUR
DEFINED AS !
This attribute is used to specify the time stamp of when
the new service provider creates the cutover for the
<u>subscription from the old service provider. This timestamp is set</u> by the NPAC SMS when the new service provider sends its create
request.
<u>This attribute is also used to store the new service provider</u>
creation time stamp for an old SP concurrence request notification
<u>in a log record.</u>
87.0 LNP Subscription New Service Provider Activation Due Date
subscriptionNewSP-DueDate ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR subscriptionNewSP-DueDateBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 87};
subscriptionNewSP-DueDateBehavior BEHAVIOUR
DEFINED AS !
This attribute is used to specify the subscription due
<u>date and time for the subscription when they are being ported to</u> <u>a new service provider.</u> This value is specified by the new service
a new service provider. This value is specified by the new service provider.
If not specified, the time defaults to 00:00.00.
The seconds field should always be populated with zeros for
wireless ports. The NPAC SMS will not edit for compliance.
88.0 LNP Subscription Old Service Provider
subscriptionOldSP ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.ServiceProvId;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR subscriptionOldSPBehavior;
<pre>REGISTERED AS {LNP-OIDS.lnp-attribute 88};</pre>
subscriptionOldSPBehavior BEHAVIOUR
DEFINED AS !
This attribute is used to specify the subscription Old
Service Provider for a subscription version.
This attribute is also used to store the old service provider id

## !;

for a new service provider create request notification in a
log record.
<u>!;</u>
89.0 LNP Subscription Old Service Provider Authorization
subscriptionOldSP-Authorization ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.ServiceProvAuthorization;
MATCHES FOR EQUALITY;
BEHAVIOUR subscriptionOldSP-AuthorizationBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 89};
subscriptionOldSP-AuthorizationBehavior BEHAVIOUR
DEFINED AS !
This attribute is used to indicate the old service
provider authorization or denial of cutover for the subscription
to the new service provider.
This attribute is also used to store the old service provider
authorization for a new service provider create request
notification in a log record.
<u></u>
90.0 LNP Subscription Old Service Provider Authorization Time Stamp
subscriptionOldSP-AuthorizationTimeStamp ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR subscriptionOldSP-AuthorizationTimeStampBehavior;
<pre>REGISTERED AS {LNP-OIDS.lnp-attribute 90};</pre>
<u>subscriptionOldSP-AuthorizationTimeStampBehavior BEHAVIOUR</u>
DEFINED AS !
This attribute is used to specify the time stamp of when
the old service provider authorizes or denies the cutover for the
subscription to the new service provider. This timestamp is set
by the NPAC SMS when the old service provider sends its create
request or modifies the authorization information for
activation.
This attribute is also used to store the old correige provider
This attribute is also used to store the old service provider
authorization timestamp for an old service provider concurrence
request notification in a log record.
<u>!;</u>
91.0 LNP Subscription Old Service Provider Cancellation Time Stamp
subscriptionOldSP-CancellationTimeStamp_ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR subscriptionOldSP-CancellationTimeStampBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 91};
subscriptionOldSP-CancellationTimeStampBehavior BEHAVIOUR
DEFINED AS !
This attribute is used to specify the subscription cancellation
time stamp for the subscription version. This value is set by
the NPAC SMS.

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92.0 LNP Subscription Old Service Provider Conflict Resolution Time Stamp
92.0 htt Subscription of Service Flovider conflict Resolution fille Stamp
subscriptionOldSP-ConflictResolutionTimeStamp_ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR subscriptionOldSP-ConflictResolutionTimeStampBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 92};
subscriptionOldSP-ConflictResolutionTimeStampBehavior BEHAVIOUR
DEFINED AS !
This attribute is used to specify when the subscription
version was removed from conflict by the old service provider.
<u>;</u>
93.0 LNP Subscription Old Service Provider Cutover Due Date
subscriptionOldSP-DueDate ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR subscriptionOldSP-DueDateBehavior;
<pre>REGISTERED AS {LNP-OIDS.lnp-attribute 93};</pre>
subscriptionOldSP-DueDateBehavior BEHAVIOUR
DEFINED AS !
This attribute is used to specify the subscription due
date and time for the subscription when they are being ported to a new
service provider from an old service provider. This value
is specified by the old service provider.
IS specified by the ord service provider.
The time if not specified with the date is defaulted to 00:00.00.
The seconds field should always be populated with zeros for
wireless ports. The NPAC SMS will not edit for compliance.
94.0 LNP Subscription Old Time Stamp
94.0 LNP Subscription Old Time Stamp
subscriptionOldTimeStamp ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime;
MATCHES FOR EQUALITY, ORDERING;
<u>BEHAVIOUR subscriptionOldTimeStampBehavior;</u>
REGISTERED AS {LNP-OIDS.lnp-attribute 94};
subscriptionOldTimeStampBehavior BEHAVIOUR
DEFINED AS !
This attribute is used to specify the old time
stamp for the subscription version. This field is only valid
if the subscription version status is old.
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95.0 LNP Subscription Porting To Original SP Switch
subscriptionPortingToOriginal-SPSwitch ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.SubscriptionPortingToOriginal-SPSwitch;
MATCHES FOR EQUALITY;

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BEHAVIOUR subscriptionPortingToOriginal-SPSwitchBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 95};
subscriptionPortingToOriginal-SPSwitchBehavior BEHAVIOUR
DEFINED AS !
This attribute is used to specify that the subscription version
created is to be to ported back to the original service
provider switch.
<u>1;</u>
96.0 LNP Subscription Pre-Cancellation Status
subscriptionPreCancellationStatus ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.SubscriptionPreCancellationStatus;
MATCHES FOR EQUALITY;
BEHAVIOUR subscriptionPreCancellationStatusBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 96};
subscriptionPreCancellationStatusBehavior BEHAVIOUR
DEFINED AS !
This attribute is used to specify the previous status of a
canceled subscription version.
<u>!;</u>
97.0 LNP Subscription Version TN
97.0 LNP Subscription version in
subscriptionTN ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.PhoneNumber;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR subscriptionTN-Behavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 97};
REGISTERED AS {LNP-OIDS.INP-attribute 97};
subscriptionTN-Behavior BEHAVIOUR
DEFINED AS !
This attribute is used to specify the subscription version TN .
This attribute is also used to store the subscription version TN
for a new SP create request and a old service provider concurrence
request notification in a log record.
98.0 LNP Subscription Version Attribute Value Change Information
subscriptionVersionAttributeValueChangeInfo ATTRIBUTE
WITH ATTRIBUTE SYNTAX Notification-ASN1Module.AttributeValueChangeInfo;
MATCHES FOR EQUALITY;
BEHAVIOUR subscriptionVersionAttributeValueChangeInfoBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 98};
subscriptionVersionAttributeValueChangeInfoBehavior BEHAVIOUR
DEFINED AS !
<u>This attribute is used to store the attribute value change</u>
information for a subscription version or number pool block
status attribute value change notification in a log record.
<u></u>
00.0 IND Outpermintion Monster Id
99.0 LNP Subscription Version Id

subscriptionVersionId ATTRIBUTE	
WITH ATTRIBUTE SYNTAX LNP-ASN1.SubscriptionVersionId;	
MATCHES FOR EQUALITY, ORDERING;	
BEHAVIOUR subscriptionVersionIdBehavior;	
REGISTERED AS {LNP-OIDS.lnp-attribute 99};	
REGISTERED AS {LNP-OIDS.IND-attribute 39};	
subscriptionVersionIdBehavior BEHAVIOUR	
DEFINED AS !	
This attribute provides an identifier for the	
InpSubscriptions and subscriptionVersion objects. The	
<u>NPAC SMS determines the value for this attribute.</u>	
The NPAC SMS currently uses a 32-bit signed integer for the	3
Naming ID Value. The maximum value is ([2**31] - 1) or 2.1	 L4B.
It is anticipated that all Service Providers will be able t	
successfully handle Naming ID Values up to this maximum.	
Subcosturi, manaro maning is taraco ap co ento manimum.	
This attribute is also used to store the subscription vers	ion Id
in notification log records.	
<u>!:</u>	
100.0 LNP Subscription Version Status	
subscriptionVersionStatus ATTRIBUTE	
WITH ATTRIBUTE SYNTAX LNP-ASN1.VersionStatus;	
MATCHES FOR EQUALITY;	
BEHAVIOUR subscriptionVersionStatusBehavior;	
REGISTERED AS {LNP-OIDS.lnp-attribute 100};	
subscriptionVersionStatusBehavior BEHAVIOUR	
DEFINED AS !	
This attribute is used to specify the status of the	
subscription version. Valid values are pending,	
<u>conflict</u> , sending, active, failed, partial failure, old,	
canceled, disconnect-pending, and cancel-pending.	
<u>!:</u>	
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101.0 LNP LSMS Filter NPA-NXX ID	
<u>lsmsFilterNPA-NXX-ID ATTRIBUTE</u>	
WITH ATTRIBUTE SYNTAX LNP-ASN1.NPA-NXX-ID;	
MATCHES FOR EQUALITY;	
BEHAVIOUR lsmsFilterNPA-NXX-ID-Behavior;	
<pre>REGISTERED AS {LNP-OIDS.lnp-attribute 101};</pre>	
lsmsFilterNPA-NXX-ID-Behavior BEHAVIOUR	
DEFINED AS !	
This attribute provides an identifier for the	
lsmsFilterNPA-NXX object. The NPAC SMS determines the value	10
for this attribute.	
The NDAC (MC engrandly used a 20 bit signed into a sta	_
The NPAC SMS currently uses a 32-bit signed integer for the	
Naming ID Value. The maximum value is ([2**31] - 1) or 2.2	
It is anticipated that all Service Providers will be able t	20
successfully handle Naming ID Values up to this maximum.	
<u>!;</u>	

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102.0 LNP LSMS Filter NPA-NXX Value	
<u>lsmsFilterNPA-NXX-Value ATTRIBUTE</u>	
WITH ATTRIBUTE SYNTAX LNP-ASN1.NPA-NXX; MATCHES FOR EQUALITY;	
BEHAVIOUR lsmsFilterNPA-NXX-ValueBehavior;	
REGISTERED AS {LNP-OIDS.lnp-attribute 102};	
lsmsFilterNPA-NXX-ValueBehavior BEHAVIOUR	
DEFINED AS !	
This attribute is used to specify a portable NPA-NXX valu	le.
<u>.;</u>	
103.0 LNP Subscription Status Change Cause Code	
subscriptionStatusChangeCauseCode ATTRIBUTE	
WITH ATTRIBUTE SYNTAX LNP-ASN1.SubscriptionStatusChangeCauseC	lode;
MATCHES FOR EQUALITY;	
BEHAVIOUR subscriptionStatusChangeCauseCodeBehavior;	
<pre>REGISTERED AS {LNP-OIDS.lnp-attribute 103};</pre>	
subscriptionStatusChangeCauseCodeBehavior BEHAVIOUR	
DEFINED AS !	
This attribute is used to indicate the reason for putting	<u>a</u>
subscription version into conflict.	
<u>!;</u>	
104.0 LNP Service Provider Security Address	
serviceProvSecurityAddress ATTRIBUTE	
WITH ATTRIBUTE SYNTAX LNP-ASN1.AddressInformation;	
MATCHES FOR EQUALITY, ORDERING;	
BEHAVIOUR serviceProvSecurityAddressBehavior;	
REGISTERED AS {LNP-OIDS.lnp-attribute 104};	
serviceProvSecurityAddressBehavior BEHAVIOUR	
DEFINED AS !	
This attribute is used to specify the security contact in	formation
for a service provider.	
<u> </u>	
·/	
105.0 LNP NPAC Association User Info	
npacAssociationUserInfo ATTRIBUTE	
WITH ATTRIBUTE SYNTAX LNP-ASN1.NpacAssociationUserInfo;	
MATCHES FOR EQUALITY;	
BEHAVIOUR npacAssociationUserInfoBehavior;	
REGISTERED AS {LNP-OIDS.lnp-attribute 105};	
npacAssociationUserInfoBehavior BEHAVIOUR	
DEFINED AS !	
This attribute is used to report the status of a login at	tempt or
the current state of the NPAC SMS.	
<u>.;</u>	
<u> 106.0 LNP SOA Name</u>	

lnpSOA-Name ATTRIBUTE

WITH ATTRIBUTE SYNTAX LNP-ASN1.LnpSMS-Name;
MATCHES FOR EQUALITY;
BEHAVIOUR lnpSOA-NameBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 106};
lnpSOA-NameBehavior BEHAVIOUR
DEFINED AS !
This attribute provides an identifier for the lnpSOA
object. The valid value is the service provider id of the
SOA followed by a dash and then the region name of the
NPAC-SMS specified in the lnpNPAC-SMS-Name for the SOA to
NPAC SMS Interface. For example, if the region name is
"Midwest Regional NPAC SMS" and the service provider id is "1234",
the lnpSOA-Name would be "1234-Midwest Regional NPAC SMS".
<u>!;</u>
107.0 Subscription Version Timer Type
subscriptionTimerType ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.Integer;
MATCHES FOR EQUALITY;
BEHAVIOUR subscriptionTimerTypeBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 107};
<u>REGISTERED AS (ENF-OIDS, INP-acclibuce 107),</u>
subscriptionTimerTypeBehavior BEHAVIOUR
DEFINED AS !
This attribute is used to specify the subscription version
timer type being used to set tunable timers.
<u> </u>
<u>0 for long timers (used primarily for wireline to wireline)</u>
<u>1 for short timers (anticipated use for wireless to wireless)</u>
Long timers (0) is set if any of the two service providers
supports only long timers.
<u>!;</u>
108.0 Subscription Version Business Type
<u>100.0 Subscription version business type</u>
subscriptionBusinessType ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.Integer;
MATCHES FOR EQUALITY;
<pre>BEHAVIOUR subscriptionTimerTypeBehavior;</pre>
<pre>REGISTERED AS {LNP-OIDS.lnp-attribute 108};</pre>
<u>subscriptionBusinessTypeBehavior_BEHAVIOUR</u>
DEFINED AS !
This attribute is used to specify the subscription version
business hours/days type being used to set tunable timers.
Current valid values are:
0 for short business hours/days
(used primarily for wireline to wireline)
<u> </u>
(anticipated use for wireless to wireless)
Short business hours (0) is set if any of the two
service providers supports only short business hours.

<u>!;</u>
109.0 Subscription Version WSMSC Destination Point Code
<u>subscriptionWSMSC-DPC ATTRIBUTE</u> <u>WITH ATTRIBUTE SYNTAX LNP-ASN1.DPC;</u> <u>MATCHES FOR EQUALITY, ORDERING;</u> <u>BEHAVIOUR subscriptionWSMSC-DPCBehavior;</u> <u>REGISTERED AS {LNP-OIDS.lnp-attribute 109};</u>
<u>subscriptionWSMSC-DPCBehavior BEHAVIOUR</u> <u>DEFINED AS !</u> This attribute is used to specify the subscription version WSMSC Destination Point Code.
The data is stored in BCD (e.g. a value of FFFFFF would be displayed as 255.255.255). !;
110.0 LNP Subscription Version WSMSC SSN
<pre>subscriptionWSMSC-SSN ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.SSN; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR subscriptionWSMSC-SSN-Behavior; REGISTERED AS {LNP-OIDS.lnp-attribute 110};</pre>
<pre>subscriptionWSMSC-SSN-Behavior BEHAVIOUR DEFINED AS ! This attribute is used to specify the subscription version WSMSC SSN. !;</pre>
111.0 LNP Number Pool Block Activation TimeStamp
<pre>numberPoolBlockActivationTimeStamp ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR numberPoolBlockActivationTimeStampBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 111};</pre>
<pre>numberPoolBlockActivationTimeStampBehavior BEHAVIOUR DEFINED AS ! This attribute defines the current date and time when the create request is received for the number pool block. !;</pre>
112.0 LNP Number Pool Block Broadcast TimeStamp
numberPoolBlockBroadcastTimeStamp ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR numberPoolBlockBroadcastTimeStampBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 112};
numberPoolBlockBroadcastTimeStampBehavior BEHAVIOUR

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DEFINED AS !
This attribute defines the date and time when the NPAC starts any
broadcast of the number pool block to the LSMSs.
113.0 LNP Number Pool Block Creation TimeStamp
numberPoolBlockCreationTimeStamp ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR numberPoolBlockCreationTimeStampBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 113};
numberPoolBlockCreationTimeStampBehavior BEHAVIOUR
DEFINED AS !
This attribute defines the date and time of the number pool block
creation.
<u>!;</u>
114.0 LNP Number Pool block Class Destination Point Code
numberPoolBlockCLASS-DPC ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.DPC;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR numberPoolBlockCLASS-DPCBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 114};
numberPoolBlockCLASS-DPCBehavior BEHAVIOUR
DEFINED AS !
This attribute is used to specify the numberPoolBlock
CLASS Destination Point Code.
The data is stored in BCD (e.g. a value of FFFFFF would be displayed as 255.255.255). The valid octet values on the NPAC SMS are 000-255.
<u>1;</u>
115.0 LNP Number Pool Block Class SSN
numberPoolBlockCLASS-SSN ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.SSN;
MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR numberPoolBlockCLASS-SSN-Behavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 115};
numberPoolBlockCLASS-SSN-Behavior BEHAVIOUR
DEFINED AS !
This attribute is used to specify the numberPoolBlock
CLASS SSN. The valid values on the NPAC SMS are 0-255.
116.0 LNP Number Pool Block CNAM Destination Point Code
numberPoolBlockCNAM-DPC ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.DPC;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR numberPoolBlockCNAM-DPC-Behavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 116};

<u>numberPoolBlockCNAM-DPC-Behavior_BEHAVIOUR</u>
DEFINED AS !
This attribute is used to specify the CNAM Destination Point
Code for the numberPoolBlock.
The data is stored in BCD (e.g. a value of FFFFFF would be displayed
as 255.255.255). The valid octet values on the NPAC SMS are 000-255.
<u>1;</u>
117 O IND Numbers Deel Dieck CNAM CON
117.0 LNP Number Pool Block CNAM SSN
numberPoolBlockCNAM-SSN ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.SSN;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR numberPoolBlockCNAM-SSN-Behavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 117};
REGISTERED AS {LNF-OIDS.INP-accribute 117};
numberPoolBlockCNAM-SSN-Behavior BEHAVIOUR
DEFINED AS !
This attribute is used to specify the CNAM SSN
value for the numberPoolBlock. The valid values on the
NPAC SMS are 0-255.
<u>1;</u>
110 0 IND Number Deel Disch Disconnect Complete Directory
<u> 118.0 LNP Number Pool Block Disconnect Complete TimeStamp</u>
numberPoolBlockDisconnectCompleteTimeStamp ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR numberPoolBlockDisconnectCompleteTimeStampBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 118};
numberPoolBlockDisconnectCompleteTimeStampBehavior BEHAVIOUR
DEFINED AS !
This attribute defines the date and time the disconnect broadcast
of the number pool block is complete to the LSMSs. This is set
once the first successful response is received for the number pool
block or corresponding subscription version with LNP type equal
to 'pool'.
<u>!;</u>
119.0 LNP Number Pool Block Data Download Reason
III. Mulliber FOOT BLOCK Data DownFoad Reason
numberPoolBlockDownloadReason ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.DownloadReason;
MATCHES FOR EQUALITY;
BEHAVIOUR numberPoolBlockDownloadReasonBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 119};
numberPoolBlockDownloadReasonBehavior BEHAVIOUR
DEFINED AS !
This attribute is used to specify the reason the number pool block was
downloaded to the Local SMS from NPAC SMS. This attribute only
has meaning in objects instantiated on the Local SMS.
1;
100 0 IND Number Deel Dieck Beiled Country Duraiden Tiet
120.0 LNP Number Pool Block Failed Service Provider List

numberPoolBlockFailed-SP-List ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.Failed-SP-List;
MATCHES FOR EQUALITY;
BEHAVIOUR numberPoolBlockFailed-SP-ListBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 120};
numberPoolBlockFailed-SP-ListBehavior BEHAVIOUR
DEFINED AS !
This attribute is used to store the failed service providers after
a subscription version and/or number pool block broadcast results in a
failure to one or more Local SMSs for a subscription version with
LNP type equal to 'pool' and/or number pool block.
<u>A numberPoolBlockFailed-SP-List reflects the EDR service</u>
providers who failed to receive the number pool block and any non-EDR
service provider who failed to receive the corresponding subscription
versions of LNP type equal to 'pool'.
<u>!;</u>
121.0 LNP Number Pool Block Service Provider ID
numberPoolBlockHolderSPID ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.ServiceProvId;
MATCHES FOR EQUALITY;
BEHAVIOUR numberPoolBlockHolderSPIDBehavior;
<pre>REGISTERED AS {LNP-OIDS.lnp-attribute 121};</pre>
numberPoolBlockHolderSPIDBehavior BEHAVIOUR
DEFINED AS !
This attribute defines the service provider ID of the block holder.
<u>!;</u>
122.0 LNP Number Pool Block Id
numberPoolBlockId ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.BlockId;
MATCHES FOR EQUALITY;
BEHAVIOUR numberPoolBlockIdBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 122};
numberPoolBlockIdBehavior BEHAVIOUR
DEFINED AS !
This attribute provides an identifier for the
numberPoolBlock object. The NPAC SMS determines the value
for this attribute.
The NPAC SMS currently uses a 32-bit signed integer for the
Naming ID Value. The maximum value is ([2**31] - 1) or 2.14B.
It is anticipated that all Service Providers will be able to
successfully handle Naming ID Values up to this maximum.
<u>!;</u>
123.0 LNP Number Pool Block ISVM Destination Point Code
numberPoolBlockISVM-DPC ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.DPC;
MATCHES FOR EQUALITY, ORDERING;

	mare
BEHAVIOUR numberPoolBlockISVM-DPC-Behavior; REGISTERED AS {LNP-OIDS.lnp-attribute 123};	
numberPoolBlockISVM-DPC-Behavior BEHAVIOUR DEFINED AS !	
This attribute is used to specify the ISVM Destination Point Code for the numberPoolBlock.	
The data is stored in BCD (e.g. a value of FFFFFF would be displayed as 255.255.255). The valid octet values on the NPAC SMS are 000-255.	
<u></u>	
124.0 LNP Number Pool Block ISVM SSN	
numberPoolBlockISVM-SSN ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.SSN; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR numberPoolBlockISVM-SSN-Behavior; REGISTERED AS {LNP-OIDS.lnp-attribute 124};	
numberPoolBlockISVM-SSN-Behavior BEHAVIOUR DEFINED AS ! This attribute is used to specify the ISVM SSN value for the numberPoolBlock. The valid values on the NPAC SMS are 0-255. !;	
125.0 LNP Number Pool Block LIDB Destination Point Code	
numberPoolBlockLIDB-DPC ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.DPC; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR numberPoolBlockLIDB-DPC-Behavior; REGISTERED AS {LNP-OIDS.lnp-attribute 125};	
numberPoolBlockLIDB-DPC-Behavior BEHAVIOUR DEFINED AS ! This attribute is used to specify the LIDB Destination Point Code for the numberPoolBlock.	
The data is stored in BCD (e.g. a value of FFFFFF would be displayed as 255.255.255). The valid octet on the NPAC SMS are 000 255. !;	Ξ
126.0 LNP Number Pool Block LIDB SSN	
numberPoolBlockLIDB-SSN ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.SSN; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR numberPoolBlockLIDB-SSN-Behavior; REGISTERED AS {LNP-OIDS.lnp-attribute 126};	
numberPoolBlockLIDB-SSN-Behavior BEHAVIOUR DEFINED AS ! This attribute is used to specify the LIDB SSN value for the numberPoolBlock. The valid values on the	

	GDMO Deminions
NPAC SMS are 0-255.	
127.0 LNP Number Pool Block LRN	
numberPoolBlockLRN ATTRIBUTE	
WITH ATTRIBUTE SYNTAX LNP-ASN1.LRN;	
MATCHES FOR EQUALITY, ORDERING;	
BEHAVIOUR numberPoolBlockLRNBehavior;	
REGISTERED AS {LNP-OIDS.lnp-attribute 127};	
numberPoolBlockLRNBehavior BEHAVIOUR	
DEFINED AS !	
This attribute is used to specify the numberPoolBlock LR	V
for a numberPoolBlock.	-
The data is stored as packed decimal. For example, if the	<u>e octets</u>
contained 01 23 45 67 89 then the LRN value would be disp	played
as 0123456789).	
<u>!;</u>	
128.0 LNP Number Pool Block Last Modified TimeStamp	
numberPoolBlockModifiedTimeStamp ATTRIBUTE	
WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime;	
MATCHES FOR EQUALITY, ORDERING;	
BEHAVIOUR numberPoolBlockModifiedTimeStampBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 128};	
REGISTERED AS {EMP-OIDS.IND-attribute 120},	
numberPoolBlockModifiedTimeStampBehavior BEHAVIOUR	
DEFINED AS !	
This attribute defines the date and time of the last	
modification to the numberPoolBlock object.	
<u>!;</u>	
129.0 LNP Number Pool Block SOA Origination	
numberPoolBlockSOA-Origination ATTRIBUTE	
WITH ATTRIBUTE SYNTAX LNP-ASN1.Boolean;	
MATCHES FOR EQUALITY;	
BEHAVIOUR numberPoolBlockSOA-OriginationBehavior;	
REGISTERED AS {LNP-OIDS.lnp-attribute 129};	
numberPoolBlockSOA-OriginationBehavior BEHAVIOUR	
DEFINED AS !	
This boolean value indicates whether or not the service p	provider's
SOA initiated the block over the SOA to NPAC SMS interfac	
the SOA will receive notifications for this object.	
This attribute will be set by the NPAC SMS at the time of	<u>f block</u>
creation and can be updated only by NPAC SMS personnel.	
<u>!;</u>	
130.0 LNP Number Pool Block NPA-NXX-X	
numberPoolBlockNPA-NXX-X ATTRIBUTE	
WITH ATTRIBUTE SYNTAX LNP-ASN1.NPA-NXX-X;	

MATCHES FOR EQUALITY, ORDERING;

GDMO Definitio
BEHAVIOUR numberPoolBlockNPA-NXX-X-Behavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 130};
REGISTERED AS {ENF-OIDS.INP-attribute 150},
numberPoolBlockNPA-NXX-X-Behavior BEHAVIOUR
DEFINED AS !
This attribute is used to specify the number pool block NPA-NXX-X
value.
<u>!;</u>
131.0 LNP Number Pool Block Status
numberPoolBlockStatus ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.BlockStatus;
MATCHES FOR EQUALITY;
BEHAVIOUR numberPoolBlockStatusBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 131};
REGISTERED AS {LNP-OIDS.IND-attribute ISI};
numberPoolBlockStatusBehavior BEHAVIOUR
DEFINED AS !
This attribute is used to specify the status of the
number pool block object. Valid values are
<pre>active(A), sending(S), failed(F), partial failure(PF) and old(O).</pre>
<u>!;</u>
132.0 LNP Number Pool Block WSMSC Destination Point Code
numberPoolBlockWSMSC-DPC ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.DPC;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR numberPoolBlockWSMSC-DPC-Behavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 132};
REGISTERED AS {ENP-OIDS.INP-attribute 1527,
numberPoolBlockWSMSC-DPC-Behavior BEHAVIOUR
DEFINED AS !
This attribute is used to specify the WSMSC Destination Point
<u>Code for the numberPoolBlock.</u>
The data is stored in BCD (e.g. a value of FFFFFF would be
displayed as 255.255.255). The valid octet on the NPAC SMS are 000-
255.
<u>!;</u>
133.0 LNP Number Pool Block WSMSC SSN
numberPoolBlockWSMSC-SSN ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.SSN;
<u>MATCHES FOR EQUALITY, ORDERING;</u>
BEHAVIOUR numberPoolBlockWSMSC-SSN-Behavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 133};
numberPoolBlockWSMSC-SSN-Behavior BEHAVIOUR
DEFINED AS !
This attribute is used to specify the WSMSC SSN
value for the numberPoolBlock. The valid values on the
NPAC SMS are 0-255.
<u>!;</u>
134.0 LNP Service Provider NPA-NXX-X Creation Timestamp

GDMO Definitions
serviceProvNPA-NXX-X-CreationTimeStamp ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR serviceProvNPA-NXX-X-CreationTimeStampBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 134};
serviceProvNPA-NXX-X-CreationTimeStampBehavior BEHAVIOUR
DEFINED AS !
This attribute provides the date and time the
serviceProvNPA-NXX-X object was created on the NPAC SMS.
<u>.;</u>
135.0 LNP Service Provider NPA-NXX-X Data Download Reason
serviceProvNPA-NXX-X-DownloadReason ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.DownloadReason;
MATCHES FOR EQUALITY;
BEHAVIOUR serviceProvNPA-NXX-X-DownloadReasonBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 135};
CONTRACTOR NYY Y DOUR LOOD CORDONATION DENNYTOND
serviceProvNPA-NXX-X-DownloadReasonBehavior BEHAVIOUR
DEFINED AS !
This attribute is used to specify the reason the serviceProvNPA-NXX-X
was downloaded to the Local SMS from NPAC SMS. This attribute only
has meaning in objects instantiated on the Local SMS.
<u>!;</u>
136.0 LNP Service Provider NPA-NXX-X Effective Timestamp
serviceProvNPA-NXX-X-EffectiveTimeStamp_ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR serviceProvNPA-NXX-X-EffectiveTimeStampBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 136};
serviceProvNPA-NXX-X-EffectiveTimeStampBehavior BEHAVIOUR
DEFINED AS !
This attribute provides the date and time the block holder service
provider assumes responsibility for the TN-Range of the NPA-NXX-X.
The time portion of the timestamp is always set to 00:00:00.
<u>!;</u>
137.0 LNP Service Provider NPA-NXX-X ID
IJ7.0 DAT BETVICE HOVIACE ATA AAA A IB
serviceProvNPA-NXX-X-ID ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.NPA-NXX-X-ID;
MATCHES FOR EQUALITY;
BEHAVIOUR serviceProvNPA-NXX-X-ID-Behavior;
BEHAVIOUR SERVICEPIOVNPA-NAX-X-ID-BEHAVIOI; REGISTERED AS {LNP-OIDS.lnp-attribute 137};
<u>REGISTERED AS {LNP-OIDS.INP-acclibuce is7}</u>
serviceProvNPA-NXX-X-ID-Behavior BEHAVIOUR
DEFINED AS !
This attribute provides an identifier for the
serviceProvNPA-NXX-X object.
The NDAC CMC encounting and a 20 bit simelister of the
The NPAC SMS currently uses a 32-bit signed integer for the
Naming ID Value. The maximum value is ([2**31] - 1) or 2.14B.
It is anticipated that all Service Providers will be able to

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successfully handle Naming ID Values up to this maximum.
<u>!;</u>
138.0 LNP Service Provider NPA-NXX-X Modified Timestamp
<u>serviceProvNPA-NXX-X-ModifiedTimeStamp ATTRIBUTE</u>
WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR serviceProvNPA-NXX-X-ModifiedTimeStampBehavior;
<pre>REGISTERED AS {LNP-OIDS.lnp-attribute 138};</pre>
<u>serviceProvNPA-NXX-X-ModifiedTimeStampBehavior BEHAVIOUR</u>
<u>defined as !</u>
This attribute provides the date and time the
serviceProvNPA-NXX-X object was last modified on the NPAC SMS.
<u>!;</u>
<u> 139.0 LNP Service Provider NPA-NXX-X Value</u>
<u>serviceProvNPA-NXX-X-Value ATTRIBUTE</u>
WITH ATTRIBUTE SYNTAX LNP-ASN1.NPA-NXX-X;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR serviceProvNPA-NXX-X-Value-Behavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 139};
<u>serviceProvNPA-NXX-X-Value-Behavior BEHAVIOUR</u>
DEFINED AS !
This attribute is used to specify the service provider NPA-NXX-X
value.

<u>!;</u>

## 6.5 Package Definitions

-- 1.0 LNP Download Package

lnpDownloadPkg PACKAGE

BEHAVIOUR lnpDownloadPkqBehavior; ACTIONS

lnpDownload;

REGISTERED AS {LNP-OIDS.lnp-package 1};

lnpDownloadPkgBehavior BEHAVIOUR DEFINED AS ! This package provides for conditionally including the lnpDownload action.

!;

-- 2.0 LNP Recovery Complete Package

lnpRecoveryCompletePkg PACKAGE
BEHAVIOUR lnpRecoveryCompletePkgBehavior;
ACTIONS
lnpRecoveryComplete;
REGISTERED AS {LNP-OIDS.lnp-package 2};

lnpRecoveryCompletePkgBehavior BEHAVIOUR

DEFINED AS !
This package provides for conditionally including the
<pre>lnpRecoveryCompletePkg action.</pre>
<u>;</u>
3.0 LNP Service Provider Billing Address Package
serviceProvBillingAddressPkg_PACKAGE
BEHAVIOUR serviceProvBillingAddressPkgBehavior;
ATTRIBUTES
serviceProvBillingAddress GET-REPLACE;
REGISTERED AS {LNP-OIDS.lnp-package 3};
serviceProvBillingAddressPkgBehavior BEHAVIOUR
DEFINED AS !
This package provides for conditionally including the
<pre>serviceProvBillingAddress attribute.</pre>
<u>;</u>
4.0 LNP Service Provider Conflict Address Package
serviceProvConflictAddressPkg PACKAGE
BEHAVIOUR serviceProvConflictAddressPkgBehavior;
ATTRIBUTES
<pre>serviceProvConflictAddress GET-REPLACE;</pre>
REGISTERED AS {LNP-OIDS.lnp-package 4};
sorviceProvConflictAddressPkgPebauier_PFUAULOUP
serviceProvConflictAddressPkgBehavior BEHAVIOUR
DEFINED AS !
<u>This package provides for conditionally including the</u>
serviceProvConflictAddress attribute.
<u>;</u>
5.0 LNP Service Provider LSMS Address Package
serviceProvLSMS-AddressPkg PACKAGE
BEHAVIOUR serviceProvLSMS-AddressPkgBehavior;
ATTRIBUTES
serviceProvLSMS-Address GET-REPLACE;
REGISTERED AS {LNP-OIDS.lnp-package 5};
serviceProvLSMS-AddressPkgBehavior BEHAVIOUR
DEFINED AS !
This package provides for conditionally including the
serviceProvLSMS-Address attribute.
<u>!;</u>
6.0 LNP Service Provider Net Address Package
serviceProvNetAddressPkg PACKAGE
BEHAVIOUR serviceProvNetAddressPkgBehavior;
ATTRIBUTES
<pre>serviceProvNetAddress GET-REPLACE;</pre>
<pre>REGISTERED AS {LNP-OIDS.lnp-package 6};</pre>
serviceProvNetAddressPkgBehavior BEHAVIOUR
DEFINED AS !

This package provides for conditionally including the
Whis package provides for conditionally including the
serviceProvNetAddress attribute.
<u>!;</u>
7.0 LNP Service Provider Operations Address Package
<u>serviceProvOperationsAddressPkg_PACKAGE</u>
BEHAVIOUR serviceProvOperationsAddressPkgBehavior;
ATTRIBUTES
serviceProvOperationsAddress GET-REPLACE;
<u>REGISTERED AS {LNP-OIDS.lnp-package 7};</u>
<u>serviceProvOperationsAddressPkgBehavior_BEHAVIOUR</u>
DEFINED AS !
This package provides for conditionally including the
<u>serviceProvOperationsAddress</u> attribute.
!;
8.0 LNP Service Provider Repair Center Info Package
<u>serviceProvRepairCenterInfoPkg_PACKAGE</u>
BEHAVIOUR serviceProvRepairCenterInfoPkgBehavior;
ATTRIBUTES
serviceProvRepairCenterInfo GET-REPLACE;
REGISTERED AS {LNP-OIDS.lnp-package 8};
<u>serviceProvRepairCenterInfoPkqBehavior_BEHAVIOUR</u>
DEFINED AS !
This package provides for conditionally including the
serviceProvRepairCenterInfo attribute.
<u>!;</u>
9 0 LNP Service Provider SOA Address Package
9.0 LNP Service Provider SOA Address Package
9.0 LNP Service Provider SOA Address Package
9.0 LNP Service Provider SOA Address Package
serviceProvSOA-AddressPkg PACKAGE
serviceProvSOA-AddressPkg PACKAGE BEHAVIOUR serviceProvSOA-AddressPkgBehavior;
serviceProvSOA-AddressPkg PACKAGE
<pre>serviceProvSOA-AddressPkg PACKAGE BEHAVIOUR serviceProvSOA-AddressPkgBehavior; ATTRIBUTES</pre>
serviceProvSOA-AddressPkg PACKAGE BEHAVIOUR serviceProvSOA-AddressPkgBehavior; ATTRIBUTES serviceProvSOA-Address GET-REPLACE;
<pre>serviceProvSOA-AddressPkg PACKAGE BEHAVIOUR serviceProvSOA-AddressPkgBehavior; ATTRIBUTES</pre>
serviceProvSOA-AddressPkg PACKAGE BEHAVIOUR serviceProvSOA-AddressPkgBehavior; ATTRIBUTES serviceProvSOA-Address GET-REPLACE;
<pre>serviceProvSOA-AddressPkg PACKAGE BEHAVIOUR serviceProvSOA-AddressPkgBehavior; ATTRIBUTES serviceProvSOA-Address GET-REPLACE; REGISTERED AS {LNP-OIDS.lnp-package 9};</pre>
<pre>serviceProvSOA-AddressPkg PACKAGE BEHAVIOUR serviceProvSOA-AddressPkgBehavior; ATTRIBUTES serviceProvSOA-Address GET-REPLACE; REGISTERED AS {LNP-OIDS.lnp-package 9}; serviceProvSOA-AddressPkgBehavior BEHAVIOUR</pre>
<pre>serviceProvSOA-AddressPkg PACKAGE BEHAVIOUR serviceProvSOA-AddressPkgBehavior; ATTRIBUTES serviceProvSOA-Address GET-REPLACE; REGISTERED AS {LNP-OIDS.lnp-package 9};</pre>
<pre>serviceProvSOA-AddressPkg PACKAGE BEHAVIOUR serviceProvSOA-AddressPkgBehavior; ATTRIBUTES serviceProvSOA-Address GET-REPLACE; REGISTERED AS {LNP-OIDS.lnp-package 9}; serviceProvSOA-AddressPkgBehavior BEHAVIOUR DEFINED AS !</pre>
<pre>serviceProvSOA-AddressPkg PACKAGE BEHAVIOUR serviceProvSOA-AddressPkgBehavior; ATTRIBUTES serviceProvSOA-Address GET-REPLACE; REGISTERED AS {LNP-OIDS.lnp-package 9}; serviceProvSOA-AddressPkgBehavior BEHAVIOUR DEFINED AS ! This package provides for conditionally including the</pre>
<pre>serviceProvSOA-AddressPkg PACKAGE BEHAVIOUR serviceProvSOA-AddressPkgBehavior; ATTRIBUTES serviceProvSOA-Address GET-REPLACE; REGISTERED AS {LNP-OIDS.lnp-package 9}; serviceProvSOA-AddressPkgBehavior BEHAVIOUR DEFINED AS ! This package provides for conditionally including the serviceProvSOA-Address attribute.</pre>
<pre>serviceProvSOA-AddressPkg PACKAGE BEHAVIOUR serviceProvSOA-AddressPkgBehavior; ATTRIBUTES serviceProvSOA-Address GET-REPLACE; REGISTERED AS {LNP-OIDS.lnp-package 9}; serviceProvSOA-AddressPkgBehavior BEHAVIOUR DEFINED AS ! This package provides for conditionally including the</pre>
<pre>serviceProvSOA-AddressPkg PACKAGE BEHAVIOUR serviceProvSOA-AddressPkgBehavior; ATTRIBUTES serviceProvSOA-Address GET-REPLACE; REGISTERED AS {LNP-OIDS.lnp-package 9}; serviceProvSOA-AddressPkgBehavior BEHAVIOUR DEFINED AS ! This package provides for conditionally including the serviceProvSOA-Address attribute.</pre>
<pre>serviceProvSOA-AddressPkg PACKAGE BEHAVIOUR serviceProvSOA-AddressPkgBehavior; ATTRIBUTES serviceProvSOA-Address GET-REPLACE; REGISTERED AS {LNP-OIDS.lnp-package 9}; serviceProvSOA-AddressPkgBehavior BEHAVIOUR DEFINED AS ! This package provides for conditionally including the serviceProvSOA-Address attribute. !;</pre>
<pre>serviceProvSOA-AddressPkg PACKAGE BEHAVIOUR serviceProvSOA-AddressPkgBehavior; ATTRIBUTES serviceProvSOA-Address GET-REPLACE; REGISTERED AS {LNP-OIDS.lnp-package 9}; serviceProvSOA-AddressPkgBehavior BEHAVIOUR DEFINED AS ! This package provides for conditionally including the serviceProvSOA-Address attribute.</pre>
<pre>serviceProvSOA-AddressPkg PACKAGE BEHAVIOUR serviceProvSOA-AddressPkgBehavior; ATTRIBUTES serviceProvSOA-Address GET-REPLACE; REGISTERED AS {LNP-OIDS.lnp-package 9}; serviceProvSOA-AddressPkgBehavior BEHAVIOUR DEFINED AS ! This package provides for conditionally including the serviceProvSOA-Address attribute. !;</pre>
<pre>serviceProvSOA-AddressPkg PACKAGE BEHAVIOUR serviceProvSOA-AddressPkgBehavior; ATTRIBUTES serviceProvSOA-Address GET-REPLACE; REGISTERED AS {LNP-OIDS.lnp-package 9}; serviceProvSOA-AddressPkgBehavior BEHAVIOUR DEFINED AS ! This package provides for conditionally including the serviceProvSOA-Address attribute. !;  10.0 LNP Service Provider User Administration Address Package</pre>
<pre>serviceProvSOA-AddressPkg PACKAGE BEHAVIOUR serviceProvSOA-AddressPkgBehavior; ATTRIBUTES serviceProvSOA-Address GET-REPLACE; REGISTERED AS {LNP-OIDS.lnp-package 9};  serviceProvSOA-AddressPkgBehavior BEHAVIOUR DEFINED AS ! This package provides for conditionally including the serviceProvSOA-Address attribute. !; 10.0 LNP Service Provider User Administration Address Package serviceProvUserAdminAddressPkg PACKAGE</pre>
<pre>serviceProvSOA-AddressPkg PACKAGE BEHAVIOUR serviceProvSOA-AddressPkgBehavior; ATTRIBUTES serviceProvSOA-Address GET-REPLACE; REGISTERED AS {LNP-OIDS.lnp-package 9}; serviceProvSOA-AddressPkgBehavior BEHAVIOUR DEFINED AS ! This package provides for conditionally including the serviceProvSOA-Address attribute. !;  10.0 LNP Service Provider User Administration Address Package ServiceProvUserAdminAddressPkg PACKAGE BEHAVIOUR serviceProvUserAdminAddressPkgBehavior;</pre>
<pre>serviceProvSOA-AddressPkg PACKAGE BEHAVIOUR serviceProvSOA-AddressPkgBehavior; ATTRIBUTES serviceProvSOA-Address GET-REPLACE; REGISTERED AS {LNP-OIDS.lnp-package 9};  serviceProvSOA-AddressPkgBehavior BEHAVIOUR DEFINED AS ! This package provides for conditionally including the serviceProvSOA-Address attribute. !; 10.0 LNP Service Provider User Administration Address Package serviceProvUserAdminAddressPkg PACKAGE</pre>
<pre>serviceProvSOA-AddressPkg PACKAGE BEHAVIOUR serviceProvSOA-AddressPkgBehavior; ATTRIBUTES serviceProvSOA-Address GET-REPLACE; REGISTERED AS {LNP-OIDS.lnp-package 9};  serviceProvSOA-AddressPkgBehavior BEHAVIOUR DEFINED AS ! This package provides for conditionally including the serviceProvSOA-Address attribute. !; 10.0 LNP Service Provider User Administration Address Package ServiceProvUserAdminAddressPkg PACKAGE BEHAVIOUR serviceProvUserAdminAddressPkgBehavior; ATTRIBUTES</pre>
<pre>serviceProvSOA-AddressPkg PACKAGE BEHAVIOUR serviceProvSOA-AddressPkgBehavior; ATTRIBUTES serviceProvSOA-Address GET-REPLACE; REGISTERED AS {LNP-OIDS.lnp-package 9}; serviceProvSOA-AddressPkgBehavior BEHAVIOUR DEFINED AS ! This package provides for conditionally including the serviceProvSOA-Address attribute. !: 10.0 LNP Service Provider User Administration Address Package ServiceProvUserAdminAddressPkg PACKAGE BEHAVIOUR serviceProvUserAdminAddressPkgBehavior; ATTRIBUTES serviceProvUserAdminAddress GET-REPLACE;</pre>
<pre>serviceProvSOA-AddressPkg PACKAGE BEHAVIOUR serviceProvSOA-AddressPkgBehavior; ATTRIBUTES serviceProvSOA-Address GET-REPLACE; REGISTERED AS {LNP-OIDS.lnp-package 9};  serviceProvSOA-AddressPkgBehavior BEHAVIOUR DEFINED AS ! This package provides for conditionally including the serviceProvSOA-Address attribute. !; 10.0 LNP Service Provider User Administration Address Package ServiceProvUserAdminAddressPkg PACKAGE BEHAVIOUR serviceProvUserAdminAddressPkgBehavior; ATTRIBUTES</pre>
<pre>serviceProvSOA-AddressPkg PACKAGE BEHAVIOUR serviceProvSOA-AddressPkgBehavior; ATTRIBUTES serviceProvSOA-Address GET-REPLACE; REGISTERED AS {LNP-OIDS.lnp-package 9}; serviceProvSOA-AddressPkgBehavior BEHAVIOUR DEFINED AS ! This package provides for conditionally including the serviceProvSOA-Address attribute. !: 10.0 LNP Service Provider User Administration Address Package ServiceProvUserAdminAddressPkg PACKAGE BEHAVIOUR serviceProvUserAdminAddressPkgBehavior; ATTRIBUTES serviceProvUserAdminAddress GET-REPLACE;</pre>
<pre>serviceProvSOA-AddressPkg PACKAGE BEHAVIOUR serviceProvSOA-AddressPkgBehavior; ATTRIBUTES serviceProvSOA-Address GET-REPLACE; REGISTERED AS {LNP-OIDS.lnp-package 9};</pre>
<pre>serviceProvSOA-AddressPkg PACKAGE BEHAVIOUR serviceProvSOA-AddressPkgBehavior; ATTRIBUTES serviceProvSOA-Address GET-REPLACE; REGISTERED AS {LNP-OIDS.lnp-package 9}; serviceProvSOA-AddressPkgBehavior BEHAVIOUR DEFINED AS ! This package provides for conditionally including the serviceProvSOA-Address attribute. !: 10.0 LNP Service Provider User Administration Address Package ServiceProvUserAdminAddressPkg PACKAGE BEHAVIOUR serviceProvUserAdminAddressPkgBehavior; ATTRIBUTES serviceProvUserAdminAddress GET-REPLACE;</pre>
<pre>serviceProvSOA-AddressPkg PACKAGE BEHAVIOUR serviceProvSOA-AddressPkgBehavior; ATTRIBUTES serviceProvSOA-Address GET-REPLACE; REGISTERED AS {LNP-OIDS.lnp-package 9};</pre>
<pre>serviceProvSOA-AddressPkg PACKAGE BEHAVIOUR serviceProvSOA-AddressPkgBehavior; ATTRIBUTES serviceProvSOA-Address GET-REPLACE; REGISTERED AS {LNP-OIDS.lnp-package 9}; serviceProvSOA-AddressPkgBehavior BEHAVIOUR DEFINED AS ! This package provides for conditionally including the serviceProvSOA-Address attribute. !;  10.0 LNP Service Provider User Administration Address Package serviceProvUserAdminAddressPkg PACKAGE BEHAVIOUR serviceProvUserAdminAddressPkgBehavior; ATTRIBUTES serviceProvUserAdminAddress GET-REPLACE; REGISTERED AS {LNP-OIDS.lnp-package 10}; serviceProvUserAdminAddressPkgBehavior BEHAVIOUR DEFINED AS !</pre>
<pre>serviceProvSOA-AddressPkg PACKAGE BEHAVIOUR serviceProvSOA-AddressPkgBehavior; ATTRIBUTES serviceProvSOA-Address GET-REPLACE; REGISTERED AS {LNP-OIDS.lnp-package 9};</pre>

!;
11.0 LNP Service Provider Web Address Package
TI.U HAT SETVICE HOVIDEL WED ADDIESS HACKAGE
<u>serviceProvWebAddressPkq_PACKAGE</u>
BEHAVIOUR serviceProvWebAddressPkqBehavior;
ATTRIBUTES
serviceProvWebAddress GET-REPLACE;
REGISTERED AS {LNP-OIDS.lnp-package 11};
<u>serviceProvWebAddressPkgBehavior BEHAVIOUR</u>
DEFINED AS !
This package provides for conditionally including the
serviceProvWebAddress attribute.
<u> </u>
12.0 LNP Subscription Version Activate Package
subscriptionVersionActivatePkg PACKAGE
BEHAVIOUR subscriptionVersionActivatePkqBehavior;
ACTIONS
<u>subscriptionVersionActivate;</u>
REGISTERED AS {LNP-OIDS.lnp-package 12};
subscriptionVersionActivatePkgBehavior BEHAVIOUR
DEFINED AS !
This package provides for conditionally including the
subscriptionVersionActivate action.
<u>;</u>
13.0 LNP Subscription Version Attribute Value Change Failed Service
13.0 LNP Subscription Version Attribute Value Change Failed Service
13.0 LNP Subscription Version Attribute Value Change Failed Service Providers List
Providers List
Providers List subscriptionVersionAttributeValueChangeFailed-SP-ListPkg PACKAGE
Providers List subscriptionVersionAttributeValueChangeFailed-SP-ListPkg PACKAGE BEHAVIOUR
Providers List subscriptionVersionAttributeValueChangeFailed-SP-ListPkg PACKAGE
Providers List subscriptionVersionAttributeValueChangeFailed-SP-ListPkg PACKAGE BEHAVIOUR
Providers List subscriptionVersionAttributeValueChangeFailed-SP-ListPkg PACKAGE BEHAVIOUR subscriptionVersionAttributeValueChangeFailed-SP-ListPkgBehavior; ATTRIBUTES
Providers List subscriptionVersionAttributeValueChangeFailed-SP-ListPkg PACKAGE BEHAVIOUR subscriptionVersionAttributeValueChangeFailed-SP-ListPkgBehavior; ATTRIBUTES subscriptionFailed-SP-List GET;
Providers List subscriptionVersionAttributeValueChangeFailed-SP-ListPkg PACKAGE BEHAVIOUR subscriptionVersionAttributeValueChangeFailed-SP-ListPkgBehavior; ATTRIBUTES
Providers List subscriptionVersionAttributeValueChangeFailed-SP-ListPkg PACKAGE BEHAVIOUR subscriptionVersionAttributeValueChangeFailed-SP-ListPkgBehavior; ATTRIBUTES subscriptionFailed-SP-List GET;
Providers List          subscriptionVersionAttributeValueChangeFailed-SP-ListPkg PACKAGE         BEHAVIOUR         subscriptionVersionAttributeValueChangeFailed-SP-ListPkgBehavior;         ATTRIBUTES         subscriptionFailed-SP-List GET;         REGISTERED AS {LNP-OIDS.lnp-package 13};
Providers List          subscriptionVersionAttributeValueChangeFailed-SP-ListPkg PACKAGE         BEHAVIOUR         subscriptionVersionAttributeValueChangeFailed-SP-ListPkgBehavior;         ATTRIBUTES         subscriptionFailed-SP-List GET;         REGISTERED AS {LNP-OIDS.lnp-package 13};         subscriptionVersionAttributeValueChangeFailed-SP-ListPkgBehavior BEHAVIOUR
Providers List          subscriptionVersionAttributeValueChangeFailed-SP-ListPkg PACKAGE         BEHAVIOUR         subscriptionVersionAttributeValueChangeFailed-SP-ListPkgBehavior;         ATTRIBUTES         subscriptionFailed-SP-List GET;         REGISTERED AS {LNP-OIDS.lnp-package 13};
Providers List          subscriptionVersionAttributeValueChangeFailed-SP-ListPkg PACKAGE         BEHAVIOUR         subscriptionVersionAttributeValueChangeFailed-SP-ListPkgBehavior;         ATTRIBUTES         subscriptionFailed-SP-List GET;         REGISTERED AS {LNP-OIDS.lnp-package 13};
Providers List          subscriptionVersionAttributeValueChangeFailed-SP-ListPkg PACKAGE         BEHAVIOUR         subscriptionVersionAttributeValueChangeFailed-SP-ListPkgBehavior;         ATTRIBUTES         subscriptionFailed-SP-List GET;         REGISTERED AS {LNP-OIDS.lnp-package 13};
Providers List          subscriptionVersionAttributeValueChangeFailed-SP-ListPkg PACKAGE         BEHAVIOUR         subscriptionVersionAttributeValueChangeFailed-SP-ListPkgBehavior;         ATTRIBUTES         subscriptionFailed-SP-List GET;         REGISTERED AS {LNP-OIDS.lnp-package 13};         subscriptionVersionAttributeValueChangeFailed-SP-ListPkgBehavior BEHAVIOUR         DEFINED AS !         This package provides for conditionally including the subscriptionVersionAttributeValueChangeFailed-SP-List
Providers List          subscriptionVersionAttributeValueChangeFailed-SP-ListPkg PACKAGE         BEHAVIOUR         subscriptionVersionAttributeValueChangeFailed-SP-ListPkgBehavior;         ATTRIBUTES         subscriptionFailed-SP-List GET;         REGISTERED AS {LNP-OIDS.lnp-package 13};         subscriptionVersionAttributeValueChangeFailed-SP-ListPkgBehavior BEHAVIOUR         DEFINED AS !         This package provides for conditionally including the subscriptionVersionAttributeValueChangeFailed-SP-List         attribute.
Providers List          subscriptionVersionAttributeValueChangeFailed-SP-ListPkg PACKAGE         BEHAVIOUR         subscriptionVersionAttributeValueChangeFailed-SP-ListPkgBehavior;         ATTRIBUTES         subscriptionFailed-SP-List GET;         REGISTERED AS {LNP-OIDS.lnp-package 13};         subscriptionVersionAttributeValueChangeFailed-SP-ListPkgBehavior BEHAVIOUR         DEFINED AS !         This package provides for conditionally including the subscriptionVersionAttributeValueChangeFailed-SP-List
Providers List          subscriptionVersionAttributeValueChangeFailed-SP-ListPkg PACKAGE         BEHAVIOUR         subscriptionVersionAttributeValueChangeFailed-SP-ListPkgBehavior;         ATTRIBUTES         subscriptionFailed-SP-List GET;         REGISTERED AS {LNP-OIDS.lnp-package 13};         subscriptionVersionAttributeValueChangeFailed-SP-ListPkgBehavior BEHAVIOUR         DEFINED AS !         This package provides for conditionally including the subscriptionVersionAttributeValueChangeFailed-SP-List         attribute.
<pre> Providers List subscriptionVersionAttributeValueChangeFailed-SP-ListPkg PACKAGE BEHAVIOUR subscriptionVersionAttributeValueChangeFailed-SP-ListPkgBehavior; ATTRIBUTES subscriptionFailed-SP-List GET; REGISTERED AS {LNP-OIDS.lnp-package 13}; BubscriptionVersionAttributeValueChangeFailed-SP-ListPkgBehavior BEHAVIOUR DEFINED AS ! This package provides for conditionally including the subscriptionVersionAttributeValueChangeFailed-SP-List attribute. !;</pre>
Providers List          subscriptionVersionAttributeValueChangeFailed-SP-ListPkg PACKAGE         BEHAVIOUR         subscriptionVersionAttributeValueChangeFailed-SP-ListPkgBehavior;         ATTRIBUTES         subscriptionFailed-SP-List GET;         REGISTERED AS {LNP-OIDS.lnp-package 13};         subscriptionVersionAttributeValueChangeFailed-SP-ListPkgBehavior BEHAVIOUR         DEFINED AS !         This package provides for conditionally including the subscriptionVersionAttributeValueChangeFailed-SP-List         attribute.
<pre> Providers List subscriptionVersionAttributeValueChangeFailed-SP-ListPkg PACKAGE BEHAVIOUR subscriptionVersionAttributeValueChangeFailed-SP-ListPkgBehavior; ATTRIBUTES subscriptionFailed-SP-List GET; REGISTERED AS {LNP-OIDS.lnp-package 13}; subscriptionVersionAttributeValueChangeFailed-SP-ListPkgBehavior BEHAVIOUR DEFINED AS ! This package provides for conditionally including the subscriptionVersionAttributeValueChangeFailed-SP-List attribute. !; 14.0 LNP Subscription Version Cancel Package</pre>
Providers List          subscriptionVersionAttributeValueChangeFailed-SP-ListPkg PACKAGE         BEHAVIOUR         subscriptionVersionAttributeValueChangeFailed-SP-ListPkgBehavior;         ATTRIBUTES         subscriptionFailed-SP-List GET;         REGISTERED AS {LNP-OIDS.lnp-package 13};
<pre> Providers List subscriptionVersionAttributeValueChangeFailed-SP-ListPkg PACKAGE BEHAVIOUR subscriptionVersionAttributeValueChangeFailed-SP-ListPkgBehavior; ATTRIBUTES subscriptionFailed-SP-List GET; REGISTERED AS {LNP-OIDS.lnp-package 13}; subscriptionVersionAttributeValueChangeFailed-SP-ListPkgBehavior BEHAVIOUR DEFINED AS ! This package provides for conditionally including the subscriptionVersionAttributeValueChangeFailed-SP-List attribute. !; 14.0 LNP Subscription Version Cancel Package</pre>
Providers List          subscriptionVersionAttributeValueChangeFailed-SP-ListPkg PACKAGE         BEHAVIOUR         subscriptionVersionAttributeValueChangeFailed-SP-ListPkgBehavior;         ATTRIBUTES         subscriptionFailed-SP-List GET;         REGISTERED AS {LNP-OIDS.lnp-package 13};
Providers List          subscriptionVersionAttributeValueChangeFailed-SP-ListPkg PACKAGE         BEHAVIOUR         subscriptionVersionAttributeValueChangeFailed-SP-ListPkgBehavior;         ATTRIBUTES         subscriptionFailed-SP-List GET;         REGISTERED AS (LNP-OIDS.lnp-package 13);         subscriptionVersionAttributeValueChangeFailed-SP-ListPkgBehavior BEHAVIOUR         DEFINED AS !         This package provides for conditionally including the subscriptionVersionAttributeValueChangeFailed-SP-List attribute.         !;         14.0 LNP Subscription Version Cancel Package         subscriptionVersionCancelPkg PACKAGE         BEHAVIOUR subscriptionVersionCancelPkgBehavior;         ACTIONS
Providers List          subscriptionVersionAttributeValueChangeFailed-SP-ListPkg PACKAGE         BEHAVIOUR         subscriptionVersionAttributeValueChangeFailed-SP-ListPkgBehavior;         ATTRIBUTES         subscriptionFailed-SP-List GET;         REGISTERED AS (LNP-OIDS.lnp-package 13);
Providers List          subscriptionVersionAttributeValueChangeFailed-SP-ListPkg PACKAGE         BEHAVIOUR         subscriptionVersionAttributeValueChangeFailed-SP-ListPkgBehavior;         ATTRIBUTES         subscriptionFailed-SP-List GET;         REGISTERED AS (LNP-OIDS.lnp-package 13);         subscriptionVersionAttributeValueChangeFailed-SP-ListPkgBehavior BEHAVIOUR         DEFINED AS !         This package provides for conditionally including the subscriptionVersionAttributeValueChangeFailed-SP-List attribute.         !;         14.0 LNP Subscription Version Cancel Package         subscriptionVersionCancelPkg PACKAGE         BEHAVIOUR subscriptionVersionCancelPkgBehavior;         ACTIONS
Providers List          subscriptionVersionAttributeValueChangeFailed-SP-ListPkg PACKAGE         BEHAVIOUR         subscriptionVersionAttributeValueChangeFailed-SP-ListPkgBehavior;         ATTRIBUTES         subscriptionFailed-SP-List GET;         REGISTERED AS (LNP-OIDS.lnp-package 13);
Providers List          subscriptionVersionAttributeValueChangeFailed-SP-ListPkg PACKAGE         BEHAVIOUR         subscriptionVersionAttributeValueChangeFailed-SP-ListPkgBehavior;         ATTRIBUTES         subscriptionFailed-SP-List GET;         REGISTERED AS {LNP-OIDS.lnp-package 13};         subscriptionVersionAttributeValueChangeFailed-SP-ListPkgBehavior BEHAVIOUR         DEFINED AS !         This package provides for conditionally including the         subscriptionVersionAttributeValueChangeFailed-SP-List         attribute.         !;         14.0 LNP Subscription Version Cancel Package         subscriptionVersionCancelPkg PACKAGE         BEHAVIOUR subscriptionVersionCancelPkgBehavior;         ACTIONS         subscriptionVersionCancel;         REGISTERED AS {LNP-OIDS.lnp-package 14};
Providers List          subscriptionVersionAttributeValueChangeFailed-SP-ListPkg PACKAGE         BEHAVIOUR         subscriptionVersionAttributeValueChangeFailed-SP-ListPkgBehavior;         ATTRIBUTES         subscriptionFailed-SP-List GET;         REGISTERED AS {LNP-OIDS.lnp-package 13};
Providers List          subscriptionVersionAttributeValueChangeFailed-SP-ListPkg PACKAGE         BEHAVIOUR         subscriptionVersionAttributeValueChangeFailed-SP-ListPkgBehavior;         ATTRIBUTES         subscriptionFailed-SP-List GET;         REGISTERED AS {LNP-OIDS.lnp-package 13};         subscriptionVersionAttributeValueChangeFailed-SP-ListPkgBehavior BEHAVIOUR         DEFINED AS !         This package provides for conditionally including the         subscriptionVersionAttributeValueChangeFailed-SP-List         attribute.         !;         14.0 LNP Subscription Version Cancel Package         subscriptionVersionCancelPkg PACKAGE         BEHAVIOUR subscriptionVersionCancelPkgBehavior;         ACTIONS         subscriptionVersionCancel;         REGISTERED AS {LNP-OIDS.lnp-package 14};
Providers List          subscriptionVersionAttributeValueChangeFailed-SP-ListPkg PACKAGE         BEHAVIOUR         subscriptionVersionAttributeValueChangeFailed-SP-ListPkgBehavior;         ATTRIBUTES         subscriptionFailed-SP-List GET;         REGISTERED AS {LNP-OIDS.lnp-package 13};

subscriptionVersionCancel action.
!;
15.0 LNP Subscription Version Disconnect Package
subscriptionVersionDisconnectPkg PACKAGE
BEHAVIOUR subscriptionVersionDisconnectPkgBehavior;
ACTIONS
<u>subscriptionVersionDisconnect;</u>
REGISTERED AS {LNP-OIDS.lnp-package 15};
subscriptionVersionDisconnectPkgBehavior BEHAVIOUR
DEFINED AS !
This package provides for conditionally including the
subscriptionVersionDisconnect action.
<u></u> ;
16.0 LNP Subscription Version Local SMS Create Package
subscriptionVersionLocalSMS-CreatePkg PACKAGE
BEHAVIOUR subscriptionVersionLocalSMS-CreatePkgBehavior;
ACTIONS
<pre>subscriptionVersionLocalSMS-Create;</pre>
REGISTERED AS {LNP-OIDS.lnp-package 16};
subscriptionVersionLocalSMS-CreatePkgBehavior BEHAVIOUR
DEFINED AS !
<u>This package provides for including the</u>
subscriptionVersionLocalSMS-Create action.
<u>;</u>
17 O IND Subscription Version Medify Deckare
17.0 LNP Subscription Version Modify Package
subscriptionVersionModifyPkg PACKAGE
BEHAVIOUR subscriptionVersionModifyPkgBehavior;
ACTIONS
subscriptionVersionModify;
<pre>REGISTERED AS {LNP-OIDS.lnp-package 17};</pre>
subscriptionVersionModifyPkgBehavior BEHAVIOUR
DEFINED AS !
This package provides for conditionally including the
<u>subscriptionVersionModify action.</u>
<u>;</u>
18 0 LNP New Service Provider Subscription Version Cancellation
18.0 LNP New Service Provider Subscription Version Cancellation
18.0 LNP New Service Provider Subscription Version Cancellation Acknowledge Package
Acknowledge Package subscriptionVersionNewSP-CancellationPkg PACKAGE
Acknowledge Package <u>subscriptionVersionNewSP-CancellationPkg PACKAGE</u> <u>BEHAVIOUR subscriptionVersionNewSP-CancellationPkgBehavior;</u>
Acknowledge Package subscriptionVersionNewSP-CancellationPkg PACKAGE BEHAVIOUR subscriptionVersionNewSP-CancellationPkgBehavior; ACTIONS
<pre> Acknowledge Package subscriptionVersionNewSP-CancellationPkg PACKAGE BEHAVIOUR subscriptionVersionNewSP-CancellationPkgBehavior; ACTIONS subscriptionVersionNewSP-CancellationAcknowledge;</pre>
Acknowledge Package subscriptionVersionNewSP-CancellationPkg PACKAGE BEHAVIOUR subscriptionVersionNewSP-CancellationPkgBehavior; ACTIONS
<pre> Acknowledge Package subscriptionVersionNewSP-CancellationPkg PACKAGE BEHAVIOUR subscriptionVersionNewSP-CancellationPkgBehavior; ACTIONS subscriptionVersionNewSP-CancellationAcknowledge;</pre>
<pre> Acknowledge Package subscriptionVersionNewSP-CancellationPkg PACKAGE BEHAVIOUR subscriptionVersionNewSP-CancellationPkgBehavior; ACTIONS subscriptionVersionNewSP-CancellationAcknowledge; REGISTERED AS {LNP-OIDS.lnp-package 18};</pre>
<pre> Acknowledge Package subscriptionVersionNewSP-CancellationPkg PACKAGE BEHAVIOUR subscriptionVersionNewSP-CancellationPkgBehavior; ACTIONS subscriptionVersionNewSP-CancellationAcknowledge; REGISTERED AS {LNP-OIDS.lnp-package 18}; subscriptionVersionNewSP-CancellationPkgBehavior BEHAVIOUR</pre>
<pre> Acknowledge Package subscriptionVersionNewSP-CancellationPkg PACKAGE BEHAVIOUR subscriptionVersionNewSP-CancellationPkgBehavior; ACTIONS subscriptionVersionNewSP-CancellationAcknowledge; REGISTERED AS {LNP-OIDS.lnp-package 18}; subscriptionVersionNewSP-CancellationPkgBehavior BEHAVIOUR DEFINED AS !</pre>
<pre> Acknowledge Package subscriptionVersionNewSP-CancellationPkg PACKAGE BEHAVIOUR subscriptionVersionNewSP-CancellationPkgBehavior; ACTIONS subscriptionVersionNewSP-CancellationAcknowledge; REGISTERED AS {LNP-OIDS.lnp-package 18}; subscriptionVersionNewSP-CancellationPkgBehavior BEHAVIOUR</pre>

<u>!;</u>
20.0 LNP Subscription Version Remove From Conflict
Pending Package
subscriptionVersionRemoveFromConflictPkg PACKAGE
BEHAVIOUR subscriptionVersionRemoveFromConflictPkgBehavior;
ACTIONS
subscriptionVersionRemoveFromConflict;
<pre>REGISTERED AS {LNP-OIDS.lnp-package 20};</pre>
subscriptionVersionRemoveFromConflictPkgBehavior BEHAVIOUR
DEFINED AS !
This package provides for conditionally including the
subscriptionVersionRemoveFromConflict action.
<u> </u>
21.0 LNP New Service Provider Subscription Version Create Package
subscriptionVersionNewSP-CreatePkg PACKAGE
BEHAVIOUR subscriptionVersionNewSP-CreatePkgBehavior;
ACTIONS
<pre>subscriptionVersionNewSP-Create;</pre>
REGISTERED AS {LNP-OIDS.lnp-package 21};
subscriptionVersionNewSP-CreatePkgBehavior BEHAVIOUR
DEFINED AS !
This package provides for conditionally including the
subscriptionVersionNewSP-Create action.
<u> </u>
22.0 LNP Old Service Provider Subscription Version Cancellation
<u> Acknowledge Package</u>
subscriptionVersionOldSP-CancellationPkg PACKAGE
BEHAVIOUR subscriptionVersionOldSP-CancellationPkgBehavior;
ACTIONS
<pre>subscriptionVersionOldSP-CancellationAcknowledge;</pre>
<pre>REGISTERED AS {LNP-OIDS.lnp-package 22};</pre>
subscriptionVersionOldSP-CancellationPkgBehavior BEHAVIOUR
DEFINED AS !
This package provides for conditionally including the
This package provides for conditionally including the subscriptionVersionOldSP-CancellationAcknowledge action.
This package provides for conditionally including the
This package provides for conditionally including the subscriptionVersionOldSP-CancellationAcknowledge action. !;
This package provides for conditionally including the subscriptionVersionOldSP-CancellationAcknowledge action.
This package provides for conditionally including the subscriptionVersionOldSP-CancellationAcknowledge action. 
This package provides for conditionally including the subscriptionVersionOldSP-CancellationAcknowledge action. :: 24.0 LNP Old Service Provider Subscription Version Create Package subscriptionVersionOldSP-CreatePkg PACKAGE
This package provides for conditionally including the subscriptionVersionOldSP-CancellationAcknowledge action. 
This package provides for conditionally including the subscriptionVersionOldSP-CancellationAcknowledge action.         !;         24.0 LNP Old Service Provider Subscription Version Create Package         subscriptionVersionOldSP-CreatePkg PACKAGE         BEHAVIOUR subscriptionVersionOldSP-CreatePkgBehavior;         ACTIONS
This package provides for conditionally including the subscriptionVersionOldSP-CancellationAcknowledge action.         !;         24.0 LNP Old Service Provider Subscription Version Create Package         subscriptionVersionOldSP-CreatePkg PACKAGE         BEHAVIOUR subscriptionVersionOldSP-CreatePkgBehavior;         ACTIONS         subscriptionVersionOldSP-Create;
This package provides for conditionally including the subscriptionVersionOldSP-CancellationAcknowledge action.         !;         24.0 LNP Old Service Provider Subscription Version Create Package         subscriptionVersionOldSP-CreatePkg PACKAGE         BEHAVIOUR subscriptionVersionOldSP-CreatePkgBehavior;         ACTIONS
This package provides for conditionally including the subscriptionVersionOldSP-CancellationAcknowledge action. :: 24.0 LNP Old Service Provider Subscription Version Create Package subscriptionVersionOldSP-CreatePkg PACKAGE BEHAVIOUR subscriptionVersionOldSP-CreatePkgBehavior; ACTIONS subscriptionVersionOldSP-Create; REGISTERED AS {LNP-OIDS.lnp-package 24};
This package provides for conditionally including the subscriptionVersionOldSP-CancellationAcknowledge action. 
This package provides for conditionally including the subscriptionVersionOldSP-CancellationAcknowledge action. 
This package provides for conditionally including the subscriptionVersionOldSP-CancellationAcknowledge action. !; 24.0 LNP Old Service Provider Subscription Version Create Package subscriptionVersionOldSP-CreatePkg PACKAGE BEHAVIOUR subscriptionVersionOldSP-CreatePkgBehavior; ACTIONS subscriptionVersionOldSP-Create; REGISTERED AS {LNP-OIDS.lnp-package 24}; subscriptionVersionOldSP-CreatePkgBehavior BEHAVIOUR

<u>!;</u>
25.0 LNP Subscription Status Change Cause Code Package
subscriptionStatusChangeCauseCodePkg PACKAGE
BEHAVIOUR subscriptionStatusChangeCauseCodePkgBehavior; ATTRIBUTES
<pre>subscriptionStatusChangeCauseCode GET; REGISTERED AS {LNP-OIDS.lnp-package 25};</pre>
<u>subscriptionStatusChangeCauseCodePkgBehavior BEHAVIOUR</u> DEFINED AS !
This package provides for conditionally including the
<pre>subscriptionStatusChangeCauseCode attribute</pre>
26.0 LNP Service Provider Security Address Package
serviceProvSecurityAddressPkg_PACKAGE
BEHAVIOUR serviceProvSecurityAddressPkgBehavior; ATTRIBUTES
REGISTERED AS {LNP-OIDS.lnp-package 26};
<pre>serviceProvSecurityAddressPkgBehavior BEHAVIOURDEFINED AS !</pre>
This package provides for conditionally including the
<pre>serviceProvSecurityAddress_attribute.</pre>
27.0 LNP Notification Recovery Package
<u>lnpNotificationRecoveryPkg_PACKAGE</u>
BEHAVIOUR lnpNotificationRecoveryPkgBehavior; ACTIONS
<pre>lnpNotificationRecovery;</pre>
REGISTERED AS {LNP-OIDS.lnp-package 27};
InpNotificationRecoveryPkgBehavior BEHAVIOUR
DEFINED AS ! This package provides for conditionally including the
<pre>lnpNotificationRecovery action;</pre>
28.0 LNP Subscription Audit TN Activation Range Package
subscriptionAuditTN-ActivationRangePkg PACKAGE
BEHAVIOUR subscriptionAuditTN-ActivationRangePkgBehavior; ATTRIBUTES
subscriptionAuditTN-ActivationRange GET;
<pre>REGISTERED AS {LNP-OIDS.lnp-package 28};</pre>
<pre>subscriptionAuditTN-ActivationRangePkgBehavior BEHAVIOUR DEFINED AS !</pre>
This package provides for conditionally including the
<pre>subscriptionAuditTN-ActivationRange attribute. !;</pre>

1.

aubaarintian Wimar Wima Dka DACKACE
<u>subscriptionTimerTypePkg PACKAGE</u> BEHAVIOUR subscriptionTimerTypePkgBehavior;
ATTRIBUTES
<u>Registered AS {EMP-OIDS.INP-package 29},</u>
subscriptionTimerTypePkqBehavior BEHAVIOUR
DEFINED AS !
This package provides for conditionally including the
30.0 LNP Subscription Business Type Package
DOUD INT BUDDETIPETON BUDINESS Type Tuenage
subscriptionBusinessTypePkg_PACKAGE
BEHAVIOUR subscriptionBusinessTypePkgBehavior;
ATTRIBUTES
REGISTERED AS {LNP-OIDS.lnp-package 30};
<u>Registered AS {EMP-OIDS.INP-package 50};</u>
 subscriptionBusinessTypePkgBehavior BEHAVIOUR
DEFINED AS !
This package provides for conditionally including the
31.0 LNP Subscription WSMSC Data Package
subscriptionWSMSC-DataPkg PACKAGE
BEHAVIOUR_subscriptionWSMSC-DataPkgBehavior;
ATTRIBUTES
subscriptionWSMSC-SSN GET-REPLACE;
<pre>REGISTERED AS {LNP-OIDS.lnp-package 31};</pre>
subscriptionWSMSC-DataPkgBehavior BEHAVIOUR
<u>subscriptionWSMSC-DataPkgBehavior BEHAVIOUR</u> DEFINED_AS_!
<u>subscriptionWSMSC-DataPkqBehavior BEHAVIOUR</u> <u>DEFINED AS !</u> This package provides for conditionally including the
<u>subscriptionWSMSC-DataPkqBehavior BEHAVIOUR</u> <u>DEFINED AS !</u> This package provides for conditionally including the
<u>subscriptionWSMSC-DataPkqBehavior BEHAVIOUR</u> <u>DEFINED AS !</u> <u>This package provides for conditionally including the</u> <u>WSMSC DPC and SSN attributes.</u> <u>!;</u>
<pre>subscriptionWSMSC-DataPkgBehavior BEHAVIOUR DEFINED AS ! This package provides for conditionally including the WSMSC DPC and SSN attributes.</pre>
<pre>subscriptionWSMSC-DataPkgBehavior BEHAVIOUR DEFINED AS ! This package provides for conditionally including the WSMSC DPC and SSN attributes.</pre>
<pre></pre>
<pre></pre>
<pre>subscriptionWSMSC-DataPkqBehavior BEHAVIOUR DEFINED AS ! This package provides for conditionally including the WSMSC DPC and SSN attributes. !;  32.0 LNP Number Pool Block Create Package numberPoolBlock-CreatePkg PACKAGE BEHAVIOUR numberPoolBlock-CreatePkgBehavior; ACTIONS numberPoolBlock-Create;</pre>
<pre></pre>
<pre>subscriptionWSMSC-DataPkgBehavior BEHAVIOUR DEFINED AS ! This package provides for conditionally including the WSMSC DPC and SSN attributes. !;  32.0 LNP Number Pool Block Create Package numberPoolBlock-CreatePkg PACKAGE BEHAVIOUR numberPoolBlock-CreatePkgBehavior; ACTIONS numberPoolBlock-Create; REGISTERED AS {LNP-OIDS.lnp-package 32};</pre>
<pre>subscriptionWSMSC-DataPkgBehavior BEHAVIOUR DEFINED AS ! This package provides for conditionally including the WSMSC DPC and SSN attributes. !;  32.0 LNP Number Pool Block Create Package numberPoolBlock-CreatePkg PACKAGE BEHAVIOUR numberPoolBlock-CreatePkgBehavior; ACTIONS numberPoolBlock-Create; REGISTERED AS {LNP-OIDS.lnp-package 32}; numberPoolBlock-CreatePkgBehavior BEHAVIOUR</pre>
<pre>subscriptionWSMSC-DataPkgBehavior BEHAVIOUR DEFINED AS !</pre>
<pre>subscriptionWSMSC-DataPkgBehavior BEHAVIOUR DEFINED AS !</pre>
<pre>subscriptionWSMSC-DataPkqBehavior BEHAVIOUR DEFINED AS ! This package provides for conditionally including the WSMSC DPC and SSN attributes. !;  32.0 LNP Number Pool Block Create Package numberPoolBlock-CreatePkg PACKAGE BEHAVIOUR numberPoolBlock-CreatePkgBehavior; ACTIONS numberPoolBlock-Create; REGISTERED AS {LNP-OIDS.lnp-package 32}; numberPoolBlock-CreatePkgBehavior BEHAVIOUR DEFINED AS ! This package provides for conditionally including the numberPoolBlock-Create action.</pre>
<pre>subscriptionWSMSC-DataPkgBehavior BEHAVIOUR DEFINED AS !</pre>

33.0 LNP Number Pool Block Attribute Value Change Failed Service Providers List
<pre>numberPoolBlockAttributeValueChangeFailed-SP-ListPkg PACKAGE BEHAVIOUR numberPoolBlockAttributeValueChangeFailed-SP-ListPkgBehavior; ATTRIBUTES numberPoolBlockFailed-SP-List GET; REGISTERED AS {LNP-OIDS.lnp-package 33};</pre>
<pre>numberPoolBlockAttributeValueChangeFailed-SP-ListPkgBehavior BEHAVIOUR DEFINED AS ! This package provides for conditionally including the numberPoolBlockAttributeValueChangeFailed-SP-List attribute on the lnpLogNumberPoolBlockStatusAttributeValueChangeRecord object. !;</pre>
34.0 LNP Number Pool Block WSMSC Data Package numberPoolBlockWSMSC-DataPkg PACKAGE BEHAVIOUR numberPoolBlockWSMSC-DataPkgBehavior; ATTRIBUTES numberPoolBlockWSMSC-DPC GET-REPLACE, numberPoolBlockWSMSC-SSN GET-REPLACE; REGISTERED AS {LNP-OIDS.lnp-package 31};
<pre></pre>

## 6.6 Parameter Definitions

-- 1.0 Access Control Parameter

accessControlParameter PARAMETER <u>CONTEXT EVENT-INFO;</u> <u>WITH SYNTAX LNP-ASN1.LnpAccessControl;</u> <u>REGISTERED AS {LNP-OIDS.lnp-parameter 1};</u>

-- 2.0 LNP Specific Info Parameter

InpSpecificInfoParameter PARAMETER CONTEXT SPECIFIC-ERROR; -- ATTRIBUTE lnpSpecificInfo; WITH SYNTAX LNP-ASN1.LnpSpecificInfo; REGISTERED AS {LNP-OIDS.lnp-parameter 2};

## 6.7 <u>Action Definitions</u>

-- 1.0 LNP Download Action

InpDownload ACTION	
BEHAVIOUR	•
	dDefinition,
lnpDownloa	
MODE CONFIRMEI	
	ION SYNTAX LNP-ASN1.DownloadAction;
	ITAX LNP-ASN1.DownloadReply;
	{LNP-OIDS.lnp-action 1};
 lnpDownloadDefinit	ion BEHAVIOUR
DEFINED AS !	
	mload action is the action that is used by the Legal SMC
	mload action is the action that is used by the Local SMS
and SOA to	specify the objects to be downloaded from the NPAC SMS.
÷ /	
<u>lnpDownloadBehavic</u>	T BEHAVIOUR
DEFINED AS !	
	ons: This action is issued from an lnpSubscriptions
	Network object and all objects to be downloaded
are spectr	ied in the action request.
Postcondit	cions: After this action has been executed by the Local
	A specifying which objects to download, the NPAC SMS will
	which objects satisfy the download request and return
	ne download action reply. Creation, deletion, and
	on information will be included in the reply. All data
	ts that have been modified is downloaded not just the
	on that was modified.
Data to be	e downloaded can be specified by a time range of last
	.on/creation or by other criteria. Time range requests
	mited to a tunable range specified in the NPAC SMS, and
	pecified in Coordinated Universal Time (UTC).
	nodified/created in the download time period, regardless
	ount of data, will be downloaded. For download requests
	Tying a time range, the amount of data downloaded will be
limited to	a tunable amount as specified in the NPAC SMS.
Critoria f	for a subscription download is a time range or a TN or
	For TN ranges the stop TN in the range must be greater
	start TN in the range. If the NPAC Customer LSMS EDR
	is set in the service provider's profile
	AC SMS, no subscription versions with LNP type equal to
'pool' wil	l be returned. NPA-NXX filters are also applied.
Critoria f	or a number pool block download is time range, NPA-NXX-X
range or N	
	<u>FR-NAA-A.</u>
Criteria f	for a network data download is a time range, service
	d or all service providers, an npa-nxx range or all
_	ata, an npa-nxx-x range or all npa-nxx-x data, an LRN
	all LRN data, or all network data. Specifying
	prk-data" includes the serviceProvNPA-NXX-X object if the
	supports the object according to their service provider
	PAC Customer LSMS NPA-NXX-X Indicator. The SOA supports
_	according to their service provider profile NPAC Customer
SUA NPA-NX	XX-X Indicator.

	ne Local SMS or SOA should behave as
	ossible download M-ACTION response
from the NPAC SMS:	
<u>Success - process the data</u>	<u>a received from the NPAC SMS, continue</u>
processing.	
No-data-selected no dat	ta was found, continue processing.
Criteria-too-large (using	the Maximum Number of Download Records
	e request into a smaller time range and
-	o the NPAC SMS (only applies to the
subscription version re	equests).
<u>OR</u>	
	the Maximum Number of Download
<u>Notifications tunable</u> )	- break up the request into a smaller
<u>time</u>	
ranges and re-issue the	e request to the NPAC SMS.
Time-range-invalid (using	the Maximum Download Duration tunable) -
	nto shorter time ranges and
re-issue the request to	
	<u>s ene nine bils.</u>
Epilod - co into rotry mod	de. Re-issue the request a configurable
	etry attempts with an "x" amount of delay
	ls a configurable amount of time after
	for each request). If a failed response
is received for the fir	nal retry request, abort the association
and re-start the recove	ery process. Note: It is recommended that
the Local SMS or SOA us	se the same value that the NPAC SMS uses
for the retry interval.	. It is also recommended that the Local
SMS	
use a value of at least	two (2) for configurable number of
additional rety attempt	-
For activities that specify !	'continue processing", the Local SMS or
	either the next lnpDownload action for
	an lnpRecoveryComplete request, depending
on where the response appears	<u>s in the riow.</u>
	action to recover network data and
<u>notification data.</u>	
Local SMSs can use the lnpDov	vnload action to recover network data,
subscription version data and	<u>l notification data.</u>
The SOA or LSMS is capable of	Frecovering data based on the association
	network data and notification data using
	association function (networkDataMgmt).
	ta and subscription data using the data
	(dataDownload) and recovers notification
	nanagmenet association function
(networkDataMgmt).	
!;	
2.0 LNP Recovery Complete Action	

lnpRecoveryComplete ACTION

	Divio Deminuons
BEHAVIOUR	
lnpRecoveryCompleteDefinition,	
lnpRecoveryCompleteBehavior;	
MODE CONFIRMED;	
WITH INFORMATION SYNTAX LNP-ASN1.RecoveryCompleteAction;	
WITH REPLY SYNTAX LNP-ASN1.RecoveryCompleteReply;	
REGISTERED AS {LNP-OIDS.lnp-action 2};	
<pre>lnpRecoveryCompleteDefinition BEHAVIOUR</pre>	
DEFINED AS !	
The lnpRecoveryComplete action is used by the Local SMS or S	
to specify the system has recovered from downtime and the	
transactions performed since the association establishment c	an now he
;	
InpRecoveryCompleteBehavior BEHAVIOUR	
DEFINED AS !	L.
Preconditions: This action is issued from an LSMS or SOA tha	
specified the recovery mode flag in the access control as tr	<u>ue at</u>
association establishment.	
	-
Postconditions: After this action has been executed by the L	
SMS or SOA specifying recovery is complete, the NPAC SMS wil	
forward those updates requested which took place for the net	
subscription and number pool block data as well as any notif	<u>ications</u>
since the association was established. The	
NPAC SMS will queue up all new events while the Local SMS is	<u>in</u>
recovery mode and send them to the Local SMS at the next	
scheduled retry interval after responding with the lnpRecove	ryComplete
action reply.	
If a recovery complete request fails in the NPAC SMS the fai	<u>lure</u>
reason	
will be returned in the reply.	
The NPAC SMS will queue up all new events while the Local SM	
recovery mode, and send them to the Local SMS after respondi	<u>ng with</u>
the	
lnpRecoveryComplete action reply.	
<u>!;</u>	
3.0 LNP Subscription Version Activate Action	
subscriptionVersionActivate ACTION	
BEHAVIOUR	
subscriptionVersionActivateDefinition,	
<u>subscriptionVersionActivateBehavior;</u>	
MODE CONFIRMED;	
WITH INFORMATION SYNTAX LNP-ASN1.ActivateAction;	
WITH REPLY SYNTAX LNP-ASN1.ActivateReply;	
<pre>REGISTERED AS {LNP-OIDS.lnp-action 3};</pre>	
subscriptionVersionActivateDefinition BEHAVIOUR	
DEFINED AS !	
The subscriptionVersionActivate action is the action that ca	<u>in be</u>
used by the SOA of the new service provider to activate a	
subscription version id, tn or a range of tns via the SOA to	<u>)</u>

NPAC SMS interface.

!;

<u>subscriptionVersionActivateBehavior BEHAVIOUR</u> <u>DEFINED AS !</u> <u>Preconditions: This action is issued from an InpSubscriptions</u>

object specifying the object or range of objects to be activated by either subscriptionVersionId, the subscriptionTN or range of TNs (where the stop TN in the range is greater than the start TN).

Subscription versions with subscriptionLNPType equal to 'pool' cannot be specified in the action.

Postconditions: The service provider has activated the subscription version. An error will be returned if the subscription version can not be activated for any reason.

Only pending subscription versions can be activated. Attempts to port subscription versions that have not been authorized by both service providers will fail unless the due date has been reached.

!;

-- 4.0 LNP Subscription Version Cancel Action

subscriptionVersionCancel ACTION

BEHAVIOUR

subscriptionVersionCancelDefinition,

subscriptionVersionCancelBehavior;

MODE CONFIRMED;

WITH INFORMATION SYNTAX LNP-ASN1.CancelAction;

WITH REPLY SYNTAX LNP-ASN1.CancelReply;

REGISTERED AS {LNP-OIDS.lnp-action 4};

subscriptionVersionCancelDefinition BEHAVIOUR

DEFINED AS !

The subscriptionVersionCancel action is the action that can be used by the SOA to cancel a subscription version via the SOA to NPAC SMS interface.

!;

subscriptionVersionCancelBehavior BEHAVIOUR

DEFINED AS !

Preconditions: This action is issued from an lnpSubscriptions object specifying the object or objects to be canceled by either the subscriptionVersionId, the subscriptionTN or a range of TNs (where the stop TN in the range is greater than the start TN).

Postconditions: The service provider has set the version status to cancel-pending if the other service provider has concurred, or to cancel if the other service provider has not concurred. An error will be returned if there is no version that can be canceled or the service provider is not authorized.

!;

-- 5.0 LNP Subscription Version Disconnect Action

subscriptionVersionDisconnect ACTION

BEHAVIOUR
subscriptionVersionDisconnectDefinition,
subscriptionVersionDisconnectBehavior;
MODE CONFIRMED;
WITH INFORMATION SYNTAX LNP-ASN1.DisconnectAction;
WITH REPLY SYNTAX LNP-ASN1.DisconnectReply;
REGISTERED AS {LNP-OIDS.lnp-action 5};
subscriptionVersionDisconnectDefinition BEHAVIOUR
DEFINED AS !
<u>The subscriptionVersionDisconnect action is the action that is</u>
<u>used by the SOA to disconnect a subscription version via the SOA to</u>
NPAC SMS interface.
<u>!;</u>
subscriptionVersionDisconnectBehavior BEHAVIOUR
DEFINED AS !
Preconditions: This action is issued from an lnpSubscriptions
object and specifies the object or objects to be disconnected by
either stating the subscriptionVersionId, the subscriptionTN or a
range of TNs (where the stop TN in the range is greater than the
start TN). In addition, the customer's disconnect date is
<u>specified. An optional effective release date can be specified for</u>
a time deferred disconnect.
<u>Subscription versions with subscriptionLNPType equal to 'pool'</u>
cannot be specified in the action.
Postconditions: The current service provider can disconnect an active
subscription version. An error will be returned to the service
provider if there is no active version. If there is a pending
version and an active version, the disconnect of the active
<u>subscription version will fail.</u>
If the version is active, no outstanding versions exist,
and the time stamp for disconnect has not been reached, the
subscription version will be modified with a version status of
disconnect-pending and the subscriptionEffectiveReleaseDate
set to the effective release date specified in the action.
If the version is active, there are no outstanding versions, and
the time stamp for effective release has not been specified, the
subscription version will be updated with a version status of
sending.
Schuting.
When the new subscription version status is set to sending either
immediately or at the date and time specified in the
subscriptionEffectiveReleaseDate, the broadcast time stamp is
set to the current time when the disconnect version sending starts
to the Local SMSs via the NPAC SMS to Local SMS interface.
U UNE DOCAT OMOS VIA UNE NEAC OMO LO DOCAT OMO INCETIACE.
Before the broadcast of deletes begins, the
subscriptionVersionDonorSP-CustomerDisconnectDate notification
is sent to the donor SOA informing the service provider of the
actual customer disconnect date.
accuar cabcomer arbeomeet aace.
If the delete requests are successful for all Local SMSs, the
current active version will have its version status marked as old

<pre>and the subscriptionDisconnectCompleteTimeStamp is set to the Current system date and time. If a delete request fails for the disconnect subscription version after the retry periods have expired, the version status will be set to active if all Local SMSs fail. J: - 6.0 LNP Subscription Version Local SMS Create Action subscriptionVersionLocalSMS-Create Action SubscriptionVersionLocalSMS-CreateDefinition, subscriptionVersionLocalSMS-CreateDefinition, subscriptionVersionLocalSMS-CreateDefinition, subscriptionVersionLocalSMS-CreateDefinition, subscriptionVersionLocalSMS-CreateDefinition, subscriptionVersionLocalSMS-CreateDefinition, subscriptionVersionLocalSMS-CreateDefinition, subscriptionVersionLocalSMS-CreateReply; RESISTERED AS (LNP-OND.lnp-action 61/2) subscriptionVersionLocalSMS-CreateDefinition DEHAVIOUR DEFINED AS (LNP-OND.lnp-action 61/2) subscriptionVersionLocalSMS-CreateDefinition versions via the Local SMS to NPAC SMS interface. l; subscriptionVersionLocalSMS-CreateDefinition SHAVIOUR DEFINED AS 1 Preconditions; This action is issued from an IngSubscriptions object specifying the objects in a range to be created by the subscriptionVersionVersion version create aubscriptionTM. All attribute values required for creation will be subscriptionTM. All attribute values required for creation will be subscription Action Action Action data. The Local SMS will attempt to create all the specified subscription versions. It will return the subscriptionVersionActionResults notification to the NPAC SMS informing it of the success or failure of the creation attempts. For Release 1.4 Number Pooling Support: There will be no need on the part of the TMS to validate the NPAC SMS and the Local SMS are the same. :; - 7.0 LNP Subsc</pre>	GDMO Definitions
<pre>current system date and time.     If a delete request fails for the disconnect subscription     version after the retry periods have expired, the version     status will be set to active if all Local SMSs fail. or set to     old if one or more, but not all, Local SMSs fail.     i.         - 6.0 LNP Subscription Version Local SMS Create Action     subscriptionVersionLocalSMS-CreateDefinition,         subscriptionVersionLocalSMS-CreateDefinition,         subscriptionVersionLocalSMS-CreateDefinition,         subscriptionVersionLocalSMS-CreateDefinition,         subscriptionVersionLocalSMS-CreateDefinition,         subscriptionVersionLocalSMS-CreateDefinition,         subscriptionVersionLocalSMS-CreateDefinition,         subscriptionVersionLocalSMS-CreateDefinition,         subscriptionVersionLocalSMS-CreateDefinition,         subscriptionVersionLocalSMS-CreateDefinition         WITH INFORMATION SYNTAX LNP-ASNI.LocalSMS-CreateDefinit         WITH INFORMATION SYNTAX LNP-ASNI.LocalSMS-CreateDefinit         befilter action that is         used by the NPAC SMS to createDefinition BEHAVIOUR         DEFINED AS 1         The subscriptionVersionLocalSMS-Create multiple subscription versions via the         Local SMS to NPAC SMS interface.         .i;         subscriptionVersionLocalSMS-CreateDefinitionTMIN, All attribute         values required for creation will be supplied,         Preconditions; This action is issued from an InpSubscriptions         object specifying the objects in a range to be created by         the subscriptionVersionId and the subscriptionTN. All attribute         values required for creation will be supplied,         Fostonditions; A successful reply indicates the Local SMS can         decipher the subscription version create action. An error will be         returned to the NPAC SMS if the Local SMS to validate         the INF-ARGN. The SMS will attempt to create all the specified subscription         versions. It will return the subscriptionVersionDefiects         to create the subscription ve</pre>	and the subscriptionDisconnectCompleteTimeStamp is set to the
<pre>If a delete request fails for the disconnect subscription version after the retry pariods have expired, the version status will be set to active if all local SMSs fail, or set to old if one or more, but not all, Local SMSs fail,</pre>	
<pre>version after the retry periods have expired, the version status will be set to active if all Local SMSs fail. </pre>	<u>current system date and time.</u>
<pre>version after the retry periods have expired, the version status will be set to active if all Local SMSs fail. </pre>	
<pre>version after the retry periods have expired, the version status will be set to active if all Local SMSs fail. </pre>	If a delete request fails for the disconnect subscription
<pre>status will be set to active if all Local SMSs fail, or set to</pre>	
<pre>old if one or more, but not all, Local SMSs fail</pre>	
<pre></pre>	
<pre></pre>	old if one or more, but not all, Local SMSs fail.
<pre></pre>	
<pre>subscriptionVersionLocalSMS-Create ACTION BEHAVIOUR subscriptionVersionLocalSMS-CreateDefinition, subscriptionVersionLocalSMS-CreateDefavior; MODE CONFIRMED; WITHE INFORMATION SYNTAX LNP-ASNI.LocalSMS-CreateRenly; REGISTERED AS LNP-OIDS.lnp-action 61; subscriptionVersionLocalSMS-CreateDefinition BEHAVIOUR DEFINED AS 1 The subscriptionVersionLocalSMS-Create action is the action that is used by the NPAC SMS to create multiple subscription versions via the Local SMS to NPAC SMS interface. 1/2 subscriptionVersionLocalSMS-CreateDefavior BEHAVIOUR DEFINED AS 1 Preconditions: This action is issued from an InpSubscriptions object specifying the objects in a range to be created by the subscriptionVersionId and the subscriptionN. All attribute values required for creation will be supplied. Postconditions: A successful reply indicates the Local SMS can decipher the subscription version create all the specified subscription versions. It will return the subscriptionNetsionActionResults notification to the NPAC SMS informing it of the success or failure of the creation attempts. For Release 1.4 Number Pooling Support: There will be no need on the part of the LSMS to validate the Th-range. The LSMS will use the subscriptionVersionDelects to create the subscriptionVersionSupport: There Subscription Version Modify Action subscriptionVersionModify ACTION EEHAVIOUE </pre>	
<pre>subscriptionVersionLocalSMS-Create ACTION BEHAVIOUR subscriptionVersionLocalSMS-CreateDefinition, subscriptionVersionLocalSMS-CreateDefavior; MODE CONFIRMED; WITHE INFORMATION SYNTAX LNP-ASNI.LocalSMS-CreateRenly; REGISTERED AS LNP-OIDS.lnp-action 61; subscriptionVersionLocalSMS-CreateDefinition BEHAVIOUR DEFINED AS 1 The subscriptionVersionLocalSMS-Create action is the action that is used by the NPAC SMS to create multiple subscription versions via the Local SMS to NPAC SMS interface. 1/2 subscriptionVersionLocalSMS-CreateDefavior BEHAVIOUR DEFINED AS 1 Preconditions: This action is issued from an InpSubscriptions object specifying the objects in a range to be created by the subscriptionVersionId and the subscriptionN. All attribute values required for creation will be supplied. Postconditions: A successful reply indicates the Local SMS can decipher the subscription version create all the specified subscription versions. It will return the subscriptionNetsionActionResults notification to the NPAC SMS informing it of the success or failure of the creation attempts. For Release 1.4 Number Pooling Support: There will be no need on the part of the LSMS to validate the Th-range. The LSMS will use the subscriptionVersionDelects to create the subscriptionVersionSupport: There Subscription Version Modify Action subscriptionVersionModify ACTION EEHAVIOUE </pre>	
<ul> <li>BEHAVIOUR         <ul> <li>Subscription/VersionLocalSMS-CreateDefinition,</li> <li>subscription/VersionLocalSMS-CreateDefavior;</li> <li>MODE CONFIRMED;</li> </ul> </li> <li>WITH REPLY SYNTAX LNP-ASNI.LocalSMS-CreateAction;</li> <li>WITH REPLY SYNTAX LNP-ASNI.LocalSMS-CreateAction is the action that is</li> <li>DEFINED AS 1</li> <li>The subscriptionVersionLocalSMS-Create multiple subscription versions via the Local SMS to NPAC SMS interface.</li> <li>Li</li> <li>SubscriptionVersionLocalSMS-CreateBehavior BEHAVIOUR</li> <li>DEFINED AS 1.</li> <li>Preconditions: This action is issued from an lnpSubscriptions         <ul> <li>object specifying the objects in a range to be created by             the subscriptionVersionId and the subscriptionN. All attribute             values required for creation will be supplied.</li> <li>Postconditions: A successful reply indicates the Local SMS can             decipher the subscription version create action. An error will be             returned to the NPAC SMS if the Local SMS cannot recognize the             action data.</li>             The Local SMS will attempt to create all the specified subscription             versions. It will return the subscriptionVersionActionResults             notification to the NPAC SMS informing it of the success or             failure of the creation attempts.</ul></li>             For Release 1.4 Number Pooling Support:             There will be no need on the part of the LSMS to validate             the NPAC SMS and the Local SMS are the same.</ul>	6.0 LNP Subscription Version Local SMS Create Action
<ul> <li>BEHAVIOUR         <ul> <li>Subscription/VersionLocalSMS-CreateDefinition,</li> <li>subscription/VersionLocalSMS-CreateBehavior;</li> <li>MODE CONFIRMED;</li> <li>WITH REPLY SYNTAX LNP-ASNI.LocalSMS-CreateAction;</li> <li>WITH REPLY SYNTAX LNP-ASNI.LocalSMS-CreateAction is the action that is</li> <li>used by the NPAC SMS to create multiple subscription versions via the</li> <li>Local SMS to NPAC SMS interface.</li> <li>Li</li> </ul> </li> <li>SubscriptionVersionLocalSMS-CreateBehavior BEHAVIOUR</li> <li>DEFINED AS 1.</li> <ul> <li>Preconditions: This action is issued from an lnpSubscriptions</li> <li>object specifying the objects in a range to be created by</li> <li>the subscriptionVersionId and the subscriptionTN. All attribute</li> <li>values required for creation will be supplied.</li> </ul> <li>Postconditions: A successful reply indicates the Local SMS can</li> <li>decipher the subscription version create action. An error will be</li> <li>returned to the NPAC SMS if the Local SMS cannot recognize the</li> <li>action data.</li> <li>The Local SMS will attempt to create all the specified subscription versions. It will return the subscriptionVersionActionResults</li> <li>notification to the NPAC SMS informing it of the success or</li> <li>failure of the creation attempts.</li> <li>For Release 1.4 Number Pooling Support:</li> <ul> <li>There will be no need on the</li></ul></ul>	
<ul> <li>BEHAVIOUR         <ul> <li>Subscription/VersionLocalSMS-CreateDefinition,</li> <li>subscription/VersionLocalSMS-CreateBehavior;</li> <li>MODE CONFIRMED;</li> <li>WITH REPLY SYNTAX LNP-ASNI.LocalSMS-CreateAction;</li> <li>WITH REPLY SYNTAX LNP-ASNI.LocalSMS-CreateAction is the action that is</li> <li>used by the NPAC SMS to create multiple subscription versions via the</li> <li>Local SMS to NPAC SMS interface.</li> <li>Li</li> </ul> </li> <li>SubscriptionVersionLocalSMS-CreateBehavior BEHAVIOUR</li> <li>DEFINED AS 1.</li> <ul> <li>Preconditions: This action is issued from an lnpSubscriptions</li> <li>object specifying the objects in a range to be created by</li> <li>the subscriptionVersionId and the subscriptionTN. All attribute</li> <li>values required for creation will be supplied.</li> </ul> <li>Postconditions: A successful reply indicates the Local SMS can</li> <li>decipher the subscription version create action. An error will be</li> <li>returned to the NPAC SMS if the Local SMS cannot recognize the</li> <li>action data.</li> <li>The Local SMS will attempt to create all the specified subscription versions. It will return the subscriptionVersionActionResults</li> <li>notification to the NPAC SMS informing it of the success or</li> <li>failure of the creation attempts.</li> <li>For Release 1.4 Number Pooling Support:</li> <ul> <li>There will be no need on the</li></ul></ul>	subscriptionVersionLessISMS-Create ACTION
<pre>subscriptionVersionLocalSMS-CreateDefinition, subscriptionVersionLocalSMS-CreateDefavior; MODE CONFIRMED; WITH INFORMATION SYNTAX INP-ASNI.LocalSMS-CreateAction; WITH REPLY SYNTAX INP-ASNI.LocalSMS-CreateAction; WITH REPLY SYNTAX INP-ASNI.LocalSMS-CreateAction; BEFINED AS 1 The subscriptionVersionLocalSMS-CreateDefinition BEHAVIOUR DEFINED AS 1 The subscriptionVersionLocalSMS-Create action is the action that is used by the NPAC SMS to create multiple subscription versions via the Local SMS to NPAC SMS interface. 1; subscriptionVersionLocalSMS-CreateBehavior BEHAVIOUR DEFINED AS 1 Preconditions: This action is issued from an InpSubscriptions object specifying the objects in a range to be created by the subscriptionVersionId and the subscriptionTN. All attribute values required for creation will be supplied. Postconditions: A successful reply indicates the Local SMS can decipher the subscription version create action. An error will be returned to the NPAC SMS if the Local SMS cannot recognize the action data. The Local SMS will attempt to create all the specified subscription versions. It will return the subscriptionVersionActionResults notification to the NPAC SMS informing it of the success or failure of the creation attempts. For Release 1.4 Number Pooling Support: There will be no need on the part of the LSMS to validate the TN-range. The LSMS will use the subscription version discussed in the NFAC SMS and the Local SMS are the same. 1: : : : : : : : : : : : : : : : : : :</pre>	
<pre>subscriptionVersionLocalSMS-CreateBehavior; MODE CONFIRMED; WITH INFORMATION SYNTAX LNP-ASN1.LocalSMS-CreateAction; WITH REPLY SYNTAX LNP-ASN1.LocalSMS-CreateReply; REGISTERED AS (LNP-OIDS.lnp-action 6); subscriptionVersionLocalSMS-CreateDefinition BEHAVIOUR DEFINED AS ! The subscriptionVersionLocalSMS-Create action is the action that is used by the NPAC SMS to create multiple subscription versions via the Local SMS to NPAC SMS interface. !; subscriptionVersionLocalSMS-CreateBehavior BEHAVIOUR DEFINED AS ! Preconditions: This action is issued from an InpSubscriptions object specifying the objects in a range to be created by the subscriptionVersionId and the subscriptionTN. All attribute values required for creation will be supplied. Postconditions: A successful reply indicates the Local SMS can decipher the subscription version create action. An error will be returned to the NPAC SMS if the Local SMS cannot recognize the action data. The Local SMS will attempt to create all the specified subscription versions. It will return the subscriptionVersionActionResults notification to the NPAC SMS informing it of the success or if failure of the creation attempts. For Release 1.4 Number Pooling Support: There will be no need on the part of the LSMS to validate the TN-range. The LSMS will use the subscriptionVersionObjects to create the subscription versions for the TN range in the LSMS. This is done to insure that the subscription version ids used in the NPAC SMS and the Local SMS are the same. !;  7.0 LNP Subscription Version Modify Action BEHAVIOUE</pre>	
<pre>subscriptionVersionLocalSMS-CreateBehavior; MODE CONFIRMED; WITH INFORMATION SYNTAX LNP-ASN1.LocalSMS-CreateAction; WITH REPLY SYNTAX LNP-ASN1.LocalSMS-CreateReply; REGISTERED AS (LNP-OIDS.lnp-action 6); subscriptionVersionLocalSMS-CreateDefinition BEHAVIOUR DEFINED AS ! The subscriptionVersionLocalSMS-Create action is the action that is used by the NPAC SMS to create multiple subscription versions via the Local SMS to NPAC SMS interface. !; subscriptionVersionLocalSMS-CreateBehavior BEHAVIOUR DEFINED AS ! Preconditions: This action is issued from an InpSubscriptions object specifying the objects in a range to be created by the subscriptionVersionId and the subscriptionTN. All attribute values required for creation will be supplied. Postconditions: A successful reply indicates the Local SMS can decipher the subscription version create action. An error will be returned to the NPAC SMS if the Local SMS cannot recognize the action data. The Local SMS will attempt to create all the specified subscription versions. It will return the subscriptionVersionActionResults notification to the NPAC SMS informing it of the success or if failure of the creation attempts. For Release 1.4 Number Pooling Support: There will be no need on the part of the LSMS to validate the TN-range. The LSMS will use the subscriptionVersionObjects to create the subscription versions for the TN range in the LSMS. This is done to insure that the subscription version ids used in the NPAC SMS and the Local SMS are the same. !;  7.0 LNP Subscription Version Modify Action BEHAVIOUE</pre>	subscriptionVersionLocalSMS-CreateDefinition,
<pre>MODE CONFIRMED; WITH INFORMATION SYNAX LNP-ASN1.LocalSMS-CreateAction; WITH REPLY SYNTAX LNP-ASN1.LocalSMS-CreateReply; REGISTERED AS (LNP-OIDS.Inp-action 6); subscriptionVersionLocalSMS-CreateDefinition BEHAVIOUR DEFINED AS 1 The subscriptionVersionLocalSMS-Create action is the action that is used by the NFAC SMS to create multiple subscription versions via the Local SMS to NFAC SMS to create multiple subscription versions via the Local SMS to NFAC SMS interface. 1; subscriptionVersionLocalSMS-CreateBehavior BEHAVIOUR DEFINED AS 1 Preconditions: This action is issued from an InpSubscriptions object specifying the objects in a range to be created by the subscriptionVersionId and the subscriptionTN. All attribute values required for creation will be supplied. Postconditions: A successful reply indicates the Local SMS can decipher the subscription version create action. An error will be returned to the NFAC SMS if the Local SMS cannot recognize the action data. The Local SMS will attempt to create all the specified subscription versions. It will return the subscriptionVersionActionResults notification to the NFAC SMS informing it of the success or failure of the creation attempts. For Release 1.4 Number Pooling Support: There will be no need on the part of the LSMS to validate the TN-range. The LSMS will use the subscriptionVersionObjects to create the subscription version for the TN range in the LSMS. This is done to insure that the subscription version ids used in the NFAC SMS and the Local SMS are the same. 1:/  7.0 LNP Subscription Version Modify Action BEHAVIOUE</pre>	
<pre>WITH INFORMATION SYNTAX LNP-ASN1.LocalSMS-CreateAction; WITH REFLY SYNTAX LNP-ASN1.LocalSMS-CreateAction; REGISTERED AS LNP-OIDS.lnp-action 61; subscriptionVersionLocalSMS-CreateDefinition BEHAVIOUR DEFINED AS 1 The subscriptionVersionLocalSMS-Create action is the action that is used by the NPAC SMS to create multiple subscription versions via the Local SMS to NPAC SMS to create multiple subscription versions via the Local SMS to NPAC SMS to create multiple subscription versions via the Local SMS to NPAC SMS to create multiple subscription versions via the Local SMS to NPAC SMS to create multiple subscriptions object specifying the objects in a range to be created by the subscriptionVersionLocalSMS-CreateBehavior EEHAVIOUR DEFINED AS 1 Preconditions: This action is issued from an InpSubscriptions object specifying the objects in a range to be created by the subscriptionVersionId and the subscriptionTN. All attribute values required for creation will be supplied. Postconditions: A successful reply indicates the Local SMS can decipher the subscription version create action. An error will be returned to the NPAC SMS if the Local SMS cannot recognize the action data. The Local SMS will attempt to create all the specified subscription versions. It will return the subscriptionVersionActionResults notification to the NPAC SMS informing it of the success or failure of the creation attempts. For Release 1.4 Number Pooling Support: There will be no need on the part of the LSMS to validate the TN-range. The LSMS will use the subscriptionVersionObjects to create the subscription versions for the TN range in the LSMS. This is done to insure that the subscription version ids used in the NPAC SMS and the Local SMS are the same. 1:  7.0 LNP Subscription Version Modify Action BEHAVIOUR</pre>	
<pre>WITH REFLY SYNTAX LNF-ASN1.LocalSMS-CreateReply; REGISTERED AS (LNP-OIDS.Inp-action 6); subscriptionVersionLocalSMS-CreateDefinition BEHAVIOUR DEFINED AS 1 The subscriptionVersionLocalSMS-Create action is the action that is used by the NFAC SMS to create multiple subscription versions via the Local SMS to NFAC SMS to create multiple subscription versions via the Local SMS to NFAC SMS interface. 1; subscriptionVersionLocalSMS-CreateBehavior BEHAVIOUR DEFINED AS 1 Preconditions: This action is issued from an InpSubscriptions object specifying the objects in a range to be created by the subscriptionVersionId and the subscriptionTN. All attribute values required for creation will be supplied. Postconditions: A successful reply indicates the Local SMS can decipher the subscription version create action. An error will be returned to the NFAC SMS if the Local SMS cannot recognize the action data. The Local SMS will attempt to create all the specified subscription versions. It will return the subscriptionVersionActionResults notification to the NFAC SMS informing it of the success or failure of the creation attempts. For Release 1.4 Number Fooling Support: There will be no need on the part of the LSMS to validate the TM-range. The LSMS will use the subscriptionVersionObjects to create the subscription versions for the TM range in the LSMS. This is done to insure that the subscription version ids used in the NFAC SMS and the Local SMS are the same. 1:  7.0 LNP Subscription Version Modify Action SubscriptionVersionModify ACTION EEHAVIOUE</pre>	
<pre>REGISTERED AS (LNP-OIDS.lnp-action 6); subscriptionVersionLocalSMS-CreateDefinition BEHAVIOUR DEFINED AS 1 The subscriptionVersionLocalSMS-Create action is the action that is used by the NPAC SMS to create multiple subscription versions via the Local SMS to NPAC SMS interface. 1; subscriptionVersionLocalSMS-CreateBehavior BEHAVIOUR DEFINED AS 1 Preconditions: This action is issued from an InpSubscriptions object specifying the objects in a range to be created by the subscriptionVersionId and the subscriptionTN. All attribute values required for creation will be supplied. Postconditions: A successful reply indicates the Local SMS can decipher the subscription version create action. An error will be returned to the NPAC SMS if the Local SMS cannot recognize the action data. The Local SMS will attempt to create all the specified subscription versions. It will return the subscriptionVersionActionResults notification to the NPAC SMS informing it of the success or failure of the creation attempts. For Release 1.4 Number Pooling Support: There will be no need on the part of the LSMS to validate the Therange. The LSMS will use the subscription versionObjects to create the subscription versions for the TN range in the LSMS. This is done to insure that the subscription version ids used in the NPAC SMS and the Local SMS are the same. 1;  7.0 LNP Subscription Version Modify Action BEHAVIOUE</pre>	WITH INFORMATION SYNTAX LNP-ASN1.LocalSMS-CreateAction;
<pre>REGISTERED AS (LNP-OIDS.lnp-action 6); subscriptionVersionLocalSMS-CreateDefinition BEHAVIOUR DEFINED AS 1 The subscriptionVersionLocalSMS-Create action is the action that is used by the NPAC SMS to create multiple subscription versions via the Local SMS to NPAC SMS interface. 1; subscriptionVersionLocalSMS-CreateBehavior BEHAVIOUR DEFINED AS 1 Preconditions: This action is issued from an InpSubscriptions object specifying the objects in a range to be created by the subscriptionVersionId and the subscriptionTN. All attribute values required for creation will be supplied. Postconditions: A successful reply indicates the Local SMS can decipher the subscription version create action. An error will be returned to the NPAC SMS if the Local SMS cannot recognize the action data. The Local SMS will attempt to create all the specified subscription versions. It will return the subscriptionVersionActionResults notification to the NPAC SMS informing it of the success or failure of the creation attempts. For Release 1.4 Number Pooling Support: There will be no need on the part of the LSMS to validate the Therange. The LSMS will use the subscription versionObjects to create the subscription versions for the TN range in the LSMS. This is done to insure that the subscription version ids used in the NPAC SMS and the Local SMS are the same. 1;  7.0 LNP Subscription Version Modify Action BEHAVIOUE</pre>	WITH REPLY SYNTAX LNP-ASN1 LocalSMS-CreateReply:
<pre>subscriptionVersionLocalSMS-CreateDefinition BEHAVIOUR DEFINED AS ! The subscriptionVersionLocalSMS-Create action is the action that is used by the NPAC SMS to create multiple subscription versions via the Local SMS to NPAC SMS interface. !! subscriptionVersionLocalSMS-CreateBehavior BEHAVIOUR DEFINED AS ! Preconditions: This action is issued from an InpSubscriptions object specifying the objects in a range to be created by the subscriptionVersionId and the subscriptionTN. All attribute values required for creation will be supplied. Postconditions: A successful reply indicates the Local SMS can decipher the subscription version create action. An error will be returned to the NPAC SMS if the Local SMS cannot recognize the action data. The Local SMS will attempt to create all the specified subscription versions. It will return the subscriptionVersionActionResults notification to the NPAC SMS in the subscriptionVersionObjects to create the subscription versions for the LSMS to validate the TM-range. The LSMS will use the subscriptionVersionObjects to create the subscription versions for the TN range in the LSMS. This is done to insure that the subscription version ids used in the NPAC SMS and the Local SMS are the same. !!;</pre>	
<pre>DEFINED AS !     The subscriptionVersionLocalSMS-Create action is the action that is     used by the NFAC SMS to create multiple subscription versions via the     Local SMS to NFAC SMS interface.     !!     subscriptionVersionLocalSMS-CreateBehavior BEHAVIOUR     DEFINED AS !     Preconditions: This action is issued from an InpSubscriptions     object specifying the objects in a range to be created by     the subscriptionVersionId and the subscriptionTN. All attribute     values required for creation will be supplied.     Postconditions: A successful reply indicates the Local SMS can     decipher the subscription version create action. An error will be     returned to the NFAC SMS if the Local SMS cannot recognize the     action data.     The Local SMS will attempt to create all the specified subscription     versions. It will return the subscriptionVersionActionResults     notification to the NFAC SMS informing it of the success or     failure of the creation attempts.     For Release 1.4 Number Pooling Support:     There will be no need on the part of the LSMS to validate     the TN-range. The LSMS will use the subscriptionVersionObjects     to create the subscription versions for the TN range in the LSMS.     This is done to insure that the subscription version ids used     in the NFAC SMS and the Local SMS are the same.     !!:     7.0 LNP Subscription Version Modify Action     BEHAVIOUR </pre>	REGISTERED AS {LNP-OIDS.IND-ACTION 6};
<pre>DEFINED AS !     The subscriptionVersionLocalSMS-Create action is the action that is     used by the NPAC SMS to create multiple subscription versions via the     Local SMS to NPAC SMS interface.     !!     subscriptionVersionLocalSMS-CreateBehavior BEHAVIOUR     DEFINED AS !     Preconditions: This action is issued from an InpSubscriptions     object specifying the objects in a range to be created by     the subscriptionVersionId and the subscriptionTN. All attribute     values required for creation will be supplied.     Postconditions: A successful reply indicates the Local SMS can     decipher the subscription version create action. An error will be     returned to the NPAC SMS if the Local SMS cannot recognize the     action data.     The Local SMS will attempt to create all the specified subscription     versions. It will return the subscriptionVersionActionResults     notification to the NPAC SMS informing it of the success or     failure of the creation attempts.     For Release 1.4 Number Pooling Support:     There will be no need on the part of the LSMS to validate     the TN-range. The LSMS will use the subscriptionVersionObjects     to create the subscription versions for the TN range in the LSMS.     This is done to insure that the subscription version ids used     in the NPAC SMS and the Local SMS are the same.     !!     7.0 LNP Subscription Version Modify Action     BEHAVIOUR </pre>	
<pre>DEFINED AS !     The subscriptionVersionLocalSMS-Create action is the action that is     used by the NPAC SMS to create multiple subscription versions via the     Local SMS to NPAC SMS interface.     !!     subscriptionVersionLocalSMS-CreateBehavior BEHAVIOUR     DEFINED AS !     Preconditions: This action is issued from an InpSubscriptions     object specifying the objects in a range to be created by     the subscriptionVersionId and the subscriptionTN. All attribute     values required for creation will be supplied.     Postconditions: A successful reply indicates the Local SMS can     decipher the subscription version create action. An error will be     returned to the NPAC SMS if the Local SMS cannot recognize the     action data.     The Local SMS will attempt to create all the specified subscription     versions. It will return the subscriptionVersionActionResults     notification to the NPAC SMS informing it of the success or     failure of the creation attempts.     For Release 1.4 Number Pooling Support:     There will be no need on the part of the LSMS to validate     the TN-range. The LSMS will use the subscriptionVersionObjects     to create the subscription versions for the TN range in the LSMS.     This is done to insure that the subscription version ids used     in the NPAC SMS and the Local SMS are the same.     !!     7.0 LNP Subscription Version Modify Action     BEHAVIOUR </pre>	subscriptionVersionLocalSMS-CreateDefinition BEHAVIOUR
The subscriptionVersionLocalSMS-Create action is the action that is used by the NPAC SMS to create multiple subscription versions via the Local SMS to NPAC SMS interface. 1: subscriptionVersionLocalSMS-CreateBehavior BEHAVIOUR DEFINED AS 1 Preconditions: This action is issued from an InpSubscriptions object specifying the objects in a range to be created by the subscriptionVersionId and the subscriptionTN. All attribute values required for creation will be supplied. Postconditions: A successful reply indicates the Local SMS can decipher the subscription version create action. An error will be returned to the NPAC SMS if the Local SMS cannot recognize the action data. The Local SMS will attempt to create all the specified subscription versions. It will return the subscriptionVersionActionResults notification to the NPAC SMS informing it of the success or failure of the creation attempts. For Release 1.4 Number Pooling Support: There will be no need on the part of the LSMS to validate the TN-range. The LSMS will use the subscriptionVersionObjects to create the subscription versions for the TN range in the LSMS. This is done to insure that the subscription version ids used in the NPAC SMS and the Local SMS are the same. 1: 7.0 LNP Subscription Version Modify Action BEHAVIOUR	
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Local SMS to NPAC SMS interface. - !; subscriptionVersionLocalSMS-CreateBehavior BEHAVIOUR DEFINED AS ! Preconditions: This action is issued from an InpSubscriptions object specifying the objects in a range to be created by the subscriptionVersionId and the subscriptionTN. All attribute values required for creation will be supplied. Postconditions: A successful reply indicates the Local SMS can decipher the subscription version create action. An error will be returned to the NPAC SMS if the Local SMS cannot recognize the action data. The Local SMS will attempt to create all the specified subscription versions. It will return the subscriptionVersionActionResults notification to the NPAC SMS informing it of the success or failure of the creation attempts. For Release 1.4 Number Pooling Support: There will be no need on the part of the LSMS to validate the TN-range. The LSMS will use the subscription VersionObjects to create the subscription versions for the TN range in the LSMS. This is done to insure that the subscription version ids used in the NPAC SMS and the Local SMS are the same. :: 7.0 LNP Subscription Version Modify Action BEHAVIOUR	<u>The subscriptionVersionLocalSMS-Create action is the action that is</u>
Local SMS to NPAC SMS interface. - !; subscriptionVersionLocalSMS-CreateBehavior BEHAVIOUR DEFINED AS ! Preconditions: This action is issued from an InpSubscriptions object specifying the objects in a range to be created by the subscriptionVersionId and the subscriptionTN. All attribute values required for creation will be supplied. Postconditions: A successful reply indicates the Local SMS can decipher the subscription version create action. An error will be returned to the NPAC SMS if the Local SMS cannot recognize the action data. The Local SMS will attempt to create all the specified subscription versions. It will return the subscriptionVersionActionResults notification to the NPAC SMS informing it of the success or failure of the creation attempts. For Release 1.4 Number Pooling Support: There will be no need on the part of the LSMS to validate the TN-range. The LSMS will use the subscription VersionObjects to create the subscription versions for the TN range in the LSMS. This is done to insure that the subscription version ids used in the NPAC SMS and the Local SMS are the same. :: 7.0 LNP Subscription Version Modify Action BEHAVIOUR	used by the NPAC SMS to create multiple subscription versions via the
<pre>!: subscriptionVersionLocalSMS-CreateBehavior BEHAVIOUR DEFINED AS ! Preconditions: This action is issued from an InpSubscriptions object specifying the objects in a range to be created by the subscriptionVersionId and the subscriptionTN. All attribute values required for creation will be supplied. Postconditions: A successful reply indicates the Local SMS can decipher the subscription version create action. An error will be returned to the NPAC SMS if the Local SMS cannot recognize the action data. The Local SMS will attempt to create all the specified subscription versions. It will return the subscriptionVersionActionResults notification to the NPAC SMS informing it of the success or failure of the creation attempts. For Release 1.4 Number Pooling Support: There will be no need on the part of the LSMS to validate the TN-range. The LSMS will use the subscription VersionObjects to create the subscription versions for the TN range in the LSMS. This is done to insure that the subscription version ids used in the NPAC SMS and the Local SMS are the same.</pre>	
<pre>subscriptionVersionLocalSMS-CreateBehavior BEHAVIOUR DEFINED AS ! Preconditions: This action is issued from an InpSubscriptions object specifying the objects in a range to be created by the subscriptionVersionId and the subscriptionTN. All attribute values required for creation will be supplied. Postconditions: A successful reply indicates the Local SMS can decipher the subscription version create action. An error will be returned to the NPAC SMS if the Local SMS cannot recognize the action data. The Local SMS will attempt to create all the specified subscription versions. It will return the subscriptionVersionActionResults notification to the NPAC SMS informing it of the success or failure of the creation attempts. For Release 1.4 Number Pooling Support: There will be no need on the part of the LSMS to validate the TN-range. The LSMS will use the subscriptionVersionObjects to create the subscription versions for the TN range in the LSMS. This is done to insure that the subscription version ids used in the NPAC SMS and the Local SMS are the same. !!;  7.0 LNP Subscription Version Modify Action BEHAVIOUR</pre>	
DEFINED AS !         Preconditions: This action is issued from an lnpSubscriptions         object specifying the objects in a range to be created by         the subscriptionVersionId and the subscriptionTN. All attribute         values required for creation will be supplied.         Postconditions: A successful reply indicates the Local SMS can         decipher the subscription version create action. An error will be         returned to the NPAC SMS if the Local SMS cannot recognize the         action data.         The Local SMS will attempt to create all the specified subscription         versions. It will return the subscriptionVersionActionResults         notification to the NPAC SMS informing it of the success or         failure of the creation attempts.         For Release 1.4 Number Pooling Support:         There will be no need on the part of the LSMS to validate         the TN-range. The LSMS will use the subscriptionVersionObjects         to create the subscription versions for the TN range in the LSMS.         This is done to insure that the subscription version ids used         in the NPAC SMS and the Local SMS are the same.         !:         7.0 LNP Subscription Version Modify Action         SubscriptionVersionModify ACTION         BEHAVIOUR	! <u>;</u>
<pre>decipher the subscription version create action. An error will be     returned to the NPAC SMS if the Local SMS cannot recognize the     action data.      The Local SMS will attempt to create all the specified subscription     versions. It will return the subscriptionVersionActionResults     notification to the NPAC SMS informing it of the success or     failure of the creation attempts.     For Release 1.4 Number Pooling Support:     There will be no need on the part of the LSMS to validate     the TN-range. The LSMS will use the subscriptionVersionObjects     to create the subscription versions for the TN range in the LSMS.     This is done to insure that the subscription version ids used     in the NPAC SMS and the Local SMS are the same.     !:     7.0 LNP Subscription Version Modify Action     subscriptionVersionModify ACTION     BEHAVIOUR</pre>	DEFINED AS !Preconditions: This action is issued from an lnpSubscriptionsobject specifying the objects in a range to be created bythe subscriptionVersionId and the subscriptionTN. All attribute
<pre>versions. It will return the subscriptionVersionActionResults notification to the NPAC SMS informing it of the success or failure of the creation attempts. For Release 1.4 Number Pooling Support: There will be no need on the part of the LSMS to validate the TN-range. The LSMS will use the subscriptionVersionObjects to create the subscription versions for the TN range in the LSMS. This is done to insure that the subscription version ids used in the NPAC SMS and the Local SMS are the same. </pre>	decipher the subscription version create action. An error will be returned to the NPAC SMS if the Local SMS cannot recognize the
There will be no need on the part of the LSMS to validate the TN-range. The LSMS will use the subscriptionVersionObjects to create the subscription versions for the TN range in the LSMS. This is done to insure that the subscription version ids used in the NPAC SMS and the Local SMS are the same. !: 7.0 LNP Subscription Version Modify Action SubscriptionVersionModify ACTION BEHAVIOUR	versions. It will return the subscriptionVersionActionResults notification to the NPAC SMS informing it of the success or failure of the creation attempts.
the TN-range. The LSMS will use the subscriptionVersionObjects         to create the subscription versions for the TN range in the LSMS.         This is done to insure that the subscription version ids used         in the NPAC SMS and the Local SMS are the same.         !;         7.0 LNP Subscription Version Modify Action         subscriptionVersionModify ACTION         BEHAVIOUR	For Release 1.4 Number Pooling Support:
subscriptionVersionModify ACTION BEHAVIOUR	the TN-range. The LSMS will use the subscriptionVersionObjects to create the subscription versions for the TN range in the LSMS. This is done to insure that the subscription version ids used in the NPAC SMS and the Local SMS are the same.
BEHAVIOUR	7.0 LNP Subscription Version Modify Action
	BEHAVIOUR

subscriptionVersionModifyBehavior;	
MODE CONFIRMED;	
WITH INFORMATION SYNTAX LNP-ASN1.ModifyAction;	
WITH REPLY SYNTAX LNP-ASN1.ModifyReply;	
REGISTERED AS {LNP-OIDS.lnp-action 7};	
subscriptionVersionModifyDefinition BEHAVIOUR	
DEFINED AS !	
The subscriptionVersionModify action is the action that c	an ha
used by the SOA to modify a subscription version via the	
	SUA LU
<u>NPAC SMS interface.</u>	
! <i>;</i>	
subscriptionVersionModifyBehavior BEHAVIOUR	
DEFINED AS !	
Preconditions: This action is issued from an lnpSubscript	
the subscriptionVersionId or by specifying the subscripti	
a range of TNs (where the stop TN in the range is greater	
the start TN) and the status of the subscription version.	A11
attribute values to be modified shall also be specified.	
Postconditions: The NPAC SMS has modified the subscriptic	<u>on</u>
version. An error will be returned to the service provid	
there is no version that is modifiable or if the modification	<u>tion fails</u>
due to authorization of the service provider or data vali	<u>dation.</u>
Subscription versions with subscriptionLNPType equal to '	<u>pool'</u>
cannot be specified in the action.	
Service Providers can modify attributes associated with a	<u>ictive,</u>
pending or conflict subscription versions.	
Old service providers can only modify the following attri	<u>butes</u>
for pending or conflict subscription versions:	
<u>subscriptionOldSP-DueDate</u>	
<u>subscriptionOldSP-Authorization</u>	
subscriptionStatusChangeCauseCode	
The subscriptionStatusChangeCauseCode is an optional fiel	<u>d and is</u>
only specified if the subscriptionOldSP-Authorization is	false.
New service providers can only modify the following attri	<u>butes</u>
for pending or conflict subscription versions:	
<u>subscriptionLRN</u>	
<u>subscriptionNewSP-DueDate</u>	
<u>subscriptionCLASS-DPC</u>	
subscriptionCLASS-SSN	
subscriptionLIDB-DPC	
subscriptionLIDB-SSN	
subscriptionCNAM-DPC	
subscriptionCNAM-SSN	
subscriptionISVM-DPC	
subscriptionISVM-SSN	
subscriptionEndUserLocationValue	
subscriptionEndUserLocationType	
· · · · · · · · · · · · · · · · · · ·	

subscriptionBillingId
<u>New service providers may specify modified valid values for the</u>
following attributes, when the service provider's "SOA WSMSC DPC SSN
Data" indicator is TRUE, and may NOT specify these values when the
indicator is set to FALSE:
subscriptionWSMSC-DPC
Validation will be done for both old and new service provider
data that is specified for pending or conflict
subscription versions.
If validation fails no changes will be made and an error
will be returned. If validation passes, the version will be
modified and remain in a pending or active state.
New service providers can only modify the following attributes
for active subscription versions:
subscriptionLRN
subscriptionCLASS-DPC
subscriptionCLASS-SSN
subscriptionLIDB-DPC
subscriptionLIDB-SSN
subscriptionCNAM-DPC
subscriptionCNAM-SSN
subscriptionISVM-DPC
subscriptionISVM-SSN
subscriptionEndUserLocationValue
subscriptionEndUserLocationType
subscriptionBillingId
New service providers may specify modified valid values for the
following attributes, when the service provider's "SOA WSMSC DPC SSN
Data" indicator is TRUE, and may NOT specify these values when the
indicator is set to FALSE:
subscriptionWSMSC-DPC
subscriptionWSMSC-SSN
If the data specified passes validation, the modified version
is immediately broadcast. The modified subscription version will have
a status of sending and broadcasts will begin. If validation fails,
no changes will be made and an error will be returned in the action
reply.
! <u>;</u>
8.0 LNP New Service Provider Cancellation Acknowledge Request
subscriptionVersionNewSP-CancellationAcknowledge ACTION
BEHAVIOUR
subscriptionVersionNewSP-CancellationAcknowledgeDefinition,
<pre>subscriptionVersionNewSP-CancellationAcknowledgeBehavior;</pre>
MODE CONFIRMED;
WITH INFORMATION SYNTAX LNP-ASN1.CancellationAcknowledgeAction;

<pre>WITH REFLY SYNTAX LNP-ASN1.CancellationAcknowledgeReply; REGISTERED AS (LNP-OIDS.Inp-action 8); </pre>
<pre>REGISTERED AS (INP-OIDS.lnp-action 8);</pre>
<pre>subscriptionVersionNewSP-CancellationAcknowledgeDefinition BEHAVIOUR DEFINED AS 1 The subscriptionVersionNewSP-CancellationAcknowledge action is the action that is used via the SOA to NFAC SMS interface by the new service provider to acknowledge cancellation of a subscriptionVersionNPAC with a status of cancellation of the subscriptionNPAC with a status of cancellation of the subscriptionNPAC with a status of object specifying the object or objects to be acknowledged by either the subscriptionVersionId, the subscriptionN or a range of subscriptionNewSP-CancellationAcknowledgeBehavior a range of subscription version. An error will be returned to the service provider if no version exists that can have the cancellation acknowledged or if the acknowledgement falls due to the service provider not being authorized to perform the action. The subscriptionNewSP-CancellationTimeStamp will be updated to the current time if the action is successful and the version status is changed to cancel. 1/2  10.0 LNP SubscriptionVersionRemoveFromConflictDefinition, subscriptionVersionRemoveFromConflictDefinition, subscriptionVersionRemoveFromConflictDefinition, subscriptionVersionRemoveFromConflictDefinition, subscriptionVersionRemoveFromConflictDefinition, subscriptionVersionRemoveFromConflictDefinition, subscriptionVersionRemoveFromConflictDefinition, subscriptionVersionRemoveFromConflictDefinition BEHAVIOUR DEFINED AS 1 The subscriptionVersionRemoveFromConflictDefinition action is the action that is used via the SOA to NPAC SMS interface by either the old or new service provider to set the subscriptionVersionRemoveFromConflict behavior is the action that is used via the SOA to NPAC SMS interface by either the old or new service provid</pre>
<pre>DEFINED AS !     The subscriptionVersionNewSP-CancellationAcknowledge action     is the action that is used via the SOA to NPAC     SWS interface by the new service provider to acknowledge     cancellation of a subscriptionVersionNPAC with a status of     cancellation end of the object or objects to be acknowledged by either     the subscriptionVersionId, the subscriptionTN or a range of     subscriptionTNN (where the stop TN in the range is oreater than     the start TN).     Postconditions: The service provider has acknowledged the     subscription version. An error will be returned to the service     provider if no version exists that can have the cancellation     acknowledged or if the acknowledgement fails due to     the service provider not being authorized to perform the action.     The subscriptionNewSP-CancellationTimeStamp will be     updated to the current time if the action is successful and the     version status is changed to cancel.     !:     10.0 LNP Subscription VersionRemoveFromConflictDefinition,     subscriptionVersionRemoveFromConflictDefinition,     subscriptionVersionRemoveFromConflictDefinition,     subscriptionVersionRemoveFromConflictDefinition,     subscriptionVersionRemoveFromConflictDefinition,     subscriptionVersionRemoveFromConflictDefinition,     subscriptionVersionRemoveFromConflictDefinition,     subscriptionVersionRemoveFromConflictDefinition Set (S interface by either the old or new service provider to set the     subscriptionVersionRemoveFromConflictDefinition Defined AS 1.     The subscription version status from conflict to pending.     i;     subscriptionVersionRemoveFromConflictBehavior BEH</pre>
<pre>DEFINED AS !     The subscriptionVersionNewSP-CancellationAcknowledge action     is the action that is used via the SOA to NPAC     SWS interface by the new service provider to acknowledge     cancellation of a subscriptionVersionNPAC with a status of     cancellation end of the object or objects to be acknowledged by either     the subscriptionVersionId, the subscriptionTN or a range of     subscriptionTNN (where the stop TN in the range is oreater than     the start TN).     Postconditions: The service provider has acknowledged the     subscription version. An error will be returned to the service     provider if no version exists that can have the cancellation     acknowledged or if the acknowledgement fails due to     the service provider not being authorized to perform the action.     The subscriptionNewSP-CancellationTimeStamp will be     updated to the current time if the action is successful and the     version status is changed to cancel.     !:     10.0 LNP Subscription VersionRemoveFromConflictDefinition,     subscriptionVersionRemoveFromConflictDefinition,     subscriptionVersionRemoveFromConflictDefinition,     subscriptionVersionRemoveFromConflictDefinition,     subscriptionVersionRemoveFromConflictDefinition,     subscriptionVersionRemoveFromConflictDefinition,     subscriptionVersionRemoveFromConflictDefinition,     subscriptionVersionRemoveFromConflictDefinition Set (S interface by either the old or new service provider to set the     subscriptionVersionRemoveFromConflictDefinition Defined AS 1.     The subscription version status from conflict to pending.     i;     subscriptionVersionRemoveFromConflictBehavior BEH</pre>
The subscriptionVersionRewSP-CancellationAcknowledge action is the action that is used via the SOA to NFAC SMS interface by the new service provider to acknowledge cancellation of a subscriptionVersionNPAC with a status of cancel-pending. 1: subscriptionVersionNewSP-CancellationAcknowledgeBehavior BEHAVIOUR DEFINED AS ! Preconditions: This action was issued from an lnpSubscriptions object specifying the object or objects to be acknowledged by either the subscriptionVersionId, the subscriptionIN or a range of subscriptionTNs (where the stop TN in the range is greater than the start TN). Postconditions: The service provider has acknowledged the subscription version. An error will be returned to the service provider in o version exists that can have the cancellation acknowledged or if the acknowledgement fails due to the service provider not being authorized to perform the action. The subscriptionNewSP-CancellationTimeStamp will be updated to the current time if the action is successful and the version status is changed to cancel. 1; 10.0 LNP Subscription Version Remove From Conflict subscriptionVersionRemoveFromConflict ACTION BEHAVIOUR subscriptionVersionRemoveFromConflictBehavior; MOTH INFORMATION SYNTAX LNP-ASNL.RemoveFromConflictAction; WITH REPLY SYNTAX LNP-ASNL.RemoveFromConflictAction; WITH REPLY SYNTAX LNP-ASNL.RemoveFromConflictAction; WITH REPLY SYNTAX LNP-ASNL.RemoveFromConflictAction is the action that is used via the SOA to NFAC SNS interface by either the old or new service provider to set the subscriptionVersionRemoveFromConflictBehavior BEHAVIOUR DEFINED AS ! subscriptionVersionRemoveFromConflictBehavior BEHAVIOUR
<pre>is the action that is used via the SOA to NPAC SMS interface by the new service provider to acknowledge cancellation of a subscriptionVersionNPAC with a status of cancel-pending. 1; subscriptionVersionNewSP-CancellationAcknowledgeBehavior BEHAVIOUR DEFINED AS 1 Preconditions: This action was issued from an InpSubscriptions object specifying the object or objects to be acknowledged by either the subscriptionVersionId, the subscriptionTN or a range of subscriptionTNs (where the stop TN in the range is greater than the start TN). Postconditions: The service provider has acknowledged the subscription version. An error will be returned to the service provider if no version exist that can have the cancellation acknowledged or if the acknowledgement fails due to the service provider not being authorized to perform the action. The subscriptionNewSP-CancellationTimeStamp will be updated to the current time if the action is successful and the version status is changed to cancel. 1; </pre>
<pre>is the action that is used via the SOA to NPAC SMS interface by the new service provider to acknowledge cancellation of a subscriptionVersionNPAC with a status of cancel-pending. 1; subscriptionVersionNewSP-CancellationAcknowledgeBehavior BEHAVIOUR DEFINED AS 1 Preconditions: This action was issued from an InpSubscriptions object specifying the object or objects to be acknowledged by either the subscriptionVersionId, the subscriptionTN or a range of subscriptionTNs (where the stop TN in the range is greater than the start TN). Postconditions: The service provider has acknowledged the subscription version. An error will be returned to the service provider if no version exist that can have the cancellation acknowledged or if the acknowledgement fails due to the service provider not being authorized to perform the action. The subscriptionNewSP-CancellationTimeStamp will be updated to the current time if the action is successful and the version status is changed to cancel. 1; </pre>
<pre>SMS interface by the new service provider to acknowledge cancellation of a subscriptionVersionNPAC with a status of cancel-pending. ]; subscriptionVersionNewSP-CancellationAcknowledgeBehavior BEHAVIOUR DEFINED AS 1 Preconditions: This action was issued from an InpSubscriptions object specifying the object or objects to be acknowledged by either the subscriptionTNs (where the stop TN in the range is greater than the start TN). Postconditions: The service provider has acknowledged the subscriptionTNs (where the stop TN in the range is greater than the start TN). Postconditions: The service provider has acknowledged the subscription version. An error will be returned to the service provider if no version exists that can have the cancellation acknowledged or if the acknowledgement fails due to the service provider not being authorized to perform the action. The subscriptionNewSP-CancellationTimeStamp will be updated to the current time if the action is successful and the version status is changed to cancel.</pre>
<pre>cancellation of a subscriptionVersionNFAC with a status of</pre>
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REGISTERED AS {LNP-OIDS.lnp-action 10};         subscriptionVersionRemoveFromConflictDefinition BEHAVIOUR         DEFINED AS !         The subscriptionVersionRemoveFromConflict action         is the action that is used via the SOA to NPAC         SMS interface by either the old or new service provider to set the         subscription version status from conflict to pending.         !:       subscriptionVersionRemoveFromConflictBehavior BEHAVIOUR
subscriptionVersionRemoveFromConflictDefinition BEHAVIOUR         DEFINED AS !         The subscriptionVersionRemoveFromConflict action         is the action that is used via the SOA to NPAC         SMS interface by either the old or new service provider to set the         subscription version status from conflict to pending.         !;         subscriptionVersionRemoveFromConflictBehavior BEHAVIOUR
DEFINED AS !         The subscriptionVersionRemoveFromConflict action         is the action that is used via the SOA to NPAC         SMS interface by either the old or new service provider to set the         subscription version status from conflict to pending.         !;         subscriptionVersionRemoveFromConflictBehavior BEHAVIOUR
DEFINED AS !         The subscriptionVersionRemoveFromConflict action         is the action that is used via the SOA to NPAC         SMS interface by either the old or new service provider to set the         subscription version status from conflict to pending.         !;         subscriptionVersionRemoveFromConflictBehavior BEHAVIOUR
The subscriptionVersionRemoveFromConflict action         is the action that is used via the SOA to NPAC         SMS interface by either the old or new service provider to set the         subscription version status from conflict to pending.         !:         subscriptionVersionRemoveFromConflictBehavior BEHAVIOUR
is the action that is used via the SOA to NPAC SMS interface by either the old or new service provider to set the subscription version status from conflict to pending. !: subscriptionVersionRemoveFromConflictBehavior BEHAVIOUR
is the action that is used via the SOA to NPAC SMS interface by either the old or new service provider to set the subscription version status from conflict to pending. !: subscriptionVersionRemoveFromConflictBehavior BEHAVIOUR
SMS interface by either the old or new service provider to set the subscription version status from conflict to pending.         !:         subscriptionVersionRemoveFromConflictBehavior BEHAVIOUR
subscription version status from conflict to pending. :: subscriptionVersionRemoveFromConflictBehavior BEHAVIOUR
:: subscriptionVersionRemoveFromConflictBehavior BEHAVIOUR
subscriptionVersionRemoveFromConflictBehavior BEHAVIOUR
subscriptionVersionRemoveFromConflictBehavior BEHAVIOUR
L DEFINED AS !
Preconditions: This action was issued from an lnpSubscriptions
object specifying the object or objects to be updated by either
the subscriptionVersionId, the subscriptionTN or a range of
subscriptionTNs (where the stop TN in the range is greater than
the start TN).

GDMO Demiti
Postconditions: The NPAC SMS has acknowledged the
subscription version. An error will be returned to the service
provider if there is no version that can have the conflict
status removed or if the service provider is not authorized to
perform the action.
If the action is successful, either the
subscriptionNewSPConflictResolutionTimeStamp or
subscriptionOldSP-ConflictResolutionTimeStamp will be updated to
the current time, the version status will be changed from conflict
to pending, and the subscriptionOldSP-Authorization attribute
will be modified to true.
If the old service provider issues the action, the
<u>subscriptionOldSP-AuthorizationTimeStamp is also updated to the</u>
current date and time.
!;
11.0 LNP New Service Provider Subscription Version Create
subscriptionVersionNewSP-Create ACTION
BEHAVIOUR
subscriptionVersionNewSP-CreateDefinition,
subscriptionVersionNewSP-CreateBehavior;
MODE CONFIRMED;
WITH INFORMATION SYNTAX LNP-ASN1.NewSP-CreateAction;
WITH REPLY SYNTAX LNP-ASN1.NewSP-CreateReply;
REGISTERED AS {LNP-OIDS.lnp-action 11};
subscriptionVersionNewSP-CreateDefinition BEHAVIOUR
DEFINED AS !
The subscriptionVersionNewSP-Create action is the action that is
used via the SOA to NPAC SMS interface by the
new service provider to create a new subscriptionVersionNPAC.
<u>!;</u>
subscriptionVersionNewSP-CreateBehavior BEHAVIOUR
DEFINED AS !
Preconditions: This action is issued from an lnpSubscriptions
object. Creates can be performed provided there is only one
<u>currently active subscription or no subscription version in the</u>
NPAC; otherwise an action failure will be returned.
The new service provider must specify valid values for the
<u>following attributes:</u>
subscriptionTN or a valid subscriptionVersionTN-Range
subscriptionLRN
subscriptionNewCurrentSP
subscriptionOldSP
subscriptionNewSP-DueDate
subscriptionCLASS-DPC
SubscriptionCLASS-SSN
SubscriptionLIDB-DPC
SubscriptionLIDB-SSN
subscriptionCNAM-DPC
subscriptionCNAM-SSN
subscriptionISVM-DPC

	GDMO Definitions
S	ubscriptionISVM-SSN
	ubscriptionLNPType
S	ubscriptionPortingToOriginal-SPSwitch
_	
	he new service provider must specify valid values for the following
	ttributes, when the service provider's "SOA WSMSC DPC SSN Data"
	ndicator is TRUE, and must NOT specify these values when the
1	ndicator is set to FALSE:
s	ubscriptionWSMSC-DPC
	ubscriptionWSMSC-SSN
T	<u>he new service provider may specify valid values for the</u>
f	ollowing attributes:
	ubscriptionEndUserLocationValue
	ubscriptionEndUserLocationType
<u>S</u>	ubscriptionBillingId
9	ubscriptionPortingToOriginal-SPSwitch can only be specified as
	RUE for a TN that is currently ported and is being ported back
	o the original service provider. If the value of
	ubscriptionPortingToOriginal-SPSwitch is TRUE, the LRN and GTT data
	hould be specified as NULL. If the variable is TRUE,
	hen the activate occurs for the subscription version, the Local
	MSs will receive a request to delete the old subscription version
r	outing data in their networks. They will not receive any
n	ew network routing data for the subscription. Concurrence from the
0	<u>ld service provider is required.</u>
	f the port of the subscription version is an intra-service
	rovider port, the new service provider can use the
	ubscriptionVersionNewSP-Create action specifying the old service rovider equal to the new service provider. In this case, the
	ld service provider create action is not required.
0	id service provider create action is not required.
Р	ostconditions: After this action has been executed, if
	he data specified passes validation, a pending subscription
	ersion or range of subscription versions will exist in the
	PAC SMS. These validations are done as follows:
	<u>ubscriptionTN or range of TNs are valid in a range open for</u>
	orting by the new service provider. TN ranges must be specified
W	here the stop TN in the range is greater than the start TN.
S	ubscriptionLNPType is specified to be "LSPP" or "LISP".
9	ubscriptionNewSP-DueDate is a future date. If not specified,
	he time defaults to 00:00.00.
0	ld and New SP are valid service providers in the NPAC SMS.
L	RN data is associated with the New Service Provider.
Т	f a pre-existing version exists, validation will be done to insure
	hat the new service provider previously specified is the same
	s the executor of the action.

GDMO Definitions
If the validations succeed and the subscription version does not
currently exist, a new subscription version will be created with
a status of pending.
If the validations succeed and a pending subscription version exists,
the new service provider create information will be applied to the
existing pending subscription version.
CRIBEING PENding Subbeription Verbion.
If the validations fail, a new subscription version will not
be created if one does not exist. If one already existed, it
will be retained.
will be recained.
The action success or failure and reasons for failure will be
returned in the action reply.
<u> </u>
12.0 LNP Old Service Provider Cancellation Acknowledge Request
12.0 BNI OIG SCIVICE HOVIGEI CANCELLACIÓN MERNOWICAGE REQUESE
subscriptionVersionOldSP-CancellationAcknowledge ACTION
BEHAVIOUR
subscriptionVersionOldSP-CancellationAcknowledgeDefinition,
subscriptionVersionOldSP-CancellationAcknowledgeBehavior;
MODE CONFIRMED;
WITH INFORMATION SYNTAX LNP-ASN1.CancellationAcknowledgeAction;
WITH REPLY SYNTAX LNP-ASN1.CancellationAcknowledgeReply;
REGISTERED AS {LNP-OIDS.lnp-action 12};
DEFINED AS !
The subscriptionVersionOldSP-CancellationAcknowledge action
is the action that is used via the SOA to NPAC
SMS interface by the old service provider to acknowledge
cancellation of a subscriptionVersionNPAC with a status of
cancel-pending.
<u> </u>
subscriptionVersionOldSP-CancellationAcknowledgeBehavior BEHAVIOUR
DEFINED AS !
<u>Preconditions: This action was issued from an lnpSubscriptions</u>
object specifying the object or objects to be acknowledged by either
the subscriptionVersionId, the subscriptionTN or a range of
subscriptionTNs (where the stop TN in the range is greater than the
start TN) and status.
Postconditions: The service provider has acknowledged the
subscription version. An error will be returned to the service
provider if there is no version that can have cancellation
<u>acknowledged or if the acknowledgement fails due to</u>
the service provider not being authorized to perform the action.
The subscriptionOldSP-CancellationTimeStamp will be
updated to the current time if the action is successful and the
version status will be changed to cancel.
<u> </u>
14.0 LNP Old Service Provider Subscription Version Create

subscriptionVersionOldSP-Create ACTION

BEHAVIOUR
subscriptionVersionOldSP-CreateDefinition,
subscriptionVersionOldSP-CreateBehavior;
MODE CONFIRMED;
WITH INFORMATION SYNTAX LNP-ASN1.OldSP-CreateAction;
WITH REPLY SYNTAX LNP-ASN1.OldSP-CreateReply;
<pre>REGISTERED AS {LNP-OIDS.lnp-action 14};</pre>
subscriptionVersionOldSP-CreateDefinition BEHAVIOUR
DEFINED AS !
The subscriptionVersionOldSP-Create action is the action that is
used via the SOA to NPAC SMS interface by the
old service provider to create a new subscriptionVersionNPAC.
subscriptionVersionOldSP-CreateBehavior BEHAVIOUR
DEFINED AS !
Preconditions: This action was issued from an lnpSubscriptions
object. Creates can be performed provided there is only one
<u>currently active subscription or action failure will be returned.</u>
The old service provider must specify valid values for the
following attributes:
subscriptionTN or a valid subscriptionVersionTN-Range
<u>subscriptionNewCurrentSP</u>
subscriptionOldSP-DueDate
subscriptionOldSP-Authorization
subscriptionLNPType
If the subscriptionOldSP-Authorization is false, the old service
provider must specify a subscriptionStatusChangeCauseCode.
Postconditions: After this action has been executed if
the data specified passes validation, a pending subscription
version will exist in the NPAC SMS. These validations are
done as follows:
subscriptionTN or range of TNs are valid in a range open for
porting. TN ranges must be specified where the stop TN in the
<u>range is greater than the start TN.</u>
subscriptionLNPType is specified as "LSPP" or "LISP".
subscriptionOldSP-DueDate is a future date. If not specified,
the time defaults to 00:00.00.
Old and New SP are valid service providers in the NPAC SMS and
the new service provider is not equal to the old service provider.
If a pre-existing version exists, validation will be done to insure
that the old service provider previously specified is the same
as the executor of the action.
If the validations succeed and a pending subscription version does
not exist, a subscription version will be created with a status

If the validations succeed and a pending subscription version exists, the old service provider create information will be applied
exists, the old service provider create information will be applied
to the existing pending subscription version.
If the validations fail, a new subscription version will not
be created if one does not exist. If one already existed it
will be retained and an error returned.
The action success or failure and reasons for failure will be
returned in the action reply.
<u>!;</u>
15.0 Notification Recovery Action
lnpNotificationRecovery ACTION
BEHAVIOUR
lnpNotificationRecoveryDefinition,
lnpNotificationRecoveryBehavior;
MODE CONFIRMED;
WITH INFORMATION SYNTAX LNP-ASN1.NetworkNotificationRecoveryAction;
WITH REPLY SYNTAX LNP-ASN1.NetworkNotificationRecoveryReply;
<pre>REGISTERED AS {LNP-OIDS.lnp-action 15};</pre>
<u>InpNotificationRecoveryDefinition BEHAVIOUR</u> DEFINED AS !
The lnpNotificationRecovery action is the action that can be
used by the SOA or LSMS to recover notification information that
cannot be recovered by other means.
<u>;</u>
<u>lnpNotificationRecoveryBehavior BEHAVIOUR</u>
DEFINED AS !
<u>Preconditions: This action is issued from an lnpNPAC-SMS object</u> from a SOA or LSMS that specified the recovery mode flag in the access
ITOM a SOA of LSMS that specified the recovery mode find in the access control as true at association establishment.
<u>control as true at association establishment.</u>
Postconditions: After this action has been executed by the SOA or LSMS specifying recovery, the NPAC SMS will forward the notifications that occurred in the time range specified for the requesting system (SOA or LSMS) for the primary or associated SPID specified in the
access control. Notifications are forwarded in the action reply.
access concror. Notrications are forwarded in the action repry.
Notifications to be recovered are requested by time range. Time range
requests will be limited to a tunable range specified in the NPAC
SMS. All data in the download time period, regardless of the amount
of data, will be returned.
The recovery of the SOA and LSMS notifications are independent
requests. Notifications can be recovered until they are
purged from the database. The tunable used to determine when to
purge the notifications is "Notify Log Retention Period" which
purge the notifications is "Notify Log Retention Period" which defaults to 90 days.
defaults to 90 days.

Success - process the data received from the NPAC SMS, continue
processing.
No data colocitado no data usa foundo continuo processing
No-data-selected no data was found, continue processing.
Criteria-too-large (using the MaxNotificationRecovery tunable) -
break up the request into a smaller time range and
re-issue the request to the NPAC SMS.
Time-range-invalid (using the Maximum Download Duration tunable) -
break up the request into shorter time ranges and
re-issue the request to the NPAC SMS.
Failed - go into retry mode. Re-issue the request a configurable
number of additional retry attempts with an "x" amount of delay
between requests ("x" is a configurable amount of time after
receiving the failure for each request). If a failed response
and re-start the recovery process. Note: It is recommended that
the Local SMS or SOA use the same value that the NPAC SMS uses
for the retry interval. It is also recommended that the Local
SMS
use a value of at least two (2) for configurable number of
additional rety attempts.
The activities that encoder leasting excessions the Lagel (MC or
For activities that specify "continue processing", the Local SMS or
SOA should send the NPAC SMS, either the next lnpDownload action for
a different type of data, or an lnpRecoveryComplete request, depending
on where the response appears in the flow.
on where the response appears in the risw.
The SOA or LSMS is capable of recovering data based on the association
functions. The SOA recovers network data and notification data using
the network data management association function (networkDataMgmt).
The LSMS recovers network data and subscription data using the data
download association function (dataDownload) and recovers notification
data using the network data managmenet association function
(networkDataMgmt).
<u>!;</u>
16.0 LNP Service Provider Number Pool Block Create
10.0 LNP Service Provider Number Pool Block Create
numberPoolBlock-Create ACTION
BEHAVIOUR
numberPoolBlock-CreateDefinition,
numberPoolBlock-CreateBehavior;
MODE CONFIRMED;
WITH INFORMATION SYNTAX LNP-ASN1.NumberPoolBlock-CreateAction;
WITH REPLY SYNTAX LNP-ASN1.NumberPoolBlock-CreateReply;
REGISTERED AS {LNP-OIDS.lnp-action 16};
numberDeelBleck-CreateDefinition PEUNVIOUR
numberPoolBlock-CreateDefinition BEHAVIOUR
DEFINED AS !
The numberPoolBlock-Create action is the action that is
used on the NPAC SMS via the SOA to NPAC SMS interface by the
block holder SOA to create a new numberPoolBlockNPAC.
<u> </u>

DEF	<u>PoolBlock-CreateBehavior BEHAVIOUR</u> FINED AS !
	Preconditions: This action is issued from an lnpSubscriptions
	object.
	The service provider block holder must specify valid values for the
	following attributes:
	numberPoolBlockNPA-NXX-X
	numberPoolBlockHolderSPID
	numberPoolBlockLRN
	numberPoolBlockCLASS-DPC
	numberPoolBlockCLASS-SSN
	numberPoolBlockLIDB-DPC
	numberPoolBlockLIDB-SSN
	numberPoolBlockCNAM-DPC
	numberPoolBlockCNAM-SSN
	numberPoolBlockISVM-DPC
	numberPoolBlockISVM-SSN
	If the SOA WSMSC DPC SSN Data Indicator is set in the service
	provider's profile, the following attributes must be provided:
	numberPoolBlockWSMSC-DPC
	numberPoolBlockWSMSC-SSN
	Postconditions: After this action has been executed, if
	the data specified passes validation, a number pool block with a
	status of 'sending' will exist on the NPAC SMS.
	The validations performed are as follows:
	The serviceProvNPA-NXX-X object exists and the current date and tim
	are greater than or equal to the effective date of the
	<u>serviceProvNPA-NXX-X object.</u>
	The requesting service provider is the block holder and service
	provider ID on the serviceProvNPA-NXX-X object.
	provider ib on the servicerrown was a object.
	LRN data is associated with the Block Holder Service Provider.
	The attributes are all valid and correctly formatted.
	If the validations succeed, a new number pool block and correspondi
	subscription versions will be created with a status of 'sending'.
	The NPAC SMS sends the object creation notification for the
	number pool block.
	If the validations fail, no new number pool block or subscription
	versions will be created. If a number pool block already existed, i
	will be retained.
	The action success or failure and reasons for failure will be
	returned in the action reply.
	If the requesting SOA is not the owner of the serviceProvNPA-NXX-X,
	-1 the regulating V(A is not the even of the correspondence $0.000$

If the corresponding serviceProvNPA-NXX-X is not found,
'no-npa-nxx-x-found' will be selected in the error reply.
If one of the attribute values is in error, 'invalid-data-values'
will be selected in the error reply and the block-invalid-values
will be present.
If the number pool block object already exists,
'number-pool-block-already-exists' will be selected in the error
reply.
If the request is sent prior to the effective date,
'prior-to-effective-date' will be selected in the error reply.
If the request is sent and any subscription version objects exist
within the TN range with a status of pending, conflict,
cancel-pending or failed ("pending-like") and no active subscription
version for that TN exists, 'invalid-subscription-versions' will be
selected in the error reply.
<u>!;</u>

## 6.8 Notification Definitions

-- 1.0 LNP NPAC SMS Operational Information Notification

<u>lnpNPAC-SMS-Operational-Information NOTIFICATION</u>

BEHAVIOUR lnpNPAC-SMS-Operational-InformationBehavior;
WITH INFORMATION SYNTAX LNP-ASN1.NPAC-SMS-Operational-Information
AND ATTRIBUTE IDS
down-time downTime,
npac-contact-number npacContactNumber,
additional-down-time-information additionalDownTimeInformation,
access-control accessControl;
REGISTERED AS {LNP-OIDS.lnp-notification 1};
<pre>lnpNPAC-SMS-Operational-InformationBehavior BEHAVIOUR</pre>
DEFINED AS !
This notification contains information about the NPAC SMS's
scheduled down time. This notification contains the start and
stop date and time for the planned down time. It is sent to both the
SOA and Local SMS systems.
<u> </u>
_
2.0 LNP Subscription Audit Local SMS Discrepancy Report
subscriptionAudit-DiscrepancyRpt NOTIFICATION
BEHAVIOUR subscriptionAudit-DiscrepancyRptBehavior;
WITH INFORMATION SYNTAX LNP-ASN1.AuditDiscrepancyRpt
AND ATTRIBUTE IDS
tn_auditDiscrepancyTn,
version-id auditDiscrepancyVersionId,
lsms-service-prov-id auditDiscrepancyLSMS-SP-Id,
failure-reason auditDiscrepancyFailureReason,
access-control accessControl;
<pre>REGISTERED AS {LNP-OIDS.lnp-notification 2};</pre>

subscriptionAudit-DiscrepancyRptBehavior BEHAVIOUR
DEFINED AS !
This notification contains a report on a discrepancy found during an audit. The discrepancy contains the subscription TN and Version
ID for which the discrepancy was found and the error. Valid
errors are:
audited subscription version fields mismatched between NPAC SMS
and Local SMS; records missing in Local SMS; extra subscription
versions on the Local SMS.
If field mismatches are found, the attribute(s) for which the
mismatch, the Local SMS value(s), and the NPAC SMS value(s)
will be returned as well as the Service Provider Id associated
with the Local SMS.
When audit discrepancy notifications are sent by the NPAC SMS,
the Local SMS create, modification, or deletion requests to correct
the discrepancy will be done by the NPAC SMS.
<u> </u>
- 2. O. IND. Subserviction Audit Desults
3.0 LNP Subscription Audit Results
subscriptionAuditResults NOTIFICATION
BEHAVIOUR subscriptionAuditResultsBehavior;
WITH INFORMATION SYNTAX LNP-ASN1.AuditResults
AND ATTRIBUTE IDS
status auditResultStatus,
failed-service-prov-list auditResultFailed-SP-List,
number-of-discrepancies auditResultNumberDiscrepancies,
time-of-completion auditResultCompletionTime,
access-control accessControl;
REGISTERED AS {LNP-OIDS.lnp-notification 3};
subscriptionAuditResultsBehavior BEHAVIOUR
<u>DEFINED AS !</u>
This notification contains the results of an audit. It contains
the name of the audit, the number of discrepancies found during the
audit, the success or failure of the audit, and the time of audit
completion or failure.
The audit status will be returned with the following priority
on the return values:
<u>Highest - failed due to discrepancies</u>
<u> </u>
Lowest - success
Towest - success
A higher priority status condition will override a lower. For
example, any error will override a 'no audit performed', and
'failed due to discrepancies' will override all other status
conditions.
<u>!;</u>
4.0 LNP Subscription Version Cancellation Resolution Request
Notification

GDMO Dem
subscriptionVersionCancellationAcknowledgeRequest NOTIFICATION
BEHAVIOUR subscriptionVersionCancellationAcknowledgeBehavior;
WITH INFORMATION SYNTAX
LNP-ASN1.VersionCancellationAcknowledgeRequest
AND ATTRIBUTE IDS
tn_subscriptionTN,
version-id subscriptionVersionId,
access-control accessControl;
REGISTERED AS {LNP-OIDS.lnp-notification 4};
<u>AEGISTERED AS (LMF-OIDS:IND-MOLITICATION 4),</u>
subscriptionVersionCancellationAcknowledgeBehavior BEHAVIOUR
DEFINED AS !
This notification requests that a service provider send
a cancellation acknowledgement for a subscription
version. The TN and the version id are sent.
<u>!;</u>
6.0 LNP Subscription Version Donor Service Provider Customer
Disconnect Date Notification
subscriptionVersionDonorSP-CustomerDisconnectDate NOTIFICATION
BEHAVIOUR subscriptionVersionDonorSP-CustomerDisconnectDateBehavior;
WITH INFORMATION SYNTAX LNP-ASN1.VersionCustomerDisconnectDate
AND ATTRIBUTE IDS
<u>tn subscriptionTN,</u>
version-id subscriptionVersionId,
service-prov-customer-disconnect-date
subscriptionCustomerDisconnectDate,
service-prov-effective-release-date
subscriptionEffectiveReleaseDate,
access-control accessControl;
REGISTERED AS {LNP-OIDS.lnp-notification 6};
subscriptionVersionDonorSP-CustomerDisconnectDateBehavior BEHAVIOUR
DEFINED AS !
This notification informs the donor service provider SOA
that a subscription version is being disconnected.
The TN, the version id, customer disconnect date and
effective release date (optional) values are sent.
!;
<u> </u>
7.0 LNP Subscription Version Local SMS Action Results
7.0 INI Subscription version local SHS Action Results
subscriptionVersionLocalSMS-ActionResults NOTIFICATION
BEHAVIOUR subscriptionVersionLocalSMS-ActionResultsBehavior;
WITH INFORMATION SYNTAX LNP-ASN1.LocalSMS-ActionResults
AND ATTRIBUTE IDS
actionId actionId,
status actionResultsStatus,
failed-tn-list failedTN-List,
time-of-completion resultsCompletionTime,
<pre>accessControl accessControl;</pre>
<pre>REGISTERED AS {LNP-OIDS.lnp-notification 7};</pre>
subscriptionVersionLocalSMS-ActionResultsBehavior BEHAVIOUR
DEFINED AS !
This notification contains the results of a

<pre>subscriptionVersionNewNPA-NXX NOTIFICATION BEHAVIOUR subscriptionVersionNewNPA-NXXBehavior; WITH INFORMATION SYNTAX AND ATTRIBUTE IDS service-prov-npa-nxx-id serviceProvNPA-NXX-ID, service-prov-npa-nxx-effective-time-stamp service-provNPA-NXX-EffectiveTimeStamp, service-provNPA-NXX-EffectiveTimeStamp, service-provNPA-NXX-EffectiveTimeStamp, service-provNPA-NXX-EffectiveTimeStamp, service-provNPA-NXX-EffectiveTimeStamp, service-provNPA-NXX-EffectiveTimeStamp, service-provNPA-NXX-EffectiveTimeStamp, service-provNPA-NXX-EffectiveTimeStamp, service-provNPA-NXX-EffectiveTimeStamp, service-provNPA-NXX-SeffectiveTimeStamp, subscriptionVersionNewNPA-NXXBehavior EEHAVIOUR DEFINED AS [INP-OIDS.lnp-notification 8]; subscription version involving a new NPA-NXX or creation of a serviceProvNPA-NXX- object whose NPA-NXX- value is the first use of the NPA-NXX. The service-prov-npa-nxx-id, service-prov-npa-nxx-value, service-prov-npa-nxx-id, service-prov-npa-nxx-value, service-prov-npa-nxx-effective-time-stamp and service-prov-id are sent, i;</pre>	
<pre>If contains the id of the create action, the success or failure of the action, the completion time and an optional list of failed subscription TNs and error codes. </pre>	subscriptionVersionLocalSMS-Create action from a Local SMS.
<pre>or failure of the action, the completion time and an optional list of failed subscription TNs and error codes. </pre>	
<pre>optional list of failed subscription TNs and error codes. . 1; - 8.0 LNP Subscription Version New NPA-NXX Notification SubscriptionVersionNewNPA-NXX NOTIFICATION BEHAVIOUR subscriptionVersionNewNPA-NXXBehavior; WITH INFORMATION SYNTAX . NUP-ASNL.VersionNewNPA-NXX AND ATTRIBUTE IDS service-prov-npa-nxx-value serviceProvNPA-NXX-Value, service-prov-npa-nxx-value serviceProvNPA-NXX-Value, service-prov-npa-nxx-effective-time-stamp, service-prov/NPA-NXX-FfectiveTimeStamp, service-prov/NPA-NXX-RefectiveTimeStamp, service-prov/NPA-NXX-RefectiveTimeStamp, service-prov/NPA-NXX-RefectiveTimeStamp, service-prov/NPA-NXX-RefectiveTimeStamp, service-prov/NPA-NXX-RefectiveTimeStamp, service-prov/NPA-NXX-RefectiveTimeStamp, service-prov/NPA-NXX-RefectiveTimeStamp, subscriptionVersionNewNPA-NXXRehavior BEHAVIOUR DEFINED AS 1 This notification informs the SOA and Local SMS of a pending subscription version involving a new NPA-NXX-V value is the first use of the NPA-NXX. The service-prov-npa-nxx-id, service-prov-nga-nxx-value, service-prov-npa-nxx-id, service-prov-nga-nxx-value, service-prov-npa-nxx-id, service-prov-nga-nxx-value, service-prov-npa-nxx-id, service-prov-nga-nxx-value, service-prov-nga-nxx-id, service-prov-nga-nxx-value, service-prov-nga-nxx-id, service-prov-nga-nxx-value, service-prov-nga-nxx-id, service-prov-nga-nxx-value, service-prov-due-date subscriptionNewSP-CreateRequest AND ATTRIBUTE IDS th subscriptionVersionNewSP-CreateRequestBehavior; wITH INFORMATION SWTAX LNP-ASNI.VersionNewSP-CreateRequest AND ATTRIBUTE IDS th subscriptionOldSP-AuthorizationTimeStamp, status-chande-cause-code subscriptionStausChangeCauseCode, access-control accessControl, subscription-time-type subscriptionTimeType, subscription-time-type subscriptionTimeType, subscription-time-type subscriptionTimeType, subscription-time-type subscriptionTimeType, subscription-time-type subscriptionTimeType, subscription-time-type subscription DEFIAVIOUR DEFINED AS 1 This notification requests that a n</pre>	
<pre></pre>	
<pre>subscriptionVersionNewNPA-NXX NOTIFICATION BEHAVIOUR subscriptionVersionNewNPA-NXXBehavior; WITH INFORMATION SINTAX AND ATTRIBUTE IDS service-prov-npa-nxx-id serviceProvNPA-NXX-ID, service-prov-npa-nxx-effective-time-stamp service-provNPA-NXX-Effective-time-stamp, service-provNPA-NXX-Effective-time-stamp, service-provNPA-NXX-Effective-time-stamp, service-provNPA-NXX-Effective-time-stamp, service-provNPA-NXX-Effective-time-stamp, service-provNPA-NXX-Effective-time-stamp, service-provNPA-NXX-Effective-time-stamp, service-provNPA-NXX-Effective-timeStamp, service-provNPA-NXX-Effective-timeStamp, service-provNPA-NXX-Seffective-timeStamp, service-provNPA-NXX-NDURD DEFINED AS [INP-OIDS.lnp-notification 8]; subscription version involving a new NPA-NXX or creation of a serviceProvNPA-NXX- object whose NPA-NXX-X value is the first use of the NPA-NXX. The service-prov-npa-nxx-id, service-prov-npa-nxx-value, service-prov-npa-nxx-id, service-prov-npa-nxx-value, service-prov-npa-nxx-effective-time-stamp and service-prov-id are sent, i;</pre>	
<pre>subscriptionVersionNewNPA-NXX NOTIFICATION BEHAVIOUR subscriptionVersionNewNPA-NXXBehavior; WITH INFORMATION SYNTAX AND ATTRIBUTE IDS service-prov-npa-nxx-edfective-time-stamp service-prov-npa-nxx-effective-time-stamp service-provNPA-NXX-Effective-time-stamp service-provNPA-NXX-Effective-time-stamp service-provNPA-NXX-Effective-time-stamp service-provNPA-NXX-Effective-time-stamp service-provNPA-NXX-Effective-time-stamp service-provNPA-NXX-Effective-time-stamp service-provNPA-NXX-Effective-time-stamp service-provNPA-NXX-Effective-time-stamp service-prov-NPA-NXX-Effective-time-stamp subscriptionVersionNewNPA-NXXBehavior EEHAVIOUR DEFINED AS [LNP-OIDS.lnp-notification 8]; subscriptionversionNewNPA-NXXBehavior EEHAVIOUR DEFINED AS ! This notification informs the SOA and Local SNS of a pending subscriptionversion involving a new NPA-NXX or creation of a service-prov-npa-nXX-id, service-prov-npa-nXX-value, service-prov-npa-nXX-id, service-prov-nid are sent.</pre>	
<pre>BEHAVIOUR subscriptionVersionNewNPA-NXXBehavior; WTH INFORMATION SYNTAX LNP-ASNLVersionNewNPA-NXX AND ATTRIBUTE IDS service-prov-npa-nxx-value serviceProvNPA-NXX-Value, service-prov-npa-nxx-effectivetimestamp service-prov-npa-nxx-effectiveTimeStamp, service-prov-npa-nxx-effectiveTimeStamp, service-prov-npa-nxx-effectiveTimeStamp, service-prov-npa-nxx-effectiveTimeStamp, service-prov-npa-nxx-effectiveTimeStamp, service-prov-npa-nxx-effectiveTimeStamp, service-prov-npa-nxx-effectiveTimeStamp, service-prov-npa-nxx-effectiveTimeStamp, service-prov-npa-nxx-effectiveTimeStamp, service-prov-npa-nxx-dfectiveTimeStamp, subscriptionVersionNewNPA-NXXBehavior BEHAVIOUR DEFINED AS 1 This notification informs the SOA and Local SNS of a pending subscription version involving a new NPA-NXX or creation of a service-prov-npa-nxx-d service-prov-npa-nxx-value, service-prov-npa-nxx-id, service-prov-npa-nxx-value, service-prov-npa-nxx-id, service-prov-npa-nxx-value, service-prov-npa-nxx-id, service-prov-npa-nxx-value, service-prov-npa-nxx-id, service-prov-npa-nxx-value, service-prov-npa-nxx-id, service-prov-npa-nxx-value, service-prov-npa-nxx-id, service-prov-npa-nxx-value, service-prov-npa-nxx-id, service-prov-npa-nxx-value, service-prov-npa-nxx-id, service-prov-npa-nxx-value, service-prov-npa-nxx-id, service-prov-npa-nxx-value, service-prov-descontexionNewSP-CreateRequest Notification BEHAVIOUR subscriptionVersionNewSP-CreateRequestEhenvior, WITH INFORMATION SYNTAX INP-ASNLVERSIONNewSP-CreateRequest AND ATRIBUTE IDS th subscriptionOldSP-SubscriptionOldSP-Authorization, service-prov-duedate subscriptionOldSP-Authorization, service-prov-duedate subscriptionStamsChameGauseCode, access-control accessControl, subscription-business-type subscriptionTimeType, subscriptionDescode subscriptionStamsChameGauseCode, access-control AscessControl, subscriptionVersionNewSP-CreateRequestBehavior BEHAVIOUR DEFINED AS 1 This notification requests that a new service provider send a create request for a subscription Version for which convernece</pre>	8.0 LNP Subscription Version New NPA-NXX Notification
<pre>BEHAVIOUR subscriptionVersionNewNPA-NXXBehavior; WTH INFORMATION SYNTAX LNP-ASNLVersionNewNPA-NXX AND ATTRIBUTE IDS service-prov-nba-nxx-value serviceProvNPA-NXX-Value, service-prov-nba-nxx-effectiveTimeStamp, service-prov-nba-nxx-effectiveTimeStamp, service-prov-nba-nxx-effectiveTimeStamp, access-control accessControl; REGISTERED AS (LNP-OIDS.lnp-notification 8); subscriptionVersionNewNPA-NXXBehavior BEHAVIOUR DEFINED AS 1 This notification informs the SOA and Local SMS of a pending subscription version involving a new NPA-NXX or creation of a service-prov-NRA-NXX- object whose NPA-NXX- value is the first use of the NPA-NXX. The service-prov-npa-nxx-id, service-prov-npa-nxx-value, service-prov-npa-nxx-id, service-prov-nid are sent. </pre>	
<pre>WITH INFORMATION SYNTAX LNP-ASN1.VersionNewNPA-NXX AND ATTRIBUTE IDS service-prov-npa-nxx-id serviceProvNPA-NXX-ID, service-prov-npa-nxx-effective-time-stamp service-prov-nda-exx-effective-timestamp, service-prov-nda-exx-effective-timestamp, service-prov-nda-exx-effective-timestamp, service-prov-nda-exx-effective-timestamp, service-prov-nda-exx-effective-timestamp, service-prov-nda-exx-effective-timestamp, service-prov-nda-exx-effective-timestamp, service-prov-nda-exx-effective-timestamp, subscriptionVersionNewNPA-NXXEMeavior BEHAVIOUR DEFINED AS { This notification informs the SOA and Local SMS of a pending subscription version involving a new NPA-NXX or creation of a service-prov-npa-nXX-X object whose NPA-NXX-X value is the first use of the NPA-NXX. The service-prov-npa-nxx-id, service-prov-npa-nxx-value, service-prov-npa-nxx-id, service-prov-npa-nxx-value, service-prov-npa-nxx-effective-time-stamp and service-prov-id are sent. l;  9.0 LNP Subscription Version New SP Create Request Notification subscriptionVersionNewSP-CreateRequestBehavior; WITH INFORMATION SYNTAX LNP-ASN1.VersionNewSP-CreateRequest AND ATTRIBUTE IDS tn subscriptionTV. version-id subscriptionOldSP, service-prov-id-date subscriptionOldSP-DueDate, service-prov-id-date subscriptionOldSP-Authorization, service-prov-uld-authorization-time-stamp subscriptionOldSP-AuthorizationTimeStamp, subscriptionOldSP-AuthorizationTimeStamp, subscriptionOldSP-CreateRequestBehavior EstAVIOUR</pre>	subscriptionVersionNewNPA-NXX NOTIFICATION
<pre>LNP-ASN1,VersionNewNPA-NXX AND ATTRIBUTE IDS service-prov-npa-nxx-vilue serviceProvNPA-NXX-ID, service-prov-npa-nxx-effective-time-stamp serviceProvNPA-NXX-EffectiveTimeStamp, serviceProvNPA-NXX-EffectiveTimeStamp, serviceProvNPA-NXX-EffectiveTimeStamp, serviceProvNPA-NXX-EffectiveTimeStamp, serviceProvNPA-NXX-EffectiveTimeStamp, serviceProvNPA-NXX-EffectiveTimeStamp, serviceProvNPA-NXX-EffectiveTimeStamp, serviceProvNPA-NXX-EffectiveTimeStamp, serviceProvNPA-NXX-EffectiveTimeStamp, subscriptionVersionNewNPA-NXXBehavior BEHAVIOUR DEFINED AS 1 This notification informs the SOA and Local SMS of a pending subscriptionVersion involving a new NPA-NXX or creation of a serviceProvNPA-NXX-X object whose NPA-NXX value is the first use of the NPA-NXX. The service-prov-npa-nxx-id, service-prov-npa-nxx-value, service-prov-npa-nxx-id, service-prov-npa-nxx-value, service-prov-npa-nxx-effective-time-stamp and service-prov-id are sent. ;; 9.0 LNP Subscription Version New SP Create Request Notification subscriptionVersionNewSP-CreateRequest Notification subscriptionVersionNewSP-CreateRequestBehavior; MITH HNFONATION SYNTAX LNP-ASN1.VersionNewSP-CreateRequest AND ATTRIBUTE IDS tn subscriptionVersionId, service-prov-old-authorization_timeStamp, status-chang-cause-code subscriptionStatusChangeCauseCode, acceess-control accessControl subscriptionNewSP-CreateRequestBehavior BeHAVIOUR DEFINED AS 1 This notification requests that a new service provider send a create request for a subscription Version Pation Time-Type, subscriptionNewSP-CreateRequestBehavior BEHAVIOUR DEFINED AS 1 </pre>	BEHAVIOUR subscriptionVersionNewNPA-NXXBehavior;
AND ATTRIBUTE IDS service-prov-npa-nxx-id serviceProvNPA-NXX-ID, service-prov-npa-nxx-effective-time-stamp service-prov-id serviceProvID, access-control accessControl, REGISTERED AS (LNP-OIDS.lnp-notification 8); subscriptionVersionNewNPA-NXXEMavior BEHAVIOUR DEFINED AS [ This notification informs the SOA and Local SMS of a pending subscription version involving a new NPA-NXX or creation of a serviceProvVPA-NXX-X object whose NPA-NXX-X value is the first use of the NPA-NXX. The service-prov-npa-nxx-effective-time-stamp and service-prov-id are sent. ''' -'' 9.0 LNP Subscription Version New SP Create Request Notification BEHAVIOUR subscriptionVersionNewSP-CreateRequest Notification BEHAVIOUR subscriptionVersionNewSP-CreateRequestBehavior; WITH INFORMATION SYNTAX LNP-ASNLVersionNewSP-CreateRequest AND ATTRIBUTE IDS th subscriptionVersionId, service-prov-due-date subscriptionOldSP-DueDate, service-prov-due-date subscriptionOldSP-Authorization, service-prov-due-date subscriptionStatusChangeCauseCode, access-control accessControl, subscriptionNewSP-CreateRequestBehavior; WITH INFORMATION SYNTAX LNP-ASNLVersionNewSP-CreateRequest AND ATTRIBUTE IDS th subscriptionTV, version-id subscriptionOldSP, service-prov-due-date subscriptionOldSP-Authorization, service-prov-due-date subscriptionStatusChangeCauseCode, access-control accessControl, subscriptionNewSP-CreateRequestBehavior BEHAVIOUR subscriptionNewSP-CreateRequestBehavior BEHAVIOUR subscriptionOldSP-AuthorizationTimeStamp, status-change-cause-code subscriptionStatusChangeCauseCode, access-control accessControl, subscriptionNewSP-CreateRequestBehavior BEHAVIOUR DEFINED AS [ This notification requests that a new service provider send a create request for a subscription Version for which concurrence for porting the number has not been received.	WITH INFORMATION SYNTAX
<pre>service-prov-npa-nxx-id serviceProvNPA-NXX-ID, service-prov-npa-nxx-value serviceProvNA-NXX-Value, service-provNA-NXX-Effective-timeStamp, serviceProvNA-NXX-EffectiveTimeStamp, access-control accessControl REGISTERED AS ILNP-OIDS.inp-notification 81; subscriptionVersionNewNPA-NXXBehavior BEHAVIOUR DEFINED AS 1 This notification informs the SOA and Local SMS of a pending subscription version involving a new NPA-NXX or creation of a serviceProvNPA-NXX-K object whose NPA-NXX or creation of a serviceProv-npa-nxx-X. The service-prov-npa-nxx-id, service-prov-npa-nxx-value, service-prov-npa-nxx-id, service-prov-npa-nxx-value, service-prov-npa-nxx-id, service-prov-npa-nxx-value, service-prov-npa-nxx-effective-time-stamp and service-prov-id are sent. !;  9.0 LNP Subscription Version New SP Create Request Notification subscriptionVersionNewSP-CreateRequest Notification subscriptionVersionNewSP-CreateRequest Notification subscriptionNersionNewSP-CreateRequestBehavior; WITH INFORMATION SYNTAX LNP-ASNI.VersionNewSP-CreateRequest AND ATTRIBUTE IDS tn subscriptionVersionId, service-prov-due-date subscriptionOldSP. service-prov-authorization_creation_timeStamp, status-change-cause-code subscriptionStatusChangeCauseCode, access-control accessControl, subscription-time-type subscriptionStatusChangeCauseCode, access-control accessControl, subscription-time-type subscriptionOldSP-Authorization_ status-change-cause-code subscriptionStatusChangeCauseCode, access-control accessControl, subscription-time-type subscriptionDusinessType; REGISTERED AS [LNP-OIDS.lnp-notification 9]; subscriptionNewSP-CreateRequestBehavior EEHAVIOUR DEFINED AS 1 This notification requests that a new service provider send a create request for a subscription Version for which concurrence for porting the number has not been received.</pre>	LNP-ASN1.VersionNewNPA-NXX
<pre>service-prov-npa-nxx-value serviceProvNPA-NXX-Value, service-prov-npa-nxx-effective-time-stamp serviceProvNPA-NXX-EffectiveTimeStamp, serviceProvNPA-NXX-EffectiveTimeStamp, access-control accessControl; REGISTERED AS (LNP-OIDS.lnp-notification 8); subscriptionVersionNewNPA-NXXBehavior BEHAVIOUR DEFINED AS 1 This notification informs the SOA and Local SMS of a pending subscription version involving a new NPA-NXX or creation of a serviceProvNPA-NXX- object whose NPA-NXX or creation of serviceProvNPA-NXX. The service-prov-npa-nxx-id, service-prov-npa-nxx-value, service-prov-npa-nxx-id, service-prov-npa-nxx-value, service-prov-npa-nxx-effective-time-stamp and service-prov-id are sent. :: - 9.0 LNP Subscription Version New SP Create Request Notification subscriptionVersionNewSP-CreateRequest NOTIFICATION BEHAVIOUR subscriptionVersionNewSP-CreateRequestBehavior; WITH INFORMATION SYNTAX LNP-ASN1.VersionNewSP-CreateRequest AND ATTREBUTE IDS thn subscriptionTN, version-id subscriptionOldSP, service-prov-udu-date subscriptionOldSP-DueDate, service-prov-udu-date subscriptionTimeStamp, subscriptionOldSP-Authorization_subscriptionTimeStamp, subscriptionTol_accesScontrol, subscriptionTol_accesScontrol, subscriptionTup-request shat a new service provider send a create request for a subscription Pise DEFINED AS 1 This notification requests that a new service provider send a create request for a subscription for which concurrence for porting the number has not been received.</pre>	AND ATTRIBUTE IDS
<pre>service-prov-npa-nxx-effective-time-stamp service-prov-id serviceProvID, access-control accessControl; REGISTERED AS (LNP-OIDS.lnp-notification 8); subscriptionVersionNewNPA-NXXBehavior BEHAVIOUR DEFINED AS 1 This notification informs the SOA and Local SMS of a pending subscription version involving a new NPA-NXX or creation of a serviceProvNPA-NXX-X object whose NPA-NXX-X value is the first use of the NPA-NXX. The service-prov-npa-nxx-id, service-prov-npa-nxx-value, service-prov-npa-nxx-if, service-prov-npa-nxx-value, service-prov-npa-nxx-effective-time-stamp and service-prov-id are sent. !: - 9.0 LNP Subscription Version New SP Create Request Notification subscriptionVersionNewSP-CreateRequest NOTIFICATION BEHAVIOUR subscriptionVersionNewSP-CreateRequestBehavior; WITH INFORMATION SYNTAX LNP-ASNL VersionNewSP-CreateRequest AND ATTRIBUTE IDS th subscriptionTN, version-id subscriptionOldSP, service-prov-due-date subscriptionOldSP-DueDate, service-prov-due-date subscriptionOldSP-Authorization, subscriptionOldSF-AuthorizationTimeStamp subscriptionOldSF-AuthorizationTimeStamp, status-change-cause-code subscriptionStatusChangeCauseCode, access-control accessControl, subscription-business-type subscriptionBusinessType; REGISTERED AS (LNP-OIDS.lnp-notification 9); subscriptionVersionNewSP-CreateRequestBehavior provide send a create request for a subscription Behaviour DEFINED AS 1 This notification requests that a new service provider send a create request for a subscription reston for which concurrence for porting the number has not been received.</pre>	service-prov-npa-nxx-id serviceProvNPA-NXX-ID,
<pre>serviceProvNPA-NXX-EffectiveTimeStamp, service=prov-id serviceProvID, access-control accessControl; REGISTERED AS (LNP-OIDS.lnp-notification 8); subscriptionVersionNewNPA-NXXBehavior BEHAVIOUR DEFINED AS ! This notification informs the SOA and Local SMS of a pending subscription version involving a new NPA-NXX or creation of a serviceProvNPA-NXX- object whose NPA-NXX- value is the first use of the NPA-NXX. The service-prov-npa-nxx-id, service-prov-npa-nxx-value, service-prov-npa-nxx-id, service-prov-npa-nxx-value, service-prov-npa-nxx-effective-time-stamp and service-prov-id are sent. !;  9.0 LNP Subscription Version New SP Create Request Notification subscriptionVersionNewSP-CreateRequest NotIFICATION BEHAVIOUR subscriptionVersionNewSP-CreateRequestEehavior; WITH INFORMATION SYNTAX LNP-ASN1.VersionNewSP-CreateRequest AND ATTRIBUTE IDS tn subscriptionTN, version-id subscriptionOdSP, service-prov-du-adte subscriptionOdSP-Authorization, service-prov-du-adte subscriptionIdSP-Authorization, service-prov-du-adte subscriptionStatusChangeCauseCode, access-control_accessControl, subscription-time-stamp subscription-time-type subscriptionTimeStamp, status-change-cause-code subscriptionTimeStamp, subscription-time-type subscriptionTimeStamp, subsc</pre>	service-prov-npa-nxx-value serviceProvNPA-NXX-Value,
<pre>service-prov-id serviceProvID, access-control accessControl; REGISTERED AS (LNP-OIDS.lnp-notification 8); subscriptionVersionNewNPA-NXXBehavior BEHAVIOUR DEFINED AS 1 This notification informs the SOA and Local SMS of a pending subscription version involving a new NPA-NXX or creation of a serviceProvNPA-NXX-X object whose NPA-NXX or creation of first use of the NPA-NXX. The service-prov-npa-nxx-id, service-prov-npa-nxx-value, service-prov-npa-nxx-id, service-prov-npa-nxx-value, service-prov-npa-nxx-id, service-prov-nda are sent. ];  9.0 LNP Subscription Version New SP Create Request Notification subscriptionVersionNewSP-CreateRequest NOTIFICATION BEHAVIOUR subscriptionVersionNewSP-CreateRequestBehavior; WITH INFORMATION SYNTAX LNP-ASN1.VersionNewSP-CreateRequest AND ATTRIBUTE IDS th subscriptionTN, version-id subscriptionOldSP. service-prov-due-date subscriptionOldSP-Authorization, service-prov-due-date subscriptionOldSP-Authorization, service-prov-due-date subscriptionStatusChangeCauseCode, access-control accessControl, subscription-timer-type subscriptionBusinessType; REGISTERED AS 1 This notification requests that a new service provider send a create request for a subscription version for which concurrence for porting the number has not been received.</pre>	<u>service-prov-npa-nxx-effective-time-stamp</u>
<pre>access-control accessControl; REGISTERED AS (LNP-OIDS.lnp-notification 8); subscriptionVersionNewNPA-NXXBehavior BEHAVIOUR DEFINED AS 1 This notification informs the SOA and Local SMS of a pending subscription version involving a new NPA-NXX or creation of a serviceProvPA-NXX-X object whose NPA-NXX-X value is the first use of the NPA-NXX. The service-prov-npa-nxx-id, service-prov-npa-nxx-value, service-prov-npa-nxx-effective-time-stamp and service-prov-id are sent. 1; - 9.0 LNP Subscription Version New SP Create Request Notification subscriptionVersionNewSP-CreateRequest NOTIFICATION BEHAVIOUR subscriptionVersionNewSP-CreateRequestBehavior; WITH INFORMATION SYNTAX LNP-ASNLVersionNewSP-CreateRequest AND ATTRIBUTE IDS tn subscriptionTN, version-id subscriptionOldSP, service-prov-due-date subscriptionOldSP-DueDate, service-prov-due-date subscriptionOldSP-Authorization, service-prov-due-date.subscriptionStatusChangeCauseCode, access-control accessControl, subscription-timer-type subscriptionTimeType, subscription-timer-type subscriptionTimerType, subscription-timer-type subscriptionTimerType, subscription-timer-type subscriptionTimerType, subscription-timer-type subscriptionTimerType, subscriptionAls.lnp-notification 91; subscriptionAls.lnp-notification 91; subscriptionAls.lnp-notification 91; subscriptionVersionNewSP-CreateRequestBehavior BEHAVIOUR DEFINED AS 1 This notification requests that a new service provider send a create request for a subscription version for which concurrence for porting the number has not been received.</pre>	serviceProvNPA-NXX-EffectiveTimeStamp,
<pre>REGISTERED AS (LNP-OIDS.lnp-notification 8); subscriptionVersionNewNPA-NXXBehavior BEHAVIOUR DEFINED AS ! This notification informs the SOA and Local SMS of a pending subscription version involving a new NPA-NXX or creation of a serviceProvNPA-NXX-X object whose NPA-NXX-X value is the first use of the NPA-NXX. The service-prov-npa-nxx-id, service-prov-npa-nxx-value, service-prov-npa-nxx-effective-time-stamp and service-prov-id are sent.</pre>	<u>service-prov-id serviceProvID</u> ,
<pre>subscriptionVersionNewNPA-NXXBehavior BEHAVIOUR DEFINED AS ! This notification informs the SOA and Local SMS of a pending subscription version involving a new NPA-NXX or creation of a serviceProvNPA-NXX. The first use of the NPA-NXX. The service-prov-npa-nxx-id, service-prov-npa-nxx-value, service-prov-npa-nxx-effective-time-stamp and service-prov-id are sent. !; - 9.0 LNP Subscription Version New SP Create Request Notification subscriptionVersionNewSP-CreateRequest NOTIFICATION BEHAVIOUR subscriptionVersionNewSP-CreateRequestBehavior; WITH INFORMATION SYNTAX LNP-ASN1.VersionNewSP-CreateRequest AND ATTRIBUTE IDS tn subscriptionTN, version-id subscriptionOldSP, service-prov-due-date subscriptionOldSP-DueDate, service-prov-authorization subscriptionOldSP-Authorization, service-prov-authorization-creation-time-stamp subscriptionISP-AuthorizationTimeStamp, status-change-cause-code subscriptionStatusChangeCauseCode, access-control accessControl, subscription-timer-type subscriptionBusinessType, REGISTERED AS (LNP-OIDS.lnp-notification 9); subscriptionNewSP-CreateRequestBehavior BEHAVIOUR DEFINED AS ! This notification requests that a new service provider send a create request for a subscription version for which concurrence for porting the number has not been received.</pre>	
<pre>DEFINED AS ! This notification informs the SOA and Local SMS of a pending subscription version involving a new NPA-NXX or creation of a serviceProvNPA-NXX-X object whose NPA-NXX value is the first use of the NPA-NXX. The service-prov-npa-nxx-id, service-prov-npa-nxx-value, service-prov-npa-nxx-effective-time-stamp and service-prov-id are sent. !: - 9.0 LNP Subscription Version New SP Create Request Notification subscriptionVersionNewSP-CreateRequest Notification BEHAVIOUR subscriptionVersionNewSP-CreateRequestBehavior; WITH INFORMATION SYNTAX LNP-ASNI.VersionNewSP-CreateRequest AND ATTRIBUTE IDS tn subscriptionIN, version-id subscriptionVersionId, service-prov-ue-date subscriptionOldSP. service-prov-old-authorization subscriptionOldSP-Authorization, service-prov-ue-date subscriptionStatusChangeCauseCode, access-control accessControl, subscription-time-stamp subscription-time-stamp. subscription-time-stamp. subscription-time-subscriptionTimeType, subscription-time-subscriptionBusinessType; REGISTERED AS [LNP-OIDS.lnp-notification 9]; subscriptionNewSP-CreateRequestBehavior BEHAVIOUR DEFINED AS ! This notification requests that a new service provider send a create request for a subscription version for which concurrence for porting the number has not been received.</pre>	<pre>REGISTERED AS {LNP-OIDS.lnp-notification 8};</pre>
<pre>DEFINED AS ! This notification informs the SOA and Local SMS of a pending subscription version involving a new NPA-NXX or creation of a serviceProvNPA-NXX-X object whose NPA-NXX value is the first use of the NPA-NXX. The service-prov-npa-nxx-id, service-prov-npa-nxx-value, service-prov-npa-nxx-effective-time-stamp and service-prov-id are sent. !: - 9.0 LNP Subscription Version New SP Create Request Notification subscriptionVersionNewSP-CreateRequest Notification BEHAVIOUR subscriptionVersionNewSP-CreateRequestBehavior; WITH INFORMATION SYNTAX LNP-ASNI.VersionNewSP-CreateRequest AND ATTRIBUTE IDS tn subscriptionIN, version-id subscriptionVersionId, service-prov-ue-date subscriptionOldSP. service-prov-old-authorization subscriptionOldSP-Authorization, service-prov-ue-date subscriptionStatusChangeCauseCode, access-control accessControl, subscription-time-stamp subscription-time-stamp. subscription-time-stamp. subscription-time-subscriptionTimeType, subscription-time-subscriptionBusinessType; REGISTERED AS [LNP-OIDS.lnp-notification 9]; subscriptionNewSP-CreateRequestBehavior BEHAVIOUR DEFINED AS ! This notification requests that a new service provider send a create request for a subscription version for which concurrence for porting the number has not been received.</pre>	
<pre>This notification informs the SOA and Local SMS of a pending subscription version involving a new NPA-NXX or creation of a serviceProvNPA-NXX-X object whose NPA-NXX value is the first use of the NPA-NXX. The service-prov-npa-nxx-id, service-prov-npa-nxx-value, service-prov-npa-nxx-effective-time-stamp and service-prov-id are sent. .: .: - 9.0 LNP Subscription Version New SP Create Request Notification subscriptionVersionNewSP-CreateRequest Notification BEHAVIOUR subscriptionVersionNewSP-CreateRequestBehavior; WITH INFORMATION SYNTAX LNP-ASN1.VersionNewSP-CreateRequest AND ATTRIBUTE IDS tn subscriptionVersionId, service-prov-id subscriptionOldSP, service-prov-id subscriptionOldSP, service-prov-due-date subscriptionOldSP-DueDate, service-prov-old-authorization subscriptionOldSP-Authorization, subscriptionOldSP-AuthorizationTimeStamp subscriptionOldSP-AuthorizationTimeStamp subscription-business-type subscriptionStatusChangeCauseCode, access-control accessControl, subscription-business-type subscriptionBusinessType; REGISTERED AS (LNP-OIDS.lnp-notification 9); subscriptionVersionNewSP-CreateRequestBehavior 91; subscriptionTimeCause for a subscription version for which concurrence for porting the number has not been received.</pre>	subscriptionVersionNewNPA-NXXBehavior BEHAVIOUR
<pre>subscription version involving a new NPA-NXX or creation of a serviceProvNPA-NXX-X object whose NPA-NXX-X value is the first use of the NPA-NXX. The service-prov-npa-nxx-id, service-prov-npa-nxx-value, service-prov-npa-nxx-effective-time-stamp and service-prov-id are sent.</pre>	
<pre>a serviceProvNPA-NXX-X object whose NPA-NXX-X value is the first use of the NPA-NXX. The service-prov-npa-nxx-id, service-prov-npa-nxx-value, service-prov-npa-nxx-effective-time-stamp and service-prov-id are sent. !:  9.0 LNP Subscription Version New SP Create Request Notification subscriptionVersionNewSP-CreateRequest NOTIFICATION BEHAVIOUR subscriptionVersionNewSP-CreateRequestBehavior; WITH INFORMATION SYNTAX LNP-ASN1.VersionNewSP-CreateRequest AND ATTRIBUTE IDS tn subscriptionTN, version-id subscriptionOldSP, service-prov-id subscriptionOldSP, service-prov-due-date subscriptionOldSP-DueDate, service-prov-authorization subscriptionOldSP-Authorization, service-prov-authorizationTimeStamp, status-change-cause-code subscriptionStatusChangeCauseCode, access-control accessControl, subscription-business-type subscriptionBusinessType; REGISTERED AS (LNP-OIDS.lnp-notification 9); subscriptionVersionNewSP-CreateRequestBehavior BEHAVIOUR DEFINED AS ! This notification requests that a new service provider send a create request for a subscription version for which concurrence for porting the number has not been received.</pre>	
<pre>first use of the NPA-NXX. The service-prov-npa-nxx-id, service-prov-npa-nxx-value, service-prov-npa-nxx-effective-time-stamp and service-prov-id are sent. </pre>	subscription version involving a new NPA-NXX or creation of
<pre>service-prov-npa-nxx-id, service-prov-npa-nxx-value, service-prov-npa-nxx-effective-time-stamp and service-prov-id are sent. </pre>	
<pre>service-prov-npa-nxx-effective-time-stamp and service-prov-id are sent. </pre>	
<pre>are sent. . !;  9.0 LNP Subscription Version New SP Create Request Notification subscriptionVersionNewSP-CreateRequest NOTIFICATION BEHAVIOUR subscriptionVersionNewSP-CreateRequestBehavior; WITH INFORMATION SYNTAX LNP-ASN1.VersionNewSP-CreateRequest AND ATTRIBUTE IDS tn subscriptionTN, version-id subscriptionVersionId, service-prov-id subscriptionOldSP, service-prov-due-date subscriptionOldSP-DueDate, service-prov-authorization subscriptionOldSP-Authorization, service-prov-authorization-creation-time-stamp subscriptionOldSP-AuthorizationTimeStamp, status-change-cause-code subscriptionStatusChangeCauseCode, access-control accessControl, subscription-timer-type subscriptionTimerType, subscriptionDusiness-type subscriptionBusinessType; REGISTERED AS {LNP-OIDS.lnp-notification 9}; subscriptionVersionNewSP-CreateRequestBehavior BEHAVIOUR DEFINED AS ! This notification requests that a new service provider send a create request for a subscription version for which concurrence for porting the number has not been received.</pre>	
<pre>!;  9.0 LNP Subscription Version New SP Create Request Notification subscriptionVersionNewSP-CreateRequest NOTIFICATION BEHAVIOUR subscriptionVersionNewSP-CreateRequestBehavior; WITH INFORMATION SYNTAX LNP-ASN1.VersionNewSP-CreateRequest AND ATTRIBUTE IDS tn subscriptionTN, version-id subscriptionOldSP, service-prov-id subscriptionOldSP, service-prov-ude-date subscriptionOldSP-DueDate, service-prov-old-authorization subscriptionOldSP-Authorization, service-prov-authorization-creation-time-stamp subscriptionOldSP-AuthorizationTimeStamp, status-change-cause-code subscriptionStatusChangeCauseCode, access-control accessControl, subscription-timer-type subscriptionBusinessType; REGISTERED AS (LNP-OIDS.lnp-notification 9); subscriptionVersionNewSP-CreateRequestBehavior BEHAVIOUR DEFINED AS ! This notification requests that a new service provider send a create request for a subscription version for which concurrence for porting the number has not been received.</pre>	<pre>service-prov-npa-nxx-effective-time-stamp and service-prov-id</pre>
9.0 LNP Subscription Version New SP Create Request Notification subscriptionVersionNewSP-CreateRequest NOTIFICATION BEHAVIOUR subscriptionVersionNewSP-CreateRequestBehavior; WITH INFORMATION SYNTAX LNP-ASNI.VersionNewSP-CreateRequest AND ATTRIBUTE IDS tn subscriptionTN, version-id subscriptionOldSP, service-prov-id subscriptionOldSP-DueDate, service-prov-old-authorization subscriptionOldSP-Authorization, service-prov-authorization-creation-time-stamp subscriptionOldSP-AuthorizationTimeStamp, status-change-cause-code subscriptionStatusChangeCauseCode, access-control accessControl, subscription-business-type subscriptionBusinessType; REGISTERED AS (LNP-OIDS.lnp-notification 9); subscriptionVersionNewSP-CreateRequestBehavior BEHAVIOUR DEFINED AS ! This notification requests that a new service provider send a create request for a subscription version for which concurrence for porting the number has not been received.	
<pre>subscriptionVersionNewSP-CreateRequest NOTIFICATION BEHAVIOUR subscriptionVersionNewSP-CreateRequestBehavior; WITH INFORMATION SYNTAX LNP-ASN1.VersionNewSP-CreateRequest AND ATTRIBUTE IDS tn subscriptionTN, version-id subscriptionVersionId, service-prov-due-date subscriptionOldSP-DueDate, service-prov-due-date subscriptionOldSP-DueDate, service-prov-authorization subscriptionOldSP-Authorization, service-prov-authorization-creation-time-stamp subscriptionOldSP-AuthorizationTimeStamp, status-change-cause-code subscriptionStatusChangeCauseCode, access-control accessControl, subscription-timer-type subscriptionEusinessType; REGISTERED AS (LNP-OIDS.lnp-notification 9); subscriptionVersionNewSP-CreateRequestBehavior BEHAVIOUR DEFINED AS ! This notification requests that a new service provider send a create request for a subscription version for which concurrence for porting the number has not been received.</pre>	<u> </u>
<pre>subscriptionVersionNewSP-CreateRequest NOTIFICATION BEHAVIOUR subscriptionVersionNewSP-CreateRequestBehavior; WITH INFORMATION SYNTAX LNP-ASN1.VersionNewSP-CreateRequest AND ATTRIBUTE IDS tn subscriptionTN, version-id subscriptionVersionId, service-prov-due-date subscriptionOldSP-DueDate, service-prov-due-date subscriptionOldSP-DueDate, service-prov-authorization subscriptionOldSP-Authorization, service-prov-authorization-creation-time-stamp subscriptionOldSP-AuthorizationTimeStamp, status-change-cause-code subscriptionStatusChangeCauseCode, access-control accessControl, subscription-timer-type subscriptionEusinessType; REGISTERED AS (LNP-OIDS.lnp-notification 9); subscriptionVersionNewSP-CreateRequestBehavior BEHAVIOUR DEFINED AS ! This notification requests that a new service provider send a create request for a subscription version for which concurrence for porting the number has not been received.</pre>	
BEHAVIOURsubscriptionVersionNewSP-CreateRequestBehavior;WITH INFORMATION SYNTAX LNP-ASN1.VersionNewSP-CreateRequestAND ATTRIBUTE IDStn subscriptionTN,version-id subscriptionVersionId,service-prov-id subscriptionOldSP,service-prov-due-date subscriptionOldSP-DueDate,service-prov-old-authorization subscriptionOldSP-Authorization,service-prov-authorization-creation-time-stampsubscriptionOldSP-AuthorizationTimeStamp,status-change-cause-code subscriptionStatusChangeCauseCode,access-control accessControl,subscription-timer-type subscriptionBusinessType;REGISTERED AS {LNP-OIDS.lnp-notification 9};subscriptionVersionNewSP-CreateRequestBehavior BEHAVIOURDEFINED AS !This notification requests that a new service provider senda create request for a subscription version for whichconcurrence for porting the number has not been received.	9.0 LNP Subscription Version New SP Create Request Notification
BEHAVIOURsubscriptionVersionNewSP-CreateRequestBehavior;WITH INFORMATION SYNTAX LNP-ASN1.VersionNewSP-CreateRequestAND ATTRIBUTE IDStn subscriptionTN,version-id subscriptionVersionId,service-prov-id subscriptionOldSP,service-prov-due-date subscriptionOldSP-DueDate,service-prov-old-authorization subscriptionOldSP-Authorization,service-prov-authorization-creation-time-stampsubscriptionOldSP-AuthorizationTimeStamp,status-change-cause-code subscriptionStatusChangeCauseCode,access-control accessControl,subscription-timer-type subscriptionBusinessType;REGISTERED AS {LNP-OIDS.lnp-notification 9};subscriptionVersionNewSP-CreateRequestBehavior BEHAVIOURDEFINED AS !This notification requests that a new service provider senda create request for a subscription version for whichconcurrence for porting the number has not been received.	
<pre>WITH INFORMATION SYNTAX LNP-ASN1.VersionNewSP-CreateRequest AND ATTRIBUTE IDS tn subscriptionTN, version-id subscriptionVersionId, service-prov-id subscriptionOldSP, service-prov-due-date subscriptionOldSP-DueDate, service-prov-old-authorization subscriptionOldSP-Authorization, service-prov-authorization-creation-time-stamp subscriptionOldSP-AuthorizationTimeStamp, status-change-cause-code subscriptionStatusChangeCauseCode, access-control accessControl, subscription-timer-type subscriptionTimerType, subscription-business-type subscriptionBusinessType; REGISTERED AS (LNP-OIDS.lnp-notification 9); subscriptionVersionNewSP-CreateRequestBehavior BEHAVIOUR DEFINED AS ! This notification requests that a new service provider send a create request for a subscription version for which concurrence for porting the number has not been received.</pre>	
AND ATTRIBUTE IDS tn subscriptionTN, version-id subscriptionVersionId, service-prov-id subscriptionOldSP, service-prov-due-date subscriptionOldSP-DueDate, service-prov-old-authorization subscriptionOldSP-Authorization, service-prov-authorization-creation-time-stamp subscriptionOldSP-AuthorizationTimeStamp, status-change-cause-code subscriptionStatusChangeCauseCode, access-control accessControl, subscription-timer-type subscriptionTimerType, subscription-business-type subscriptionBusinessType; REGISTERED AS {LNP-OIDS.lnp-notification 9}; subscriptionVersionNewSP-CreateRequestBehavior BEHAVIOUR DEFINED AS ! This notification requests that a new service provider send a create request for a subscription version for which concurrence for porting the number has not been received.	
<pre>tn subscriptionTN, version-id subscriptionVersionId, service-prov-id subscriptionOldSP, service-prov-due-date subscriptionOldSP-DueDate, service-prov-old-authorization subscriptionOldSP-Authorization, service-prov-authorization-creation-time-stamp subscriptionOldSP-AuthorizationTimeStamp, status-change-cause-code subscriptionStatusChangeCauseCode, access-control accessControl, subscription-timer-type subscriptionTimerType, subscription-business-type subscriptionBusinessType; REGISTERED AS {LNP-OIDS.lnp-notification 9}; subscriptionVersionNewSP-CreateRequestBehavior BEHAVIOUR DEFINED AS ! This notification requests that a new service provider send a create request for a subscription version for which concurrence for porting the number has not been received.</pre>	
<pre>version-id subscriptionVersionId, service-prov-id subscriptionOldSP, service-prov-due-date subscriptionOldSP-DueDate, service-prov-old-authorization subscriptionOldSP-Authorization, service-prov-authorization-creation-time-stamp subscriptionOldSP-AuthorizationTimeStamp, status-change-cause-code subscriptionStatusChangeCauseCode, access-control accessControl, subscription-timer-type subscriptionTimerType, subscription-business-type subscriptionBusinessType; REGISTERED AS {LNP-OIDS.lnp-notification 9}; subscriptionVersionNewSP-CreateRequestBehavior BEHAVIOUR DEFINED AS ! This notification requests that a new service provider send a create request for a subscription version for which concurrence for porting the number has not been received.</pre>	
<pre>service-prov-id subscriptionOldSP, service-prov-due-date subscriptionOldSP-DueDate, service-prov-old-authorization subscriptionOldSP-Authorization, service-prov-authorization-creation-time-stamp subscriptionOldSP-AuthorizationTimeStamp, status-change-cause-code subscriptionStatusChangeCauseCode, access-control accessControl, subscription-timer-type subscriptionTimerType, subscription-business-type subscriptionBusinessType; REGISTERED AS {LNP-OIDS.lnp-notification 9}; subscriptionVersionNewSP-CreateRequestBehavior BEHAVIOUR DEFINED AS ! This notification requests that a new service provider send a create request for a subscription version for which concurrence for porting the number has not been received.</pre>	
<pre>service-prov-due-date subscriptionOldSP-DueDate, service-prov-old-authorization subscriptionOldSP-Authorization, service-prov-authorization-creation-time-stamp subscriptionOldSP-AuthorizationTimeStamp, status-change-cause-code subscriptionStatusChangeCauseCode, access-control accessControl, subscription-timer-type subscriptionTimerType, subscription-business-type subscriptionBusinessType; REGISTERED AS {LNP-OIDS.lnp-notification 9}; subscriptionVersionNewSP-CreateRequestBehavior BEHAVIOUR DEFINED AS ! This notification requests that a new service provider send a create request for a subscription version for which concurrence for porting the number has not been received.</pre>	
<pre>service-prov-old-authorization subscriptionOldSP-Authorization, service-prov-authorization-creation-time-stamp subscriptionOldSP-AuthorizationTimeStamp, status-change-cause-code subscriptionStatusChangeCauseCode, access-control accessControl, subscription-timer-type subscriptionTimerType, subscription-business-type subscriptionBusinessType; REGISTERED AS {LNP-OIDS.lnp-notification 9}; subscriptionVersionNewSP-CreateRequestBehavior BEHAVIOUR DEFINED AS ! This notification requests that a new service provider send a create request for a subscription version for which concurrence for porting the number has not been received.</pre>	
<pre>service-prov-authorization-creation-time-stamp subscriptionOldSP-AuthorizationTimeStamp, status-change-cause-code subscriptionStatusChangeCauseCode, access-control accessControl, subscription-timer-type subscriptionTimerType, subscription-business-type subscriptionBusinessType; REGISTERED AS {LNP-OIDS.lnp-notification 9}; subscriptionVersionNewSP-CreateRequestBehavior BEHAVIOUR DEFINED AS ! This notification requests that a new service provider send a create request for a subscription version for which concurrence for porting the number has not been received.</pre>	
<pre>subscriptionOldSP-AuthorizationTimeStamp, status-change-cause-code subscriptionStatusChangeCauseCode, access-control accessControl, subscription-timer-type subscriptionTimerType, subscription-business-type subscriptionBusinessType; REGISTERED AS {LNP-OIDS.lnp-notification 9}; subscriptionVersionNewSP-CreateRequestBehavior BEHAVIOUR DEFINED AS ! This notification requests that a new service provider send a create request for a subscription version for which concurrence for porting the number has not been received.</pre>	
<pre>status-change-cause-code subscriptionStatusChangeCauseCode, access-control accessControl, subscription-timer-type subscriptionTimerType, subscription-business-type subscriptionBusinessType; REGISTERED AS {LNP-OIDS.lnp-notification 9}; subscriptionVersionNewSP-CreateRequestBehavior BEHAVIOUR DEFINED AS ! This notification requests that a new service provider send a create request for a subscription version for which concurrence for porting the number has not been received.</pre>	
access-control accessControl, subscription-timer-type subscriptionTimerType, subscription-business-type subscriptionBusinessType; REGISTERED AS {LNP-OIDS.lnp-notification 9}; subscriptionVersionNewSP-CreateRequestBehavior BEHAVIOUR DEFINED AS ! This notification requests that a new service provider send a create request for a subscription version for which concurrence for porting the number has not been received.	
<pre>subscription-timer-type subscriptionTimerType, subscription-business-type subscriptionBusinessType; REGISTERED AS {LNP-OIDS.lnp-notification 9}; subscriptionVersionNewSP-CreateRequestBehavior BEHAVIOUR DEFINED AS ! This notification requests that a new service provider send a create request for a subscription version for which concurrence for porting the number has not been received.</pre>	
subscription-business-type subscriptionBusinessType; REGISTERED AS {LNP-OIDS.lnp-notification 9}; subscriptionVersionNewSP-CreateRequestBehavior BEHAVIOUR DEFINED AS ! This notification requests that a new service provider send a create request for a subscription version for which concurrence for porting the number has not been received.	
REGISTERED AS {LNP-OIDS.lnp-notification 9}; subscriptionVersionNewSP-CreateRequestBehavior BEHAVIOUR DEFINED AS ! This notification requests that a new service provider send a create request for a subscription version for which concurrence for porting the number has not been received.	
<u>subscriptionVersionNewSP-CreateRequestBehavior BEHAVIOUR</u> <u>DEFINED AS !</u> This notification requests that a new service provider send a create request for a subscription version for which concurrence for porting the number has not been received.	
DEFINED AS ! This notification requests that a new service provider send a create request for a subscription version for which concurrence for porting the number has not been received.	REGISTERED AS {LNP-OIDS.lnp-notification 9};
DEFINED AS ! This notification requests that a new service provider send a create request for a subscription version for which concurrence for porting the number has not been received.	
This notification requests that a new service provider send a create request for a subscription version for which concurrence for porting the number has not been received.	
a create request for a subscription version for which concurrence for porting the number has not been received.	
concurrence for porting the number has not been received.	
	The TN, the version id and the old service provider id,
authorization flag and authorization timestamp values are sent.	authorization flag and authorization timestamp values are sent.

If the new service provider supports timer type, it will be sent.
If the new service provider supports business type, it will be sent.
!;
10.0 LNP Subscription Version Old SP Concurrence Request Notification
subscriptionVersionOldSP-ConcurrenceRequest NOTIFICATION
BEHAVIOUR subscriptionVersionOldSP-ConcurrenceRequestBehavior;
WITH INFORMATION SYNTAX LNP-ASN1.VersionOldSP-ConcurrenceRequest
AND ATTRIBUTE IDS
tn subscriptionTN,
version-id subscriptionVersionId,
service-prov-due-date subscriptionNewSP-DueDate,
service-prov-authorization-creation-time-stamp
subscriptionNewSP-CreationTimeStamp,
access-control accessControl,
<u>subscription-timer-type subscriptionTimerType</u>
<pre>subscription-business-type subscriptionBusinessType;</pre>
<u>REGISTERED AS {LNP-OIDS.lnp-notification 10};</u>
subscriptionVersionOldSP-ConcurrenceRequestBehavior BEHAVIOUR
DEFINED AS !
This notification requests that a old service provider send
<u>a create request for a subscription version for which</u>
concurrence for porting the number has not been received.
The TN, the version id, and the new service provider id,
authorization flag and creation timestamp values are sent. If
the old service provider supports timer type, it will be sent. If
the old service provider supports business type, it will be sent.
<u>;</u>
11.0 LNP Subscription Version Status Attribute Value Change Notification
TILL ANT Subscription foreign bound incertance furthe shange notification
subscriptionVersionStatusAttributeValueChange NOTIFICATION
BEHAVIOUR subscriptionVersionStatusAttributeValueChangeBehavior;
WITH INFORMATION SYNTAX LNP-ASN1.VersionStatusAttributeValueChange
AND ATTRIBUTE IDS
value-change-info subscriptionVersionAttributeValueChangeInfo,
failed-service-provs subscriptionFailed-SP-List,
<pre>status-change-cause-code subscriptionStatusChangeCauseCode,</pre>
access-control_accessControl;
REGISTERED AS {LNP-OIDS.lnp-notification 11};
subscriptionVersionStatusAttributeValueChangeBehavior BEHAVIOUR
DEFINED AS !
This notification type is used to report changes to the
subscriptionVersionStatus field. It is identical to an
attribute value change notification as defined in M.3100
except for the addition of the list of failed service
providers in cases where the version status is active, failed or
partial failure and the subscriptionStatusChangeCauseCode if
it is set.
Foiled lists will also be petertially sent for subscription survival
Failed lists will also be potentially sent for subscription versions
with statuses of active, failed, partial failure, and old.
<u> </u>

12.0 LNP Subscription Version Old SP Final Concurrence Timer Expiration
Notification
subscriptionVersionOldSPFinalConcurrenceWindowExpiration NOTIFICATION
BEHAVIOUR
subscriptionVersionOldSPFinalConcurrenceWindowExpirationBehavior;
WITH INFORMATION SYNTAX
LNP-ASN1.VersionOldSPFinalConcurrenceWindowExpiration
AND ATTRIBUTE IDS
tn subscriptionTN,
version-id subscriptionVersionId,
access-control accessControl,
subscription-timer-type subscriptionTimerType,
<pre>subscription-business-type subscriptionBusinessType;</pre>
<pre>REGISTERED AS {LNP-OIDS.lnp-notification 12};</pre>
subscriptionVersionOldSPFinalConcurrenceWindowExpirationBehavior_BEHAVIOUR
DEFINED AS !
This notification will be sent by the NPAC SMS upon expiration of
the Final Concurrence Timer to the old service provider via the SOA
to NPAC SMS interface to inform them of the timer expiration. If
the old service provider supports timer type, it will be sent. If
the old service provider supports business type, it will be sent.
!;
13.0 LNP Number Pool Block Status Attribute Value Change Notification
<u>numberPoolBlockStatusAttributeValueChange NOTIFICATION</u>
BEHAVIOUR numberPoolBlockStatusAttributeValueChangeBehavior;
WITH INFORMATION SYNTAX LNP-
<u>ASN1.NumberPoolBlockStatusAttributeValueChange</u>
AND ATTRIBUTE IDS
value-change-info subscriptionVersionAttributeValueChangeInfo,
failed-service-provs numberPoolBlockFailed-SP-List,
access-control accessControl; REGISTERED AS {LNP-OIDS.lnp-notification 13};
REGISTERED AS {LNP-OIDS.IND-HOUIIICation is};
numberPoolBlockStatusAttributeValueChangeBehavior BEHAVIOUR
DEFINED AS !
This notification is used to report changes to the
numberPoolBlockStatus field. It is identical
to an attribute value change notification as defined in M.3100
except for the addition of the list of failed service
providers.
The failed service provider list reflects the EDR service
providers who failed to receive the number pool block and any non-EDR
service provider who failed to receive the corresponding subscription
versions of LNP type equal to 'pool'.
Failed lists will be potentially sent for number pool blocks
with statuses of active, failed, partial failure and old. This
notification will be sent to the SOAs when the
numberPoolBlockSOA-Origination is true for the number pool block
object.
!;

```
1.0 LNP Audits Managed Object
InpAudits MANAGED OBJECT CLASS
   DERIVED FROM "CCITT Rec. X.721 (1992) | ISO/IEC 10165-2 : 1992":top;
   CHARACTERIZED BY
       -lnpAuditsPkg;
    REGISTERED AS {LNP-OIDS.lnp-objectClass 1};
lnpAuditsPkg PACKAGE
   BEHAVIOUR
       -InpAuditsDefinition,
     lnpAuditsBehavior;
  -ATTRIBUTES
       InpAuditsDefinition BEHAVIOUR
   -DEFINED AS !
       The lnpAudits class is the managed object that is used as
       the container object for the subscriptionAudit objects on the
      NPAC SMS. This object has been created for scoping efficiency.
   ++
InpAuditsBehavior BEHAVIOUR
   DEFINED AS !
       NPAC SMS Managed Object for the SOA to NPAC SMS interface.
       The service provider SOA can M-GET any lnpAudits object on the
      NPAC SMS. (SOA Management Association Function).
       The Local SMS can not M GET any lnpAudits object on the NPAC SMS.
       The lnpAuditsName attribute is read only and can not
       be changed via the Local SMS or SOA Interface once the object has
       been created. The value of lnpAuditsName will always be "lnpAudits".
      Only one of these objects will exist per agent and it will only be
       created at startup of the CMIP agent software on the NPAC SMS.
 ____;
 2.0 LNP Local SMS Managed Object Class
InpLocalSMS MANAGED OBJECT CLASS
   DERIVED FROM "CCITT Rec. X.721 (1992) | ISO/IEC 10165 2 : 1992":top;
   CHARACTERIZED BY
       -lnpLocalSMS-Pkg;
   REGISTERED AS {LNP-OIDS.lnp-objectClass 2};
InpLocalSMS-Pkg PACKAGE
   -BEHAVIOUR
       -lnpLocalSMS-Definition,
```

```
-InpLocalSMS-Behavior;
   -ATTRIBUTES
       -lnpLocal-SMS-Name GET;
lnpLocalSMS-Definition BEHAVIOUR
 - DEFINED AS !
     The lnpLocalSMS class is the managed object that is used as the
      - container object for all Local SMS data in the NPAC SMS to
      -Local SMS Interface.
 ____+;
InpLocalSMS-Behavior BEHAVIOUR
   DEFINED AS !
     - Local SMS Managed Object.
      The NPAC SMS can M-GET any lnpLocalSMS object (Data Download
     - Association Function).
     The lnp LocalSMS Name attribute is read only and can not
     be changed via the Local SMS Interface once the object has
      been created. The value of lnpLocal SMS Name will always be
      a unique identifier for the Local SMS for the NPAC SMS to
      -Local SMS Interface.
    - Only one of these objects will exist and it will only be
      - created at startup of the CMIP agent software on the Local
   - 3.0 LNP Log Record for the Subscription Audit Local SMS Discrepancy Report
InpLogAudit-DiscrepancyRptRecord MANAGED OBJECT CLASS
   DERIVED FROM "CCITT Rec. X.721 (1992) | ISO/IEC 10165-2 :
1992":eventLogRecord;
  CHARACTERIZED BY
      —lnpLogAudit-DiscrepancyRptPkg;
  REGISTERED AS {LNP-OIDS.lnp-objectClass 3};
InpLogAudit=DiscrepancyRptPkg_PACKAGE
   -BEHAVIOUR
       -InpLogAudit-DiscrepancyRptDefinition,
    InpLogAudit DiscrepancyRptBehavior;
   ATTRIBUTES
      -auditDiscrepancyTn GET,
      -auditDiscrepancyVersionId GET,
    lnpLogAudit-DiscrepancyRptDefinition BEHAVIOUR
  - DEFINED AS !
    The lnpLoqAudit-DiscrepancyRptRecord class is the managed
     - object that is used to create log records for the
       -subscriptionAudit-DiscrepancyRpt Notification.
   ++
```

	00
<pre>lnpLogAudit-DiscrepancyRptBehavior BEHAVIOUR</pre>	
This log record can be used by any CME wanting to log the	
4.0 LNP Log Record for the Subscription Audit Results	
InpLogAuditResultsRecord MANAGED OBJECT CLASS	
DERIVED FROM "CCITT Rec. X.721 (1992)   ISO/IEC 10165-2 :	
1992":eventLogRecord; CHARACTERIZED_BY	
<pre>lnpLogAuditResultsPkg_PACKAGE</pre>	
BEHAVIOUR	
auditResultFailed-SP-List GET,	
auditResultNumberDiscrepancies GET,	
accessControl GET;	
<pre>lnpLogAuditResultsDefinition BEHAVIOUR</pre>	
The lnpLogAuditResultsRecord class is the managed object	
that is used to create log records for the	
subscriptionAuditResults Notification.	
• /	
<pre>lnpLogAuditResultsBehavior BEHAVIOUR</pre>	
This log record can be used by any CME wanting to log the	
• ,	
5.0 LNP Log Record for the Subscription Version Cancellation	
Acknowledge Request Notification	
nomonioago nogacoo noorricación	
<pre>lnpLoqCancellationAcknowledgeRequestRecord MANAGED OBJECT CLASS</pre>	
<u>DERIVED FROM "CCITT Rec. X.721 (1992)   ISO/IEC 10165-2</u> :	
1992":eventLogRecord;	
CHARACTERIZED BY	
<pre>lnpLogCancellationAcknowledgeRequestPkg_PACKAGE</pre>	
ATTRIBUTES	
accessControl GET;	
accessconcror GET,	

$\overline{}$
<pre>InpLogCancellationAcknowledgeRequestDefinition_BEHAVIOUR</pre>
- DEFINED AS !
The lnpLogCancellationAcknowledgeRequestRecord class is
the managed object that is used to create log records for the
subscriptionVersionCancellationAcknowledgeRequest
Notification.
<pre>lnpLogCancellationAcknowledgeRequestBehavior BEHAVIOUR</pre>
This log record can be used by any CME wanting to log the
7.0 LNP Log Record for the Subscription Version New SP Create Request
<pre>lnpLogNewSP-CreateRequestRecord MANAGED OBJECT CLASS</pre>
DERIVED FROM "CCITT Rec. X.721 (1992)   ISO/IEC 10165-2 :
1992":eventLogRecord;
<u>Present if the New SP SOA supports timer type</u> ;
<pre>REGISTERED AS {LNP-OIDS.lnp-objectClass 7};</pre>
subscriptionOldSP-Authorization GET,
accessControl GET;
-
<pre>InpLogNewSP-CreateRequestDefinition BEHAVIOUR</pre>
The lnpLogNewSP-CreateRequestRecord class is the managed
subscriptionVersionNewSP-CreateRequest Notification.
<pre>lnpLogNewSP-CreateRequestBehavior_BEHAVIOUR</pre>
This log record can be used by any CME wanting to log the

<u> </u>
8.0 LNP Log Record for the Subscription Version Old SP Concurrence Request
Notification
<pre>lnpLogOldSP-ConcurrenceRequestRecord MANAGED OBJECT CLASS</pre>
1992":eventLogRecord;
CHARACTERIZED BY
•
<pre>REGISTERED AS {LNP-OIDS.lnp-objectClass 8};</pre>
<pre>lnpLogOldSP-ConcurrenceRequestPkg_PACKAGE</pre>
BEHAVIOUR
ATTRIBUTES
<u>subscriptionNewCurrentSP_GET</u> ,
accessControl GET;
<pre>lnpLogOldSP-ConcurrenceRequestDefinition BEHAVIOUR</pre>
The lnpLogOldSP ConcurrenceRequestRecord class is the managed
object that is used to create log records for the
<pre>lnpLogOldSP-ConcurrenceRequestBehavior BEHAVIOUR</pre>
This log record can be used by any CME wanting to log the
subscriptionVersionOldSP-ConcurrenceRequest Notification.
• /
.,
9.0 LNP Log Record for the NPAC SMS Operational Information Notification
9.0 LNP Log Record for the NPAC SMS Operational Information Notification
9.0 LNP Log Record for the NPAC SMS Operational Information Notification
9.0 LNP Log Record for the NPAC SMS Operational Information Notification
9.0 LNP Log Record for the NPAC SMS Operational Information Notification <pre>InpLogOperational InformationRecord MANAGED OBJECT CLASS</pre>
9.0 LNP Log Record for the NPAC SMS Operational Information Notification <pre> InpLogOperational InformationRecord MANAGED OBJECT CLASS DERIVED FROM "CCITT Rec. X.721 (1992)   ISO/IEC 10165-2 : 1992":eventLogRecord; </pre>
9.0 LNP Log Record for the NPAC SMS Operational Information Notification <pre> lnpLogOperational_InformationRecord MANAGED OBJECT CLASS </pre>
9.0 LNP Log Record for the NPAC SMS Operational Information Notification <pre> InpLogOperational InformationRecord MANAGED OBJECT CLASS DERIVED FROM "CCITT Rec. X.721 (1992)   ISO/IEC 10165-2 : 1992":eventLogRecord; </pre>
9.0 LNP Log Record for the NPAC SMS Operational Information Notification <pre>InpLogOperational InformationRecord MANAGED OBJECT CLASS</pre>
9.0 LNP Log Record for the NPAC SMS Operational Information Notification <pre> lnpLogOperational_InformationRecord MANAGED OBJECT CLASS </pre>
9.0 LNP Log Record for the NPAC SMS Operational Information Notification <pre>InpLogOperational InformationRecord MANAGED OBJECT CLASS</pre>

	Obline Deminition
InpLogOperational-InformationDefinition,	
<pre></pre>	
downTime GET,	
additionalDownTimeInformation GET,	
accessControl GET;	
· · · · · · · · · · · · · · · · · · ·	
,	
<pre>lnpLogOperational-InformationDefinition_BEHAVIOUR</pre>	
DEFINED AS !	
The lnpLogOperational-InformationRecord class is the manag	ed object
that is used to create log records for the	ea object
InpNPAC-SMS-Operational-Information Notification.	
InpLogOperational-InformationBehavior BEHAVIOUR	
DEFINED AS !	
This log record can be used by any CME wanting to log the	
!;	
10.0 LNP Log Record for the Subscription Version Status Attribu	te Value
Change Notification	
<pre>lnpLogStatusAttributeValueChangeRecord MANAGED OBJECT CLASS</pre>	
DERIVED FROM "CCITT Rec. X.721 (1992)   ISO/IEC 10165-2 :	
1992":eventLogRecord;	
<pre>lnpLogStatusAttributeValueChangePkg;</pre>	
CONDITIONAL PACKAGES	
	RESENT IF
	service
<pre>— REGISTERED AS {LNP-OIDS.lnp-objectClass 10};</pre>	
<pre>lnpLogStatusAttributeValueChangePkg_PACKAGE</pre>	
BEHAVIOUR	
InpLogStatusAttributeValueChangeBehavior;	
ATTRIBUTES	
accessControl GET;	
· · · · ·	
<pre>lnpLogStatusAttributeValueChangeDefinition BEHAVIOUR</pre>	
The lnpLogStatusAttributeValueChangeRecord class is the ma	maged
subscriptionVersionStatusAttributeValueChange Notification	
• • •	
<pre>lnpLogStatusAttributeValueChangeBehavior BEHAVIOUR</pre>	
DEFINED AS !	
This log record can be used by any CME wanting to log the	
I Into roy record can be a <del>sed by any one wanting to roy the</del>	

subscriptionVersionStatusAttributeValueChange Notification.
<u>;</u>
11.0 LNP Network Managed Object Class
11.0 LINE NEEWOLK Managed Object Class
InpNetwork MANAGED OBJECT CLASS
lnpNetworkPkg;
ATTRIBUTES
$-\frac{1}{r}$
InpNetworkDefinition BEHAVIOUR
The InpNetwork class is the managed object that is used as the
container object for the serviceProvNetwork objects.
This object has been created primarily for scoping efficiency.
The lnpDownloadPkg will only be used for lnpNetwork object
instantiated on the NPAC SMS (Data Download Association Function).
This package is used for initiating from the Local SMS or SOA
downloading of serviceProvNetwork, serviceProvNPA-NXX, and
serviceProvLRN object creation, modification, deletion to the
Local SMS or SOA from the NPAC SMS.
InpNetworkBehavior BEHAVIOUR
Local SMS, SOA, and NPAC SMS Managed Object used for the Local SMS to
AIRC SHO and the SOA to WIRE SHO Interfaces.
The Local SMS, SOA, and the NPAC SMS can M-GET any InpNetwork
object (Data Download Association Function). The InpNetworkName
attribute is read only and can not be changed via the NPAC SMS
to Local SMS or SOA to NPAC SMS Interfaces once the object
has been created. The value of lnpNetworkName will always
be "lnpNetwork".
Only one of these objects will exist and it will only be
• /
12.0 LNP NPAC SMS Managed Object Class
InpNPAC-SMS MANAGED OBJECT CLASS
CHARACTERIZED BY

lnpNPAC-SMS-Pkg,
<pre>lnpNotificationRecoveryPkg;</pre>
InpNPAC-SMS-Pkg PACKAGE
BEHAVIOUR
ATTRIBUTES
;
InpNPAC-SMS-Definition BEHAVIOUR
DEFINED AS !
The lnpNPAC-SMS class is the managed object that is used as
the container object for all NPAC SMS objects in the NPAC SMS to
Local SMS Interface and the SOA to NPAC SMS interface.
• /
1npNPAC-SMS-Behavior BEHAVIOUR
NPAC SMS Managed Object for the SOA to NPAC SMS and the Local SMS
to NPAC SMS interface.
to wrac sas interface.
A Local SMS and SOA can M-GET any lnpNPAC-SMS object.
The lnpNPAC-SMS-Name attribute is read only and can not be
changed via either Interface once the object has been created.
The lnpRecoveryComplete Pkg is used to indicate the
recovery mode for the Local SMS or SOA is complete and to send all
updates made since the recovery mode began. (Data Download Functional
Group).
The lnpNotificationRecoveryPkg is used to recover notifications
in recovery mode by the Local SMS or SOA. (Data Download
Functional Group).
Only one of these objects will exist and it will only be
created at startup of the CMIP agent software on the NPAC SMS.
The lnpNPAC-SMS-Operational-Information will be used to notify
The subscriptionVersionNewNPA-NXX is used to support the Release
<u> </u>
13.0 LNP Service Providers Managed Object Class
InpServiceProvs MANAGED OBJECT CLASS

168

<pre>REGISTERED AS {LNP-OIDS.lnp-objectClass 13};</pre>
InpServiceProvsPkg PACKAGE BEHAVIOUR
<u> </u>
<u> </u>
InpServiceProvsDefinition BEHAVIOUR
DEFINED AS !
The lnpServiceProvs class is the managed object that is
for scoping efficiency.
<u>!</u> ;
<del>lnpServiceProvsBehavior BEHAVIOUR</del>
NPAC SMS Managed Object used for the Local SMS to NPAC
SMS and SOA to NPAC SMS interfaces.
A Local SMS and service provider SOA can M-GET any
The InpServiceProvsName attribute is read only and can not
be changed via the Local SMS Interface once the object has
been created. The value of lnpServiceProvsName will
Only one of these objects will exist and it will only be created
at startup of the CMIP agent software on the NPAC SMS.
14.0 LNP Subscriptions Managed Object Class
InpSubscriptions MANAGED OBJECT CLASS
DERIVED FROM "CCITT Rec. X.721 (1992)   ISO/IEC 10165-2 : 1992":top;
<pre>subscriptionVersionLocalSMS-CreatePkg;</pre>

	the object is instantiated on the NPAC SMS!,
subs	criptionVersionNewSP-CancellationPkg_PRESENT_IF
	the object is instantiated on the NPAC SMS!,
	criptionVersionRemoveFromConflictPkg PRESENT IF
	<pre>!the object is instantiated on the NPAC SMS!;</pre>
REGI	STERED AS {LNP-OIDS.lnp-objectClass 14};
— <del>npSubsc</del> :	riptionsPkg PACKAGE
BEHAY	
	InpSubscriptionsDefinition,
	InpSubscriptionsBehavior;
ATTR	
	InpSubscriptionsName GET;
NOTI	FICATIONS
	subscriptionVersionLocalSMS-ActionResults;
<del>;</del>	
-	riptionsDefinition BEHAVIOUR
	NED AS !
	Local SMS and NPAC SMS Managed Object for the SOA to NPAC SMS
÷	and the Local SMS to NPAC SMS interface.
r	The lnpSubscriptions class is the managed object that is used
	as the container object for the subscription version objects
	on the NPAC SMS and the Local SMS.
	Sh the write bid and the local bid.
 	Local SMS interfaces must be able to support scope/filtered M-SETs and M-DELETEs with a TN range as the primary filter.
······································	Local SMS interfaces must be able to support scope/filtered M-SETs and M-DELETEs with a TN range as the primary filter. riptionsBehavior BEHAVIOUR
i i i i i i i i i i i i i i i i i i i	Local SMS interfaces must be able to support scope/filtered M-SETs and M-DELETEs with a TN range as the primary filter. riptionsBehavior BEHAVIOUR NED AS !
i i i i i i i i i i i i i i i i i i i	Local SMS interfaces must be able to support scope/filtered M-SETs and M-DELETEs with a TN range as the primary filter. riptionsBehavior BEHAVIOUR
npSubsc:	Local SMS interfaces must be able to support scope/filtered M-SETs and M-DELETEs with a TN range as the primary filter. riptionsBehavior BEHAVIOUR NED AS ! Local SMS and NPAC SMS Managed Object
npSubse:	Local SMS interfaces must be able to support scope/filtered M-SETs and M-DELETES with a TN range as the primary filter. riptionsBehavior BEHAVIOUR NED AS ! Local SMS and NPAC SMS Managed Object The Local SMS (Data Download Association Function) and the servio
npSubsc: DEFII	Local SMS interfaces must be able to support scope/filtered M-SETs and M-DELETEs with a TN range as the primary filter. riptionsBehavior BEHAVIOUR NED AS ! Local SMS and NPAC SMS Managed Object The Local SMS (Data Download Association Function) and the servi- provider SOA (SOA Management Association Function) can M-GET any
npSubsc: DEFII	Local SMS interfaces must be able to support scope/filtered M-SETs and M-DELETES with a TN range as the primary filter. riptionsBehavior BEHAVIOUR NED AS ! Local SMS and NPAC SMS Managed Object The Local SMS (Data Download Association Function) and the servi- provider SOA (SOA Management Association Function) can M GET any lnpSubscriptions object. The lnpSubscriptionsName attribute
npSubsc: DEFII	Local SMS interfaces must be able to support scope/filtered M-SETs and M-DELETES with a TN range as the primary filter. riptionsBehavior BEHAVIOUR NED AS ! Local SMS and NFAC SMS Managed Object The Local SMS (Data Download Association Function) and the servi- provider SOA (SOA Management Association Function) can M-GET any lnpSubscriptions object. The lnpSubscriptionsName attribute is read only and can not be changed via the Local SMS Interface
npSubsc DEFII	Local SMS interfaces must be able to support scope/filtered M-SETs and M-DELETES with a TN range as the primary filter. riptionsBehavior BEHAVIOUR NED AS ! Local SMS and NPAC SMS Managed Object The Local SMS (Data Download Association Function) and the servi- provider SOA (SOA Management Association Function) can M GET any lnpSubscriptions object. The lnpSubscriptionsName attribute is read only and can not be changed via the Local SMS Interface once the object has been created. The value of
npSubsc:	Local SMS interfaces must be able to support scope/filtered M-SETs and M-DELETES with a TN range as the primary filter. riptionsBehavior BEHAVIOUR NED AS ! Local SMS and NPAC SMS Managed Object The Local SMS (Data Download Association Function) and the servi provider SOA (SOA Management Association Function) can M-GET any lnpSubscriptions object. The lnpSubscriptionsName attribute is read only and can not be changed via the Local SMS Interface
npSubsc: DEFII	Local SMS interfaces must be able to support scope/filtered M-SETs and M-DELETES with a TN range as the primary filter. riptionsBehavior BEHAVIOUR NED AS ! Local SMS and NPAC SMS Managed Object The Local SMS (Data Download Association Function) and the servi provider SOA (SOA Management Association Function) can M GET any hpSubscriptions object. The lnpSubscriptionsName attribute is read only and can not be changed via the Local SMS Interface pnce the object has been created. The value of lnpSubscriptionsName will always be "lnpSubscriptions".
npSubsc: DEFII	Local SMS interfaces must be able to support scope/filtered M-SETs and M-DELETES with a TN range as the primary filter. riptionsBehavior BEHAVIOUR NED AS ! Local SMS and NPAC SMS Managed Object The Local SMS (Data Download Association Function) and the servi- provider SOA (SOA Management Association Function) can M GET any lnpSubscriptions object. The lnpSubscriptionsName attribute is read only and can not be changed via the Local SMS Interface once the object has been created. The value of lnpSubscriptionsName will always be "lnpSubscriptions".
	Local SMS interfaces must be able to support scope/filtered M-SETS and M-DELETES with a TN range as the primary filter. riptionsBehavior BEHAVIOUR NED AS ! Local SMS and NPAC SMS Managed Object The Local SMS (Data Download Association Function) and the servi provider SOA (SOA Management Association Function) can M-GET any lnpSubscriptions object. The lnpSubscriptionsName attribute is read only and can not be changed via the Local SMS Interface pnee the object has been created. The value of lnpSubscriptionsName will always be "lnpSubscriptions". Only one of these objects will exist and it will only be created at startup of the CMIP agent software on the NPAC SMS
	Local SMS interfaces must be able to support scope/filtered M-SETs and M-DELETES with a TN range as the primary filter. riptionsBehavior BEHAVIOUR NED AS ! Local SMS and NPAC SMS Managed Object The Local SMS (Data Download Association Function) and the servi- provider SOA (SOA Management Association Function) can M GET any lnpSubscriptions object. The lnpSubscriptionsName attribute is read only and can not be changed via the Local SMS Interface once the object has been created. The value of lnpSubscriptionsName will always be "lnpSubscriptions".
	Local SMS interfaces must be able to support scope/filtered M SETs and M DELETES with a TN range as the primary filter. riptionsBehavior BEHAVIOUR NED AS ! Local SMS and NPAC SMS Managed Object The Local SMS (Data Download Association Function) and the servi provider SOA (SOA Management Association Function) can M GET any lnpSubscriptions object. The lnpSubscriptionsName attribute is read only and can not be changed via the Local SMS Interface once the object has been created. The value of lnpSubscriptionsName will always be "lnpSubscriptions". Only one of these objects will exist and it will only be created at startup of the CMIP agent software on the NPAC SMS or the Local SMS.
npSubsc: DEFII	Local SMS interfaces must be able to support scope/filtered M-SETs and M-DELETES with a TN range as the primary filter. riptionsBehavior BEHAVIOUR NED AS ! Local SMS and NPAC SMS Managed Object The Local SMS (Data Download Association Function) and the servi- provider SOA (SOA Management Association Function) can M GET any lnpSubscriptions object. The lnpSubscriptionsName attribute is read only and can not be changed via the Local SMS Interface once the object has been created. The value of lnpSubscriptionsName will always be "lnpSubscriptions". Only one of these objects will exist and it will only be created at startup of the CMIP agent software on the NPAC SMS or the Local SMS.
npSubsc: DEFII	Local SMS interfaces must be able to support scope/filtered M_SETs and M_DELETES with a TN range as the primary filter. riptionsBehavior BEHAVIOUR NED_AS_! Local SMS and NPAC SMS Managed Object The Local SMS (Data Download Association Function) and the servi- provider SOA (SOA Management Association Function) can M_GET any InpSubscriptions object. The InpSubscriptionsName attribute is read only and can not be changed via the Local SMS Interface once the object has been created. The value of InpSubscriptionsName will always be "InpSubscriptions". Only one of these objects will exist and it will only be created at startup of the CMIP agent software on the NPAC SMS or the Local SMS. The InpDownloadPkg will only be used for a InpSubscriptions
npSubse: DEFII	Local SMS interfaces must be able to support scope/filtered M SETs and M DELETES with a TN range as the primary filter. riptionsBehavior BEHAVIOUR NED AS ! Local SMS and NFAC SMS Managed Object The Local SMS (Data Download Association Function) and the servi- provider SOA (SOA Management Association Function) can M GET any InpSubscriptions object. The InpSubscriptionsName attribute is read only and can not be changed via the Local SMS Interface once the object has been created. The value of InpSubscriptionsName will always be "InpSubscriptions". Only one of these objects will exist and it will only be created at startup of the CMIP agent software on the NPAC SMS or the Local SMS.
npSubsc: DEFII	Local SMS interfaces must be able to support scope/filtered M SETs and M DELETES with a TN range as the primary filter. riptionsBehavior BEHAVIOUR NED AS ! Local SMS and NPAC SMS Managed Object The Local SMS (Data Download Association Function) and the servi- provider SOA (SOA Management Association Function) can M CET any InpSubscriptions object. The InpSubscriptionsName attribute is read only and can not be changed via the Local SMS Interface once the object has been created. The value of InpSubscriptionsName will always be "InpSubscriptions". Only one of these objects will exist and it will only be created at startup of the CMIP agent software on the NPAC SMS or the Local SMS. The InpDownloadPkg will only be used for a InpSubscriptions object instantiated on the NPAC SMS. This package is- used for initiating downloading of subscriptionVersions object creation, deletion, or modifications to the Local
npSubsc: DEFII	Local SMS interfaces must be able to support scope/filtered M SETs and M DELETES with a TN range as the primary filter. riptionsBehavior BEHAVIOUR NED AS ! Local SMS and NFAC SMS Managed Object The Local SMS (Data Download Association Function) and the servi- provider SOA (SOA Management Association Function) can M GET any InpSubscriptions object. The InpSubscriptionsName attribute is read only and can not be changed via the Local SMS Interface once the object has been created. The value of InpSubscriptionsName will always be "InpSubscriptions". Only one of these objects will exist and it will only be created at startup of the CMIP agent software on the NPAC SMS or the Local SMS.
npSubse: DEFII	Local SMS interfaces must be able to support scope/filtered M SETs and M DELETES with a TN range as the primary filter. riptionsBehavior BEHAVIOUR NED AS ! Local SMS and NFAC SMS Managed Object The Local SMS (Data Download Association Function) and the servi provider SOA (SOA Management Association Function) can M GET any lnpSubscriptions object. The lnpSubscriptionsName attribute is read only and can not be changed via the Local SMS Interface once the object has been created. The value of lnpSubscriptionsName will always be "lnpSubscriptions". Only one of these objects will exist and it will only be ereated at startup of the CMIP agent software on the NPAC SMS or the Local SMS. The lnpDownloadPkg will only be used for a lnpSubscriptions object instantiated on the NPAC SMS. This package is- used for initiating downloading of subscriptionVersions object creation, deletion, or modifications to the Local SMS (Data Download Association Function).
	Local SMS interfaces must be able to support scope/filtered M SETs and M DELETES with a TN range as the primary filter. riptionsBehavior BEHAVIOUR NED AS ! Local SMS and NPAC SMS Managed Object The Local SMS (Data Download Association Function) and the servi- provider SOA (SOA Management Association Function) can M GET any lnpSubscriptions object. The lnpSubscriptionsName attribute is read only and can not be changed via the Local SMS Interface snee the object has been created. The value of lnpSubscriptionsName will always be "lnpSubscriptions". Only one of these objects will exist and it will only be created at startup of the CMIP agent software on the NPAC SMS or the Local SMS.
	Local SMS interfaces must be able to support scope/filtered M SETs and M DELETES with a TN range as the primary filter. riptionsBehavior BEHAVIOUR NED AS ! Local SMS and NFAC SMS Managed Object The Local SMS (Data Download Association Function) and the servi- provider SOA (SOA Management Association Function) can M GET any lnpSubscriptions object. The lnpSubscriptionsName attribute is read only and can not be changed via the Local SMS Interface once the object has been created. The value of lnpSubscriptionsName will always be "lnpSubscriptions". Only one of these objects will exist and it will only be ereated at startup of the CMIP agent software on the NPAC SMS or the Local SMS. The lnpDownloadPkg will only be used for a lnpSubscriptions object instantiated on the NPAC SMS. This package is- used for initiating downloading of subscriptionVersions object creation, deletion, or modifications to the Local SMS (Data Download Association Function).
	Local SMS interfaces must be able to support scope/filtered M SETs and M DELETES with a TN range as the primary filter. riptionsBehavior BEHAVIOUR NED AS ! Local SMS and NPAC SMS Managed Object The Local SMS (Data Download Association Function) and the servi- provider SOA (SOA Management Association Function) can M GET any lnpSubscriptions object. The lnpSubscriptionsName attribute is read only and can not be changed via the Local SMS Interface snee the object has been created. The value of lnpSubscriptionsName will always be "lnpSubscriptions". Only one of these objects will exist and it will only be created at startup of the CMIP agent software on the NPAC SMS or the Local SMS.

	GDMO Definition
<u>г</u>	The subscriptionVersionNewSP-CreatePkg will only be used for a
	InpSubscriptions object instantiated on the NPAC SMS. This
	package is used for creation of subscription versions for
-	porting TNs by the new service provider.
1	
r	The subscriptionVersionDisconnectPkg will only be used for a
	Insubscriptions object instantiated on the NPAC SMS. This
	package is used for disconnection of a ported TN by the current
i.	service provider.
	The sub-endetion Medi Cophered 11 and a becaused. Come
	The subscriptionVersionModifyPkg will only be used for a
	InpSubscriptions object instantiated on the NPAC SMS. This
	package is used for modification of a ported TN by a service
Ĩ	provider.
	The subscriptionVersionActivatePkg will only be used for a
	InpSubscriptions object instantiated on the NPAC SMS. This
î	package is used for activation of a ported TN by a new service
1	p <del>rovider.</del>
r	The subscriptionVersionCancelPkg will only be used for a
	InpSubscriptions object instantiated on the NPAC SMS. This
	package is used for cancellation of a ported TN by a service
	<del>provider.</del>
I	
r	The subscriptionVersionOldSP CancellationPkg will only be
	used for a lnpSubscriptions object instantiated on the NPAC SMS.
	This package is used for acknowledgment of subscription versions
	with status values of cancel-pending. This action is used by
	the old service provider SOA.
-	
	The subscriptionVersionNewSP-CancellationPkg will only be
	used for a lnpSubscriptions object instantiated on the NPAC SMS.
	This package is used for acknowledgment of subscription versions
	with status values of cancel-pending. This action is used by
	the new service provider SOA.
r	The subscriptionVersionRemoveFromConflictPkg will only be
1	used for a lnpSubscriptions object instantiated on the NPAC SMS.
r	This package is used for setting the status of subscription versions
	with status values of conflict to pending. This action is used by
	either the new or old service provider SOA.
<u>-!;</u>	
• /	
15 0 1	LNP Service Provider Managed Object Class
13.01	INI SELVICE HOVIDEL Managed Object Class
	rov MANAGED OBJECT CLASS
	VED FROM serviceProvNetwork;
	ACTERIZED BY
	serviceProvPkg;
COND	ITIONAL PACKAGES
	serviceProvBillingAddressPkg_PRESENT_IF
	the service provider has billing address and contact
	serviceProvSOA-AddressPkg_PRESENT_IF
	the service provider has SOA address and contact information!,
	serviceProvLSMS-AddressPkg PRESENT IF
- i	
	<pre>!the service provider has LSMS address and contact information!,</pre>

serviceProvWebAddressPkg PRESENT IF
-
<pre>!the service provider has network and communication facilities</pre>
address and contact information!,
the service provider has conflict resolution interface
address and contact information!,
information!,
<pre>!the service provider has repair contact information!,</pre>
the service provider has security contact information!,
serviceProvUserAdminAddressPkg PRESENT IF
and contact information!;
REGISTERED AS {LNP OIDS.lnp objectClass 15};
serviceProvPkg PACKAGE
BEHAVIOUR
ATTRIBUTES
serviceProvDefinition BEHAVIOUR — DEFINED AS : — The serviceProv class is the managed object
DEFINED AS !         The serviceProv class is the managed object         used on the NPAC SMS to contain the data related to each         LNP service provider.
<pre>DEFINED AS !</pre>
DEFINED AS ! The serviceProv class is the managed object used on the NPAC SMS to contain the data related to each LNP service provider. ;; serviceProvBehavior BEHAVIOUR
<pre>DEFINED AS !</pre>
<pre>DEFINED AS !</pre>
<pre>DEFINED AS !</pre>
DEFINED AS ! The serviceProv class is the managed object used on the NPAC SMS to contain the data related to each LNP service provider.
DEFINED AS ! The serviceProv class is the managed object used on the NPAC SMS to contain the data related to each LNP service provider. !; serviceProvBehavior BEHAVIOUR DEFINED AS ! NPAC SMS Managed Object used for the Local SMS to NPAC SMS interface.
DEFINED AS ! The serviceProv class is the managed object used on the NPAC SMS to contain the data related to each LNP service provider. !; serviceProvBehavior BEHAVIOUR DEFINED AS ! NPAC SMS Managed Object used for the Local SMS to NPAC SMS interface. A Local SMS and service provider SOA can M-GET their
DEFINED AS ! The serviceProv class is the managed object used on the NPAC SMS to contain the data related to each LNP service provider. !; serviceProvBehavior BEHAVIOUR DEFINED AS ! NPAC SMS Managed Object used for the Local SMS to NPAC SMS interface.
<pre>DEFINED AS !     The serviceProv class is the managed object     used on the NPAC SMS to contain the data related to each     LNP service provider.     !;  serviceProvBehavior BEHAVIOUR     DEFINED AS !     NPAC SMS Managed Object used for the Local SMS to NPAC     SMS interface.     A Local SMS and service provider SOA can M GET their     serviceProv object (Network Data Association Function).</pre>
<pre>DEFINED AS !     The serviceProv class is the managed object     used on the NPAC SMS to contain the data related to each     LNP service provider.     !;  serviceProvBehavior BEHAVIOUR     DEFINED AS !     NPAC SMS Managed Object used for the Local SMS to NPAC     SMS interface.     A Local SMS and service provider SOA can M GET their     serviceProv object (Network Data Association Function).     Attempts to read any unauthorized service provider information</pre>
<pre>DEFINED AS !     The serviceProv class is the managed object     used on the NPAC SMS to contain the data related to each     LNP service provider.     !;  serviceProvBehavior BEHAVIOUR     DEFINED AS !     NPAC SMS Managed Object used for the Local SMS to NPAC     SMS interface.     A Local SMS and service provider SOA can M-GET their     serviceProv object (Network Data Association Function).     Attempts to read any unauthorized service provider information     will be rejected. All attributes in this object, except serviceProvID</pre>
<pre>DEFINED AS !     The serviceProv class is the managed object         used on the NPAC SMS to contain the data related to each         LNP service provider.     !;  serviceProvBehavior BEHAVIOUR     DEFINED AS !         NPAC SMS Managed Object used for the Local SMS to NPAC         SMS interface.         A Local SMS and service provider SOA can M GET their         serviceProv object (Network Data Association Function).         Attempts to read any unauthorized service provider information         will be rejected. All attributes in this object, except serviceProvID         and npacCustomerAllowableFunctions can be M-SET by the Local SMS</pre>
<pre>DEFINED AS !     The serviceProv class is the managed object     used on the NPAC SMS to contain the data related to each     LNP service provider.     !;  serviceProvBehavior BEHAVIOUR     DEFINED AS !     NPAC SMS Managed Object used for the Local SMS to NPAC     SMS interface.     A Local SMS and service provider SOA can M-GET their     serviceProv object (Network Data Association Function).     Attempts to read any unauthorized service provider information     will be rejected. All attributes in this object, except serviceProvID</pre>
<pre>DEFINED AS !     The serviceProv class is the managed object         used on the NPAC SMS to contain the data related to each         LNP service provider.     !;  serviceProvBehavior BEHAVIOUR     DEFINED AS !         NPAC SMS Managed Object used for the Local SMS to NPAC         SMS interface.         A Local SMS and service provider SOA can M GET their         serviceProv object (Network Data Association Function).         Attempts to read any unauthorized service provider information         will be rejected. All attributes in this object, except serviceProvID         and npacCustomerAllowableFunctions can be M-SET by the Local SMS</pre>
<pre>DEFINED AS !     The serviceProv class is the managed object         used on the NPAC SMS to contain the data related to each         LNP service provider.         !;      serviceProvBehavior BEHAVIOUR         DEFINED AS !         NPAC SMS Managed Object used for the Local SMS to NPAC         SMS interface.         A Local SMS and service provider SOA can M GET their         serviceProv object (Network Data Association Function).         Attempts to read any unauthorized service provider information         will be rejected. All attributes in this object, except serviceProvID         and npacCustomerAllowableFunctions can be M SET by the Local SMS         and SOA Interfaces once the object has been created on the NPAC SMS. </pre>
<pre>DEFINED AS !     The serviceProv class is the managed object     used on the NPAC SMS to contain the data related to each     LNP service provider.     !;  serviceProvBehavior BEHAVIOUR     DEFINED AS !     NPAC SMS Managed Object used for the Local SMS to NPAC     SMS interface.     A Local SMS and service provider SOA can M_GET their     serviceProv object (Network Data Association Function).     Attempts to read any unauthorized service provider information     will be rejected. All attributes in this object, except serviceProvID     and npacCustomerAllowableFunctions can be M_SET by the Local SMS     and SOA Interfaces once the object has been created on the NPAC SMS.    </pre>
<pre>DEFINED AS !     The serviceProv class is the managed object         used on the NPAC SMS to contain the data related to each         LNP service provider.         !;      serviceProvBehavior BEHAVIOUR         DEFINED AS !         NPAC SMS Managed Object used for the Local SMS to NPAC         SMS interface.         A Local SMS and service provider SOA can M GET their         serviceProv object (Network Data Association Function).         Attempts to read any unauthorized service provider information         will be rejected. All attributes in this object, except serviceProvID         and npacCustomerAllowableFunctions can be M SET by the Local SMS         and SOA Interfaces once the object has been created on the NPAC SMS. </pre>
<pre>DEFINED AS !     The serviceProv class is the managed object     used on the NPAC SMS to contain the data related to each     LNP service provider.     !;  serviceProvBehavior BEHAVIOUR     DEFINED AS !     NPAC SMS Managed Object used for the Local SMS to NPAC     SMS interface.     A Local SMS and service provider SOA can M-GET their     serviceProv object (Network Data Association Function).     Attempts to read any unauthorized service provider information     will be rejected. All attributes in this object, except serviceProvID     and npacCustomerAllowableFunctions can be M-SET by the Local SMS     and SOA Interfaces once the object has been created on the NPAC SMS. </pre>
<pre>DEFINED AS !     The serviceProv class is the managed object     used on the NPAC SMS to contain the data related to each     LNP service provider.     !;  serviceProvBehavior BEHAVIOUR     DEFINED AS !     NPAC SMS Managed Object used for the Local SMS to NPAC     SMS interface.     A Local SMS and service provider SOA can M-GET their     serviceProv object (Network Data Association Function).     Attempts to read any unauthorized service provider information     will be rejected. All attributes in this object, except serviceProvID     and npacCustomerAllowableFunctions can be M-SET by the Local SMS     and SOA Interfaces once the object has been created on the NPAC SMS. </pre>
<pre>DEFINED AS !     The serviceProv class is the managed object     used on the NPAC SMS to contain the data related to each     LNP service provider.     '';  serviceProvBehavior BEHAVIOUR     DEFINED AS !     NPAC SMS Managed Object used for the Local SMS to NPAC     SMS interface.     A Local SMS and service provider SOA can M GET their     serviceProv object (Network Data Association Function).     Attempts to read any unauthorized service provider information     will be rejected. All attributes in this object, except serviceProvID     and npacCustomerAllowableFunctions can be M-SET by the Local SMS     and SOA Interfaces once the object has been created on the NPAC SMS.     '';     '' 16.0 LNP Service Provider LRN Managed Object Class </pre>
<pre>DEFINED AS !     The serviceProv class is the managed object     used on the NPAC SMS to contain the data related to each     LNP service provider.     '';  serviceProvBehavior BEHAVIOUR     DEFINED AS !     NPAC SMS Managed Object used for the Local SMS to NPAC     SMS interface.     A Local SMS and service provider SOA can M GET their     serviceProv object (Network Data Association Function).     Attempts to read any unauthorized service provider information     will be rejected. All attributes in this object, except serviceProvID     and npacCustomerAllowableFunctions can be M SET by the Local SMS     and SOA Interfaces once the object has been created on the NPAC SMS.     '';     '' 16.0 LNP Service Provider LRN Managed Object Class     DERIVED FROM "CCITT Rec. X.721 (1992) + ISO/IEC 10165-2 : 1992":top; </pre>
<pre>DEFINED AS !     The serviceProv class is the managed object     used on the NPAC SMS to contain the data related to each     LNP service provider.     '''  serviceProvBehavior BEHAVIOUR     DEFINED AS !     NPAC SMS Managed Object used for the Local SMS to NPAC     SMS interface.     A Local SMS and service provider SOA can M GET their     serviceProv object (Network Data Association Function).     Attempts to read any unauthorized service provider information     will be rejected. All attributes in this object, except serviceProvID     and npacCustomerAllowableFunctions can be M SET by the Local SMS     interfaces once the object has been created on the NPAC SMS.     i;     16.0 LNP Service Provider LRN Managed Object Class     ServiceProvLRN MANAGED OBJECT CLASS     DERIVED FROM "CCITT Rec. X.721 (1992)   ISO/IEC 10165-2 : 1992":top;     CHARACTERIZED BY</pre>
<pre>DEFINED AS !     The serviceProv class is the managed object     used on the NPAC SMS to contain the data related to each     LNP service provider.     !;  serviceProvBehavior BEHAVIOUR     DEFINED AS !     NPAC SMS Managed Object used for the Local SMS to NPAC     SMS interface.     A Local SMS and service provider SOA can M GET their     serviceProv object (Network Data Association Function)     Attempts to read any unauthorized service provider information     will be rejected. All attributes in this object, except serviceProvID     and npacCustomerAllowableFunctions can be M SET by the Local SMS     and SOA Interfaces once the object has been created on the NPAC SMS.     !;     "16.0 LNP Service Provider LRN Managed Object Class     serviceProvLRN MANAGED OBJECT CLASS     DERIVED FROM "CCITT Rec. X.721 (1992) + ISO/IEC 10165-2 : 1992":top;         GHARACTERIZED BY         serviceProvLRN Pkg; </pre>
<pre>DEFINED AS !     The serviceProv class is the managed object     used on the NPAC SMS to contain the data related to each     LNP service provider.     '''  serviceProvBehavior BEHAVIOUR     DEFINED AS !     NPAC SMS Managed Object used for the Local SMS to NPAC     SMS interface.     A Local SMS and service provider SOA can M GET their     serviceProv object (Network Data Association Function).     Attempts to read any unauthorized service provider information     will be rejected. All attributes in this object, except serviceProvID     and npacCustomerAllowableFunctions can be M SET by the Local SMS     interfaces once the object has been created on the NPAC SMS.     i;     16.0 LNP Service Provider LRN Managed Object Class     ServiceProvLRN MANAGED OBJECT CLASS     DERIVED FROM "CCITT Rec. X.721 (1992)   ISO/IEC 10165-2 : 1992":top;     CHARACTERIZED BY</pre>
<pre>DEFINED AS !     The serviceProv class is the managed object     used on the NPAC SMS to contain the data related to each     LNP service provider.     !;  serviceProvBehavior BEHAVIOUR     DEFINED AS !     NPAC SMS Managed Object used for the Local SMS to NPAC     SMS interface.     A Local SMS and service provider SOA can M GET their     serviceProv object (Network Data Association Function)     Attempts to read any unauthorized service provider information     will be rejected. All attributes in this object, except serviceProvID     and npacCustomerAllowableFunctions can be M SET by the Local SMS     and SOA Interfaces once the object has been created on the NPAC SMS.     !;     "16.0 LNP Service Provider LRN Managed Object Class     serviceProvLRN MANAGED OBJECT CLASS     DERIVED FROM "CCITT Rec. X.721 (1992) + ISO/IEC 10165-2 : 1992":top;         GHARACTERIZED BY         serviceProvLRN Pkg; </pre>

<del>serviceProvLRN-Pkg PACKAGE</del>
BEHAVIOUR
ATTRIBUTES
<pre>serviceProvLRN-CreationTimeStamp GET;</pre>
serviceProvLRN_Definition_BEHAVIOUR
DEFINED AS -
The serviceProvLRN class is the managed object
used to identify Service Provider LRN values open for
porting.
<u> </u>
- /
<del>serviceProvLRN_Behavior_BEHAVIOUR</del>
Local SMS and NPAC SMS Managed Object used for the Local SMS to
NING SHE and DON TO WING SHE INCELLACES.
All attributes are read only. Once created, the serviceProvLRN
object can only be deleted via the Local SMS or SOA interface.
The serviceProvLRN-ID is specified by the NPAC SMS. The
serviceProvLRN-CreationTimeStamp will reflect the current system
date and time when the object is created.
Functional Unit). The Local SMS or SOA only creates local
copies of serviceProvLRN objects after receiving the
the NPAC SMS for initial instantiation, or from a download request.
the what sms for initial instantiation, of from a download request.
A Local SMS or SOA can M-GET any serviceProvLRN object (Network Data
Functional Unit).
serviceProvLRN object on the NPAC SMS for the
service provider id specified in the access control
(Network Data Functional Unit). Attempts to take
actions on unauthorized service provider objects will be
rejected.
The creation or deletion of a serviceProvLRN object will be
distributed to all Local SMSs and SOAs.
The serviceProvLRN Value attributes on the NPAC SMS can
not be modified by the Local SMS or SOA. The service
provider will have to add a new object and delete the
<u> </u>
17.0 LNP Service Provider Network Managed Object Class

serviceProvNetwork MANAGED OBJECT CLASS
<pre>DERIVED FROM "CCITT Rec. X.721 (1992)   ISO/IEC 10165-2 : 1992":top;</pre>
CHARACTERIZED BY
serviceProvNetworkPkg_PACKAGE
<u>serviceProvNetworkBehavior;</u>
<del>;</del>
serviceProvNetworkDefinition BEHAVIOUR
The serviceProvNetwork class is the managed object
used to contain the network data for a service provider.
serviceProvNetworkBehavior_BEHAVIOUR
DEFINED AS !
Local SMS, SOA, and NPAC SMS Managed Object used for the
Local SMS to NPAC SMS interface and the SOA to NPAC SMS interface.
any serviceProvNetwork object (Network Data Association Function).
to NPAC SMS interface once the object has been created on
the Local SMS, SOA or NPAC SMS. The serviceProvName can be
only create or modify local copies of serviceProvNetwork objects
after receiving the objects from an NPAC SMS M-CREATE or M-SET
request or reading them from the NPAC SMS for initial instantiation.
serviceProvNPA-NXX MANAGED OBJECT CLASS
DERIVED FROM "CCITT Rec. X.721 (1992)   ISO/IEC 10165-2 : 1992":top;
5.
<pre>REGISTERED AS {LNP-OIDS.lnp-objectClass 18};</pre>
<del>serviceProvNPA-NXX-Pkg PACKAGE</del>
BEHAVIOUR
ATTRIBUTES
<pre>serviceProvNPA-NXX-CreationTimeStamp GET;</pre>

serviceProvNPA-NXX-Definition_BEHAVIOUR
The serviceProvNPA-NXX class is the managed object
used to identify Service Provider NPA-NXX values open for
porting.
serviceProvNPA-NXX-Behavior BEHAVIOUR
DEFINED AS !
Local SMS, SOA, and NPAC SMS Managed Object used for the Local
SMS to NPAC SMS interface and the SOA to NPAC SMS interface.
All attributes are read only. Once created, the serviceProvNPA-NXX
serviceProvNPA-NXX-ID is specified by the NPAC SMS. The
serviceProvNPA NXX CreationTimeStamp will be set to the current
NPAC SMS can M-GET, M-DELETE and M-CREATE any serviceProvNPA-NXX
The Local SMS or SOA only creates local copies of
serviceProvNPA-NXX objects after receiving the objects from
an NPAC SMS create, after reading them from the NPAC SMS for
Service providers can M-GET any serviceProvNPA-NXX object.
A Local SMS or SOA can M-DELETE and M-CREATE any
serviceProvNPA-NXX object on the NPAC SMS for their service
(Network Data Association Function). Attempts to
take actions on unauthorized service provider objects will
be rejected.
A Local SMS or SOA can not modify any of the attributes.
To cause an NPA-NXX split to occur the service provider must
19.0 LNP Subscription Audit Managed Object
subscriptionAudit MANAGED OBJECT CLASS
<u>DERIVED FROM "CCITT Rec. X.721 (1992)   ISO/IEC 10165-2 : 1992":top;</u>
CONDITIONAL PACKAGES
<pre></pre>
REGISTERED AS {LNP-OIDS.lnp-objectClass 19};
BEHAVIOUR
<u>subscriptionAuditDefinition</u>
ATTRIBUTES

subscriptionAuditId GET,	
<u>subscriptionAuditNumberOfTNs_GET</u>	
subscriptionAuditNumberOfTNsComplete GET,	
<u>subscriptionAuditRequestingSP_GET;</u>	
subscriptionAudit-DiscrepancyRpt,	
1992":attributeValueChange	
accessControlParameter,	
	Creation
accessControlParameter,	
	<del>:Deletion</del>
accessControlParameter;	
subscriptionAuditDefinition BEHAVIOUR	
represents a subscription audit request. This object is	
only instantiated on the NPAC SMS.	
<u>;</u>	
subscriptionAuditBehavior BEHAVIOUR	
When the subscriptionAuditStatus changes an attribute val	lue
change will be emitted to the audit requester.	
All attributes must be specified upon create with the exe	<del>ention</del>
of the subscriptionAuditTN-ActivationRange, if an audit i	
not being performed on an activation date range. If the	
subscriptionAuditAttributeList is not specified then a fi	.11
audit is assumed. If the subscriptionAuditTN-ActivationRa	
specified then an audit of all TNs in the range specified	<del>nge 15</del>
subscriptionAuditTN-Range will be audited. The serviceAu	<del>laltia</del>
is determined by the NPAC SMS.	
The subscriptionAuditRequestingSP is the id of the service	<del>:e provider</del>
who requested the audit.	
The NPAC SMS will be required to set the number of TNs the set the set the number of TNs the set the set the number of TNs the set the number of TNs the set the set the set the number of TNs the set the s	
will be audited in the subscriptionAuditNumberOfTNs attr	i <del>bute</del>
based on the NPAC SMS audit request criteria.	
The SOA or NPAC SMS can M-CREATE, M-GET subscriptionAudit	5
managed objects on the NPAC SMS (SOA Management Function)	
When a subscriptionAudit object is created on the NPAC SN	
or all service providers. The SOA can only M-GET subscri	
that they created.	-Loromana
chat they created.	
The SOA will be required to set the requesting SP with	
	audi+
their service provider id so that the origination of the	addit

	request can be tracked and notifications can be sent to the
	requesting SOA.
	When this object is created and deleted, object creation and
	deletion notifications will be sent to the requester. Object
	deletion indicates completion of an audit. The audit results
	notification will be sent before the object is deleted by the
	entity performing the audit indicating how many discrepancies the
	audit found and reported during execution.
	If discrepancies are found during the audit, audit discrepancy
	notifications will be sent to the requester at the time they
	are found. When audit discrepancy notifications are sent by
	the NPAC SMS to the requesting SOA , create, modify or delete
	requests will be sent to the Local SMS by the NPAC SMS to correct the
	discrepancies found.
	Deletion of an audit object cancels an audit request.
	The purge of audits are based on the tunable "Audit Log
	Retention Period" which defaults to 90 days.
· ;	
- 20.0	LNP subscription Version Managed Object Class
	tionVersion MANAGED OBJECT CLASS
	VED FROM "CCITT Rec. X.721 (1992)   ISO/IEC 10165-2 : 1992":top;
	ACTERIZED BY
	subscriptionVersionPkg;
	ITIONAL PACKAGES
	subscriptionWSMSC-DataPkg PRESENT IF
	Subscriptionwohoe Datarky indodni in
	the service provider is supporting WSMSC information !;
	<pre>!the service provider is supporting WSMSC information!; STERED AS {LNP-OIDS.lnp-objectClass 20};</pre>
	the service provider is supporting WSMSC information !;
	<pre>!the service provider is supporting WSMSC information!; STERED AS {LNP-OIDS.lnp-objectClass 20}; tionVersionPkg PACKAGE</pre>
REGI — ubscrip — BEHA	<pre>!the service provider is supporting WSMSC information!; STERED AS {LNP-OIDS.lnp-objectClass 20}; tionVersionPkg PACKAGE</pre>
REGI 	<pre>!the service provider is supporting WSMSC information!; STERED AS {LNP-OIDS.lnp-objectClass 20}; tionVersionPkg PACKAGE VIOUR</pre>
REGI	<pre>!the service provider is supporting WSMSC information!; STERED AS {LNP OIDS.lnp objectClass 20}; tionVersionPkg PACKAGE VIOUR subscriptionVersionDefinition;</pre>
REGI abscrip BEHA ATTR	<pre>!the service provider is supporting WSMSC information!; STERED AS {LNP OIDS.lnp objectClass 20}; tionVersionPkg PACKAGE VIOUR subscriptionVersionDefinition; subscriptionVersionBehavior; IBUTES</pre>
REGI ubscrip BEHA	<pre>!the service provider is supporting WSMSC information!; STERED AS {LNP OIDS.lnp objectClass 20}; tionVersionPkg PACKAGE <del>VIOUR</del> subscriptionVersionDefinition, subscriptionVersionBehavior; IBUTES subscriptionVersionId GET,</pre>
REGI 	<pre>!the service provider is supporting WSMSC information!; STERED AS {LNP-OIDS.lnp-objectClass 20}; tionVersionPkg PACKAGE VIOUR subscriptionVersionDefinition, subscriptionVersionBehavior; IBUTES subscriptionVersionId GET, subscriptionTh GET,</pre>
REGI 	<pre>!the service provider is supporting WSMSC information!; STERED AS {LNP-OIDS.lnp-objectClass 20}; tionVersionPkg PACKAGE VIOUR subscriptionVersionDefinition, subscriptionVersionBehavior; IBUTES subscriptionVersionId GET, subscriptionTN GET, subscriptionTN GET, subscriptionLRN GET-REPLACE,</pre>
REGI 	<pre>!the service provider is supporting WSMSC information!; STERED AS {LNP-OIDS.lnp-objectClass 20}; tionVersionPkg PACKAGE VIOUR subscriptionVersionDefinition, subscriptionVersionBehavior; IBUTES subscriptionVersionId GET, subscriptionTN GET, subscriptionTN GET, subscriptionLRN GET REPLACE, subscriptionNewCurrentSP GET REPLACE,</pre>
REGI ubscrip BEHA ATTR	<pre>!the service provider is supporting WSMSC information!; STERED AS {LNP OIDS.lnp objectClass 20}; tionVersionPkg PACKAGE VIOUR subscriptionVersionDefinition, subscriptionVersionBehavior; IBUTES subscriptionVersionId GET, subscriptionTN GET, subscriptionTN GET, subscriptionLRN GET REPLACE, subscriptionNewCurrentSP GET REPLACE, subscriptionActivationTimeStamp GET_REPLACE,</pre>
REGI	<pre>!the service provider is supporting WSMSC information!; STERED AS {LNP OIDS.lnp objectClass 20}; tionVersionPkg PACKAGE VIOUR subscriptionVersionDefinition, subscriptionVersionBehavior; IBUTES subscriptionVersionId GET, subscriptionTN GET, subscriptionLRN GET REPLACE, subscriptionNewCurrentSP GET REPLACE, subscriptionActivationTimeStamp GET_REPLACE, subscriptionCLASS-DPC GET_REPLACE,</pre>
REGI 	<pre>!the service provider is supporting WSMSC information!; STERED AS {LNP OIDS.lnp objectClass 20}; tionVersionPkg PACKAGE vHOUR subscriptionVersionDefinition; subscriptionVersionBehavior; HBUTES subscriptionVersionId GET, subscriptionTN GET, subscriptionLRN GET REPLACE, subscriptionNewCurrentSP GET REPLACE, subscriptionActivationTimeStamp GET REPLACE, subscriptionCLASS-DPC GET REPLACE, subscriptionCLASS-SSN GET REPLACE,</pre>
REGI ubscrip BEHA ATTR	<pre>!the service provider is supporting WSMSC information!; STERED AS {LNP OIDS.lnp objectClass 20}; tionVersionPkg PACKAGE VIOUR subscriptionVersionDefinition; subscriptionVersionBehavior; IBUTES subscriptionVersionId GET, subscriptionTN GET, subscriptionLRN GET - REPLACE; subscriptionNewCurrentSP GET - REPLACE; subscriptionActivationTimeStamp GET - REPLACE; subscriptionCLASS - DPC GET - REPLACE; subscriptionCLASS - SSN GET - REPLACE; subscriptionLIDB - DPC - GET - REPLACE;</pre>
REGI ubscrip BEHA ATTR	<pre>!the service provider is supporting WSMSC information!; STERED AS (LNP OIDS.lnp objectClass 20); tionVersionPkg PACKAGE VIOUR subscriptionVersionDefinition, subscriptionVersionBehavior; IBUTES subscriptionVersionId GET, subscriptionTN GET, subscriptionLRN GET REPLACE, subscriptionActivationTimeStamp GET REPLACE, subscriptionCLASS DPC GET REPLACE, subscriptionCLASS SN GET REPLACE, subscriptionLIDB DPC GET REPLACE, subscriptionLIDB DPC GET REPLACE,</pre>
REGI ubscrip BEHA	<pre>!the service provider is supporting WSMSC information!; STERED AS (LNP-OIDS.lnp-objectClass 20); tionVersionPkg PACKAGE VIOUR subscriptionVersionDefinition, subscriptionVersionBehavior; IBUTES subscriptionVersionId GET, subscriptionTN GET, subscriptionLRN GET REPLACE, subscriptionNewCurrentSP GET REPLACE, subscriptionActivationTimeStamp GET REPLACE, subscriptionCLASS DPC GET REPLACE, subscriptionCLASS SSN GET REPLACE, subscriptionLIDB DPC GET REPLACE,</pre>
REGI ubscrip BEHA ATTR	<pre>!the service provider is supporting WSMSC information!; STERED AS (LNP OIDS.lnp objectClass 20); tionVersionPkg PACKAGE vIOUR subscriptionVersionDefinition, subscriptionVersionDehavior; IBUTES subscriptionVersionId GET, subscriptionTN GET, subscriptionLRN GET REPLACE, subscriptionNewCurrentSP GET REPLACE, subscriptionActivationTimeStamp GET-REPLACE, subscriptionCLASS - DPC GET REPLACE, subscriptionCLASS - SSN GET - REPLACE, subscriptionLIDB DPC GET REPLACE, subscriptionLIDB DPC GET REPLACE, subscriptionLIDB SSN GET REPLACE, subscriptionCNAM DPC GET REPLACE,</pre>
REGI ubscrip BEHA	<pre>!the service provider is supporting WSMSC information!; STERED AS (LNP OIDS.lnp objectClass 20); tionVersionPkg PACKAGE vIOUR subscriptionVersionDefinition, subscriptionVersionBehavior; IBUTES subscriptionTN GET, subscriptionTN GET, subscriptionLRN GET REPLACE, subscriptionNewCurrentSP GET REPLACE, subscriptionActivationTimeStamp GET REPLACE, subscriptionCLASS DPC GET REPLACE, subscriptionLIDB DPC GET REPLACE, subscriptionLIDB DPC GET REPLACE, subscriptionLIDB SSN GET REPLACE, subscriptionLIDB SSN GET REPLACE, subscriptionCLASS SSN GET REPLACE, subscriptionLIDB SSN GET REPLACE, subscriptionLIDB SSN GET REPLACE, subscriptionLIDB SSN GET REPLACE, subscriptionLIDB SSN GET REPLACE, subscriptionCNAM SSN GET REPLACE, subscriptionSVM DPC GET REPLACE,</pre>
REGI ubscrip BEHA	<pre>!the service provider is supporting WSMSC information!; STERED AS (LNP OIDS.lnp objectClass 20); tionVersionPkg PACKAGE vIOUR subscriptionVersionDefinition, subscriptionVersionDehavior; IBUTES subscriptionVersionId GET, subscriptionTN GET, subscriptionLRN GET REPLACE, subscriptionNewCurrentSP GET REPLACE, subscriptionActivationTimeStamp GET-REPLACE, subscriptionCLASS - DPC GET REPLACE, subscriptionCLASS - SSN GET - REPLACE, subscriptionLIDB DPC GET REPLACE, subscriptionLIDB DPC GET REPLACE, subscriptionLIDB SSN GET REPLACE, subscriptionCNAM DPC GET REPLACE,</pre>
REGI BEHA	<pre>!the service provider is supporting W6M6C information!; STERED AS (LNP OIDS.lnp objectClass 20); tionVersionPkg PACKAGE VIOUR subscriptionVersionDefinition; subscriptionVersionBehavior; IBUTES subscriptionVersionId GET; subscriptionTN GET; subscriptionLRN GET REPLACE; subscriptionNewCurrentSP GET REPLACE; subscriptionActivationTimeStamp GET REPLACE; subscriptionCLASS DPC GET REPLACE; subscriptionCLASS SN GET REPLACE; subscriptionLIDB DPC GET REPLACE; subscriptionLIDB DPC GET REPLACE; subscriptionCLASS GET REPLACE; subscriptionCLASS GET REPLACE; subscriptionCLASS SN GET REPLACE; subscriptionCLASS SN GET REPLACE; subscriptionCNAM DPC GET REPLACE; subscriptionCNAM SSN GET REPLACE; subscriptionCNAM SSN GET REPLACE; subscriptionCNAM SSN GET REPLACE; subscriptionISVM DPC GET REPLACE; subscriptionISVM DPC GET REPLACE; subscriptionISVM SSN GET REPLACE;</pre>
REGI BEHA	<pre>!the service provider is supporting WSMSC information!; STERED AS (LNP-OIDS.lnp-objectClass 20); tionVersionPkg PACKAGE VIOUR subscriptionVersionDefinition, subscriptionVersionBehavior; IBUTES subscriptionVersionId GET, subscriptionTN-GET, subscriptionNewCurrentSP GET-REPLACE, subscriptionNewCurrentSP GET-REPLACE, subscriptionActivationTimeStamp GET-REPLACE, subscriptionCLASS-DPC GET-REPLACE, subscriptionCLASS-DPC GET-REPLACE, subscriptionCLASS-SSN GET-REPLACE, subscriptionLIDB-DPC GET-REPLACE, subscriptionLIDB-DPC GET-REPLACE, subscriptionLIDB-SSN GET-REPLACE, subscriptionCNAM-DPC GET-REPLACE, subscriptionCNAM-SSN GET-REPLACE, subscriptionISVM-DPC GET-REPLACE, subscriptionISVM-SSN GET-REPLACE, subscriptionISVM-SSN GET-REPLACE, subscriptionISVM-SSN GET-REPLACE, subscriptionISVM-SSN GET-REPLACE, subscriptionISVM-SSN GET-REPLACE, subscriptionISVM-SSN GET-REPLACE,</pre>
REGI Ubscrip BEHA ATTR	<pre>!the service provider is supporting WSMSC information!; STERED AS (LNP OIDS.lnp objectClass 20); tionVersionPkg PACKAGE VIOUR subscriptionVersionDefinition, subscriptionVersionBehavior; IBUTES subscriptionVersionId GET, subscriptionTN GET, subscriptionLRN GET REPLACE, subscriptionNewCurrentSP GET REPLACE, subscriptionActivationTimeStamp GET REPLACE, subscriptionCLASS DPC GET REPLACE, subscriptionCLASS SSN GET REPLACE, subscriptionLIDB DPC GET REPLACE, subscriptionLIDB SSN GET REPLACE, subscriptionLIDB SSN GET REPLACE, subscriptionCLASS SSN GET REPLACE, subscriptionLIDB SSN GET REPLACE,</pre>
REGI Ubscrip BEHA	<pre>!the service provider is supporting WSMSC information!; STERED AS (LNP-OIDS.lnp-objectClass 20); tionVersionPkg PACKAGE VIOUR subscriptionVersionDefinition, subscriptionVersionBehavior; IBUTES subscriptionVersionId GET, subscriptionTN-GET, subscriptionNewCurrentSP GET-REPLACE, subscriptionNewCurrentSP GET-REPLACE, subscriptionActivationTimeStamp GET-REPLACE, subscriptionCLASS-DPC GET-REPLACE, subscriptionCLASS-DPC GET-REPLACE, subscriptionCLASS-SSN GET-REPLACE, subscriptionLIDB-DPC GET-REPLACE, subscriptionLIDB-DPC GET-REPLACE, subscriptionLIDB-SSN GET-REPLACE, subscriptionCNAM-DPC GET-REPLACE, subscriptionCNAM-SSN GET-REPLACE, subscriptionISVM-DPC GET-REPLACE, subscriptionISVM-SSN GET-REPLACE, subscriptionISVM-SSN GET-REPLACE, subscriptionISVM-SSN GET-REPLACE, subscriptionISVM-SSN GET-REPLACE, subscriptionISVM-SSN GET-REPLACE, subscriptionISVM-SSN GET-REPLACE,</pre>

	- subscriptionDownloadReason GET-REPLACE;
<del>;</del>	
ubscri	ptionVersionDefinition BEHAVIOUR
	INED AS !
	The subscriptionVersion class is the managed object that
	represents a subscription version on the Local SMS.
<u>+;</u>	represents a subscription version on the notar sho.
• /	
	ptionVersionBehavior BEHAVIOUR
	INED AS !
	-Local SMS Managed Object
	NPAC SMS can M-GET (Query Association Function), M-SET, M-DELETE
	and M-CREATE (Data Download Association Function) any
	- subscriptionVersion object on the Local SMS (Data Download
	Association Function). The Local SMS only creates local copies
	of subscriptionVersion objects after receiving the objects from an
	NPAC SMS create request or reading them from the NPAC SMS for
	-initial instantiation.
	The subscriptionVersionId is assigned upon creation by the
	-The subscription version of is assigned upon creation by the
	NIAC SMS and IS lead Only.
	The subscriptionTN, subscriptionLRN and associated routing
	information, are specified by the new service provider SOA upon
	creation of a new subscription version.
	The subscriptionActivationTimeStamp is set by the NPAC SMS as the
	current date and time when the subscriptionVersion activation
	request is received from the new service provider.
	The Local SMS will receive the subscriptionWSMSC DataPkg
	attributes if the 'NPAC New Functionality Support' indicator
	is set for the `LSMS WSMSC DPC SSN Data' in their service
	provider profile on the NPAC SMS.
	When the subscription version is downloaded to the locals, the
	-subscriptionDownloadReason is set to one of new, delete, modified,
	-or audit-discrepancy. This field is not validated in audits.
	of addit afferepancy. This field is not variated in dates.
	When the subconjution warries disconnect is breadenet
	When the subscription version disconnect is broadcast,
	sent to the donor SOA informing the service provider of the actual
	-customer disconnect date.
	The Local SMS can not modify any of the subscription version
	data locally unless changes were downloaded via a download
	-request.
21.0	LNP NPAC Subscription Version Managed Object Class
auhaari	ptionVersionNPAC MANAGED OBJECT CLASS
	IVED FROM subscriptionVersion;
~ ~ ~ ~ ~ ~	
	RACTERIZED BY 

subscriptionDownloadBeason GET-BEPLACE.

<pre>REGISTERED AS {LNP-OIDS.lnp-objectClass 21};</pre>
subscriptionVersionNPAC-Pkg PACKAGE
BEHAVIOUR
subscriptionVersionNPAC-Behavior;
subscriptionNewSP-CreationTimeStamp_GET_REPLACE,
subscriptionOldSP Authorization GET REPLACE,
subscriptionEffectiveReleaseDate GET_REPLACE,
subscriptionModifiedTimeStamp GET-REPLACE,
subscriptionOldSP-CancellationTimeStamp_GET-REPLACE,
subscriptionNewSP-CancellationTimeStamp GET-REPLACE,
<pre>subscriptionOldSP-ConflictResolutionTimeStamp_GET_REPLACE,</pre>
subscriptionNewSP-ConflictResolutionTimeStamp GET-REPLACE,
subscriptionPortingToOriginal-SPSwitch GET-REPLACE,
subscriptionVersionOldSPFinalConcurrenceWindowExpiration,
<pre>subscriptionVersionCancellationAcknowledgeRequest,</pre>
<pre>subscriptionVersionDonorSP-CustomerDisconnectDate,</pre>
subscriptionVersionStatusAttributeValueChange,
attributeValueChange accessControlParameter,
accessControlParameter;
subscriptionVersionNPAC-Definition BEHAVIOUR
The subscriptionVersionNPAC class is the managed object
that represents a subscription version on the NPAC SMS.
aubequintientensienNDAC Debenien DEUAUTOUD
subscriptionVersionNPAC-Behavior BEHAVIOUR
NPAC SMS Managed Object for the SOA to NPAC SMS and the Local SMS
to NPAC SMS interface.

	GDMO Definitions
	A Local SMS can M-GET any subscriptionVersionNPAC objects
	from the NPAC SMS via the Local SMS Interface (Data Download
	Association Function).
	A Service Provider SOA can M-GET any subscriptionVersionNPAC
	- objects from the NPAC SMS via the SOA Interface (SOA Management
	- Association Function).
	ASSOCIACIÓN FUNCCIÓN).
	The Annual Developer 201 on Local CMC data a second filtered
	If a Service Provider SOA or Local SMS does a scoped filtered
	M-GET for subscription versions, this request will only be
	successful if the number of records to be returned is less
	than or equal to the NPAC SMS tunable parameter,
	"Max Subscriber Query", in the Service Data table.
	— When the status of an object is changed to "cancel pending",
	- subscriptionPreCancellationStatus is first set to the current status.
	-
	The subscriptionCreationTimeStamp is set to the current system
	time when the object is created.
	time which the object is created.
	When the subscription version is modified for any reason, the
	subscriptionModifiedTimeStamp is updated with the current system time.
	When the subscription version is broadcast to Local SMSs via
	the NPAC to Local SMS interface, the subscriptionBroadcastTimeStamp
	is updated with the current system time.
	When the subscription version has its version status set to old,
	the subscriptionOldTimeStamp is updated with the current system
	time.
	When the subscription version has its version status set to cancel,
	the subscriptionCancellationTimeStamp is updated with the
	<u>current system time.</u>
	When the subscription version has its version status set to
	- conflict, the subscriptionConflictTimeStamp is updated with the
	- current system time.
	carrent by been erne.
	When the subscription version is disconnected and the version
	status is set to old, the subscriptionDisconnectCompleteTimeStamp
	is updated with the current system time.
	When the subscription version status is set to disconnect pending
	the subscriptionEffectiveReleaseDate is set to the date the
	- disconnect should be broadcast.
	When the subscription version in a cancel-pending
	state is acknowledged by an old service provider SOA, the
	- current system time.
	1
	When the subscription version in a cancel-pending
	- state is acknowledged by a new service provider SOA, the
	state is acknowledged by a new service provider son, the subscriptionNewSP-CancellationTimeStamp is updated with the
	When the subscription version in a conflict state is removed

	GDMO Definitions
	from conflict by the old service provider SOA, the
	<pre>subscriptionOldSP-ConflictResolutionTimeStamp is updated with the</pre>
	-current system time.
	When the subscription version in a conflict state is removed
	from conflict by the new service provider SOA, the
	-subscriptionNewSP-ConflictResolutionTimeStamp is updated with
	the current system time.
	When the subscription version status is failed or partially-failed,
	the subscriptionFailed SP List is populated with a list of the
	failed service providers.
	When the subscription version is created, the subscriptionTimerType
	is set according to the type of timer the old and new service
	- providers support.
	-providers-support.
	When the subscription version is created, the
	subscriptionBusinessType is set according to the business days and
	hours selection of the old and new service providers.
	The Country Duridou CON can M CET and M CET subscriptionVensionNDAC
	The Service Provider SOA can M-GET and M-SET subscriptionVersionNPAC
	- objects via the SOA to NPAC SMS interface (SOA Management Association
	Function). Rules for M-SET are described below.
	For M-GET requests, the filter will support all attributes for
	-a specified ported TN.
	Any service provider SOA can view any subscription version for any
	-active ported TN (SOA Management Association Function).
	Subscription versions are created on the NPAC SMS via actions over
	the SOA to NFAC SMS interface to the InpSubscriptions object (SOA
	Management Association Function). New service provider SOAs must use
	the subscriptionVersionNewSP-Create action and old service
	provider SOAs must use the subscriptionVersionOldSP-Create action.
	Creates can be performed provided there is only one
	currently active subscription version for the TN.
	-subscriptionPortingToOriginal-SPSwitch can only be specified as
	TRUE for a TN that is currently ported and is being ported back
	the the original action is currently ported and is being ported back
	to the original service provider. If the value of
	- subscriptionPortingToOriginal-SPSwitch is TRUE, the LRN and GTT data
	should not be specified. This data is not specified because
	when the activate occurs for the subscription version, the Local
	SMS will receive requests to delete the old subscription version
	routing data in their networks and they will not receive any
	new network routing data for the subscription. Concurrence from the
	-old service provider is required.
	If the part of the subgaristion vargion is an intra-corvice
	If the port of the subscription version is an intra-service
	provider port, the new service provider SOA can use the
	provider port, the new service provider SOA can use the -subscriptionVersionNewSP-Create action specifying the old service
-	provider port, the new service provider SOA can use the subscriptionVersionNewSP-Create action specifying the old service provider equal to the new service provider. In this case, the
	provider port, the new service provider SOA can use the -subscriptionVersionNewSP-Create action specifying the old service

	The new service provider SOA must provide the
	Support' indicator is set for the 'SOA WSMSC DPC SSN Data'
	in their service provider profile on the NPAC SMS.
	Once a version has been created that passes validation, the
	- subscriptionVersionNPAC object subscriptionVersionStatus will
	be set to pending and an object creation notification will be sent
	to both old and new service provider SOAs. If a version
	previously existed, attribute value change notifications will be
	sent to both old and new service provider SOAs.
	If there is a pending version that does not have concurrence during
-	the "Service Provider Concurrence Window" specified in the Service
	Data table, a subscriptionVersionConcurrenceRequest notification wil
	be sent to the service provider SOA that has not responded. The
	subscriptionVersionStatus will be set to cancel if the new
	service provider SOA has not responded or to conflict if the old
	service provider SOA has not responded after the "Service Provider
	- Final Concurrence Window". A status attribute value change-
	will be sent to both service providers.
	will be sent to both service providers.
	The Country During the COL and M OTT an and an M DOTTON to and if for
	The Service Provider SOA can M-SET or use an M-ACTION to modify
	attributes associated with pending, conflict, or partial-failed-
	subscription versions (SOA Management Association Function).
	Attempts to modify an active, sending, failed, partial-fialed,
	- canceled, cancel-pending, disconnect-pending or old version using
	M SET will result in an access denied error.
	in bhr with reduct in an access denred circle.
	Modification of an active subscription can be done only by the
	current/new service provider SOA using the subscriptionVersionModify
	-action.
	Old service provider SOAs can only modify the following attributes:
	- Old service provider SOAs can only modify the following attributes:
	Old service provider SOAs can only modify the following attributes:
	<pre>subscriptionOldSP-DueDate subscriptionOldSP-Authorization subscriptionStatusChangeCauseCode New service provider SOAs can only modify the following attributes: subscriptionLRN</pre>
	<pre></pre>
	<pre>subscriptionOldSP-DueDate subscriptionOldSP-Authorization subscriptionStatusChangeCauseCode New service provider SOAs can only modify the following attributes: subscriptionLRN subscriptionNewSP-DueDate subscriptionCLASS-DPC</pre>
	<pre>subscriptionOldSP-DueDate subscriptionOldSP-Authorization subscriptionStatusChangeCauseCode New service provider SOAs can only modify the following attributes: subscriptionLRN subscriptionNewSP-DueDate subscriptionCLASS-DPC subscriptionCLASS-SSN</pre>
	<pre>subscriptionOldSP-DueDate subscriptionOldSP-Authorization subscriptionStatusChangeCauseCode New service provider SOAs can only modify the following attributes: subscriptionLRN subscriptionNewSP-DueDate subscriptionCLASS-DPC subscriptionCLASS-SSN subscriptionLIDB-DPC</pre>
	<pre>subscriptionOldSP-DueDate subscriptionOldSP-Authorization subscriptionStatusChangeCauseCode New service provider SOAs can only modify the following attributes: subscriptionLRN subscriptionNewSP-DueDate subscriptionCLASS-DPC subscriptionCLASS-SSN subscriptionLIDB-DPC subscriptionLIDB-SSN</pre>
	<pre>subscriptionOldSP-DueDate subscriptionOldSP-Authorization subscriptionStatusChangeCauseCode New service provider SOAs can only modify the following attributes: subscriptionLRN subscriptionNewSP-DueDate subscriptionCLASS-DPC subscriptionLLDB-DPC subscriptionLLDB-SSN subscriptionCNAM-DPC</pre>
	<pre>subscriptionOldSP-DueDate subscriptionOldSP-Authorization subscriptionStatusChangeCauseCode New service provider SOAs can only modify the following attributes: subscriptionLRN subscriptionNewSP-DueDate subscriptionCLASS-DPC subscriptionLIDB-DPC subscriptionLIDB-DPC subscriptionLIDB_SSN subscriptionCNAM_DPC subscriptionCNAM_SSN</pre>
	<pre>subscriptionOldSP-DueDate subscriptionOldSP-Authorization subscriptionStatusChangeCauseCode New service provider SOAs can only modify the following attributes: subscriptionLRN subscriptionNewSP-DueDate subscriptionCLASS-DPC subscriptionLIDB-DPC subscriptionLIDB-DPC subscriptionLIDB_SSN subscriptionCNAM_DPC subscriptionCNAM_SSN</pre>
	<pre>subscriptionOldSP-DueDate subscriptionOldSP-Authorization subscriptionStatusChangeCauseCode New service provider SOAs can only modify the following attributes: subscriptionLRN subscriptionNewSP-DueDate subscriptionCLASS-DPC subscriptionLLDB-DPC subscriptionLLDB-DPC subscriptionCLASSN subscriptionCLAM-DPC subscriptionCNAM-SSN subscriptionISVM-DPC</pre>
	<pre>subscriptionOldSP-DueDate subscriptionOldSP-Authorization subscriptionStatusChangeCauseCode New service provider SOAs can only modify the following attributes: subscriptionLRN subscriptionNewSP-DueDate subscriptionCLASS-DPC subscriptionLIDB-DPC subscriptionLIDB-SSN subscriptionCNAM_DPC subscriptionISVM-DPC subscriptionISVM-DPC subscriptionISVM-SSN</pre>
	<pre>subscriptionOldSP-DueDate subscriptionOldSP-Authorization subscriptionStatusChangeCauseCode New service provider SOAs can only modify the following attributes: subscriptionLRN subscriptionNewSP-DueDate subscriptionCLASS-DPC subscriptionCLASS-SSN subscriptionLIDB-DPC subscriptionLIDB-SSN subscriptionCNAM-DPC subscriptionCNAM-SSN subscriptionISVM-DPC subscriptionISVM-DPC subscriptionISVM-SSN subscriptionISVM-SSN subscriptionISVM-SSN</pre>
	<pre>subscriptionOldSP-DueDate subscriptionOldSP-Authorization subscriptionStatusChangeCauseCode New service provider SOAs can only modify the following attributes: subscriptionLRN subscriptionNewSP-DueDate subscriptionCLASS-DPC subscriptionLIDB-DPC subscriptionLIDB-SSN subscriptionCNAM_DPC subscriptionISVM_DPC subscriptionISVM_SSN </pre>
	<pre>subscriptionOldSP-DueDate subscriptionOldSP-Authorization subscriptionStatusChangeCauseCode New service provider SOAs can only modify the following attributes: subscriptionLRN subscriptionCLASS-DPC subscriptionLIDB-DPC subscriptionLIDB-SN subscriptionCNAM_SN subscriptionISVM_DPC subscriptionISVM_DPC subscriptionISVM_SSN subscriptISVM_SSN subscriptISVM_SSN subscriptISVM_SSN subscriptISVM_SSN subscriptISVM_SSN subscriptISVM_SSN subscriptISVM_SSN subscriptISVM_SSN subscriptISVM_SSN sub</pre>
	<pre>subscriptionOldSP-DueDate subscriptionOldSP-Authorization subscriptionStatusChangeCauseCode New service provider SOAs can only modify the following attributes: subscriptionLRN subscriptionNewSP-DueDate subscriptionCLASS-DPC subscriptionLIDB-DPC subscriptionLIDB-SN subscriptionCNAM_DPC subscriptionISVM_DPC subscriptionISVM_DPC subscriptionISVM_SSN subscriptionISVM_SSN subscriptionISVM_SSN subscriptionISVM_SSN subscriptionISVM_SSN subscriptionISVM_SSN subscriptionISVM_SSN subscriptionISVM_SSN subscriptionISVM_SSN </pre>

	GDMO Definitions
	Upone subscription version creation, the subscriptionOldSP-DueDate-
	-and subscriptionVewSP-DueDate must match.
	and subscriptionvewor buebace match.
	—
	Validation will be done for both old and new service
	provider data that is specified on an M-SET. If validation fails,
	no changes will be made and a processing failure will be returned.
	If the version passes validation, the version status will be
	set to pending. An error message will be returned to the service
	provider if the status is not pending when they attempt to change
	the version status to cancel-pending.
	One of the second in the base second of the second second is a second base
	Once a pending version has been created, the new service provider
	can activate the subscription version if the new
	-service provider due date has been reached and the NPA-NXX effective
	-date has been reached.
	Once the version is activated, the version status is set to
	-sending, the broadcast time stamp is updated, and creates
	are sent to the Local SMSs.
	If the create requests are successful for all Local SMSs, the
	version status will be marked as active and the previously active
	-subscription version will have its version status set to old.
	±
	The superior sector fail for a subscription remains often the
	If create requests fail for a subscription version after the
	retry periods have expired, the version status will be set
	to failed or partially failed based on whether the download failed
	in all or some of the Local SMSs respectively.
	in all of bowe of the local block forpectively.
	Prior to the subscription version becoming active, a status version
	attribute value change will be sent to both old
	and new service providers when the subscriptionVersionStatus is
	modified. If the version status is failed or partially-failed then
	a list of failed service providers is provided in the
	-subscriptionVersionStatus notification.
	A subscription version can be put into conflict by either the NPAC
	-SMS or by the old service provider explicitly setting the
	subscriptionOldSP-Authorization off.
	If the old service provider explicitly sets the
	-subscriptionOldSP-Authorization off, the
	-subscriptionStatusChangeCauseCode must be given.
	The old service provider can only put a subscription version into
	-conflict once and only by explicitly setting the
	-subscriptionOldSP-Authorization off.
	A service provider should acknowledge the cancel pending
	- state within a tunable time frame specified on the NPAC SMS
	with a cancel acknowledgement action.
<u> </u>	If a new service provider SOA fails to acknowledge the cancel pending
	-state, a subscriptionVersionCancellationAcknowledgeRequest is
	sent to the service provider SOA. If they do not respond to this
	acknowledgement in a tunable time frame specified on the NPAC SMS,
	the version status will be set to conflict. If the old service
	fails to acknowledge the cancel pending state, the subscription
I	admontage and canoor ponating scale, the subscription

Attribute value change notifications will be sent to both service
a pending, cancel pending, or conflict subscription
versions:
1
new service provider SOAs when a subscriptionVersionNPAC associated
with their Service Provider id is created. Object deletion
notifications will not be used. Objects will only be deleted by the
NPAC SMS as a result of housekeeping processing.
When a subscription version disconnect is broadcast,
actual customer disconnect date.
The subscriptionTimerType is only returned on SOA queries to service
providers that support the timer information and is only sent on
object creation notifications to service providers that support it.
The subscriptionBusinessType is only returned on SOA queries to
22.0 LNP Log Record for the Subscription Version Donor Service Provider
Customer Disconnect Date Notification
1npLogDonorSP CustomerDisconnectDateRecord MANAGED OBJECT CLASS
DERIVED FROM "CCITT Rec. X.721 (1992)   ISO/IEC 10165-2 :
1992":eventLogRecord;
<pre></pre>
1npLogDonorSP-CustomerDisconnectDatePkg_PACKAGE
accessControl GET;

<pre>lnpLogDonorSP-CustomerDisconnectDateDefinition_BEHAVIOUR</pre>
The lnpLogDonorSP CustomerDisconnectDateRecord class is the managed
object that is used to create log records for the
<pre>lnpLogDonorSP-CustomerDisconnectDateBehavior BEHAVIOUR</pre>
This log record can be used by any CME wanting to log the
<u> </u>
23.0 LNP Log Record for the Subscription Version Local SMS Action Results
Notification
<pre>lnpLogLocalSMS-ActionResultsRecord MANAGED OBJECT CLASS</pre>
<u>— DERIVED FROM "CCITT Rec. X.721 (1992)   ISO/IEC 10165-2 :</u>
1992":eventLogRecord;
<pre>lnpLogLocalSMS-ActionResultsPkg;</pre>
<pre>lnpLogLocalSMS-ActionResultsPkg_PACKAGE</pre>
BEHAVIOUR
failedTN-List GET,
accessControl GET;
·
1npLogLocalSMS-ActionResultsDefinition BEHAVIOUR
DEFINED AS !
The lnpLogLocalSMS-ActionResultsRecord class is the managed
<pre>lnpLogLocalSMS-ActionResultsBehavior BEHAVIOUR</pre>
This log record can be used by any CME wanting to log the
24.0 LNP Log Record for the Subscription Version New NPA-NXX Notification
24.0 INT hog Record for the Subscription version new NIM NAX Notification
Inclocherned NAMACED OD TECH CLACC
InplogNewNPA NXXRecord MANAGED OBJECT CLASS
<del>1992":eventLogRecord;</del>
lnpLogNewNPA-NXXPkg;

InpLogNewNPA-NXXPkg-PACKAGE
BEHAVIOUR
InpLogNewNPA-NXXDefinition,
- ATTRIBUTES
accessControl GET;
<pre>lnpLogNewNPA-NXXDefinition BEHAVIOUR</pre>
The lnpLogNewNPA NXX class is the managed
<pre>lnpLogNewNPA-NXXBehavior BEHAVIOUR</pre>
25.0 LNP Service Provider Filter NPA-NXX Managed Object Class
lsmsFilterNPA-NXX MANAGED OBJECT CLASS
DERIVED FROM "CCITT Rec. X.721 (1992)   ISO/IEC 10165-2 : 1992":top;
lsmsFilterNPA-NXX-Pkg;
lsmsFilterNPA NXX Pkg PACKAGE
BEHAVIOUR
lsmsFilterNPA-NXX Definition.
lsmsFilterNPA-NXX-ID_GET,
lsmsFilterNPA-NXX-Value GET;
·
lsmsFilterNPA NXX Definition BEHAVIOUR
The lsmsFilterNPA-NXX class is the managed object
used to identify the NPA-NXX values for which a service provider
network downloads, or SOA notifications.
lsmsFilterNPA-NXX-Behavior BEHAVIOUR
and the NPAC SMS to SOA interface.
and the wrat amp to bua interface.
All attributes are read only. Once created, the lsmsFilterNPA-NXX
1 <b>2 4</b>

The Local SMS or SOA can M-DELETE, M-CREATE and M-GET the
Association Function).
26.0 LNP Log Record for the Subscription Version Final Concurrence
Timer Expiration
1npLogOldSPFinalConcurrenceWindowExpirationRecord MANAGED OBJECT CLASS
DERIVED FROM "CCITT Rec. X.721 (1992)   ISO/IEC 10165-2 :
<del>1992":eventLogRecord;</del>
<pre></pre>
-CONDITIONAL PACKAGES
subscriptionBusinessTypePkg_PRESENT_IF
REGISTERED AS {LNP-OIDS.lnp-objectClass 26};
<pre>lnpLogOldSPFinalConcurrenceWindowExpirationPkg_PACKAGE</pre>
BEHAVIOUR
<pre>lnpLogOldSPFinalConcurrenceWindowExpirationBehavior;</pre>
,
<pre>lnpLogOldSPFinalConcurrenceWindowExpirationDefinition BEHAVIOUR</pre>
The lnpLogOldSPFinalConcurrenceWindowExpirationRecord class is
the managed object that is used to create log records for the
• /
<pre>lnpLogOldSPFinalConcurrenceWindowExpirationBehavior BEHAVIOUR</pre>
This log record can be used by any CME wanting to log the
$\overline{}$
27.0 LNP SOA Managed Object Class
27.0 INI SOA Managed Object Class
DODE MANACED OF IECH CLASS
Inpson Managed Object CLASS
<u>DERIVED FROM "CCITT Rec. X.721 (1992)   ISO/IEC 10165-2 : 1992":top;</u>
CHARACTERIZED BY
<pre></pre>
<del>lnpSOA-Pkg-PACKAGE</del>
<del>lnpSOA-Pkg-PACKAGE</del>

InpSOA-Behavior;	
ATTRIBUTES	
· · · · · · · · · · · · · · · · · · ·	
1npSOA-Definition BEHAVIOUR	
The lnpSOA class is the managed object that is used as the	
container object for all SOA data in the SOA to NPAC SMS	
<del>lnpSOA-Behavior BEHAVIOUR</del>	
- DEFINED AS !	
The NPAC SMS can M-GET any lnpSOA object (Data Download	
Association Function).	
The lnp-SOA-Name attribute is read only and can not	
be changed via the SOA Interface once the object has	
been created. The value of lnpSOA-Name will always be	
a unique identifier for the SOA for the SOA to NPAC	
Interface.	
Only one of these objects will exist and it will only be	
• /	
6.9 Name Binding Definitions	
0.7 Manu Dinung Dunntions	
1.0 LNP Audits Managed Object Name Bindings	

```
InpAudits-InpNPAC-SMS NAME BINDING
SUBORDINATE OBJECT CLASS InpAudits AND SUBCLASSES;
NAMED BY
SUPERIOR OBJECT CLASS InpNPAC-SMS AND SUBCLASSES;
WITH ATTRIBUTE InpAuditsName;
Note: Create through interface is not supported.
Note: Delete through interface is not supported.
REGISTERED AS (LNP OIDS.lnp nameBinding 1);
```

-- 2.0 LNP Local SMS Managed Object Name Bindings

	GDINO Delli
<pre>lnpNetwork-lnpNPAC-SMS NAME BINDING</pre>	
SUBORDINATE OBJECT CLASS lnpNetwork AND SUBCLASSES;	
NAMED BY	
SUPERIOR OBJECT CLASS lnpNPAC-SMS AND SUBCLASSES;	
WITH ATTRIBUTE lnpNetworkName;	
Note: Create through interface is not supported.	
Note: Delete through interface is not supported.	
<pre>REGISTERED AS {LNP-OIDS.lnp-nameBinding 4};</pre>	
<pre>lnpNetwork-lnpLocalSMS NAME BINDING</pre>	
SUBORDINATE OBJECT CLASS lnpNetwork AND SUBCLASSES;	
SUPERIOR OBJECT CLASS InplocalSMS AND SUBCLASSES;	
WITH ATTRIBUTE lnpNetworkName;	
Note: Create through interface is not supported.	
Note: Delete through interface is not supported.	
InpNetwork InpSOA NAME BINDING	
SUBORDINATE OBJECT CLASS lnpNetwork AND SUBCLASSES;	
NAMED BY	
SUPERIOR OBJECT CLASS InpSOA AND SUBCLASSES;	
WITH ATTRIBUTE lnpNetworkName;	
Note: Create through interface is not supported.	
Note: Delete through interface is not supported.	
<pre>REGISTERED AS {LNP-OIDS.lnp-nameBinding 17};</pre>	
4.0 LNP NPAC SMS Managed Object Name Bindings	
1npNPAC-SMS-root NAME BINDING	
SUBORDINATE OBJECT CLASS lnpNPAC-SMS AND SUBCLASSES;	
SUPERIOR OBJECT CLASS "CCITT Rec. X.660 (1992)   ISO/IE	<u>c 9834-1 •</u>
<del>1992":root;</del>	
WITH ATTRIBUTE lnpNPAC-SMS-Name;	
Note: Create through interface is not supported.	
Note: Delete through interface is not supported.	
REGISTERED AS {LNP-OIDS.lnp-nameBinding 6};	
- 5.0 LNP Service Providers Managed Object Name Bindings	
<pre>lnpServiceProvs_lnpNPAC_SMS_NAME_BINDING</pre>	
SUBORDINATE OBJECT CLASS lnpServiceProvs AND SUBCLASSES;	
NAMED BY	
SUPERIOR OBJECT CLASS lnpNPAC-SMS AND SUBCLASSES;	
WITH ATTRIBUTE lnpServiceProvsName;	
Note: Create through interface is not supported.	
Note: Delete through interface is not supported.	
<pre>REGISTERED AS {LNP-OIDS.lnp-nameBinding 7};</pre>	
6.0 LNP Subscriptions Managed Object Class Name Bindings	
InpSubscriptions-InpNPAC-SMS NAME BINDING	
SUBORDINATE OBJECT CLASS lnpSubscriptions AND SUBCLASSES;	
SUPERIOR OBJECT CLASS InpNPAC-SMS AND SUBCLASSES;	

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Note: Create through interface is not supported.
Note: Delete through interface is not supported.
REGISTERED AS (DAT GIDS. THP Hamebinding 6),
InpSubscriptions-InpLocalSMS NAME BINDING
SUBORDINATE OBJECT CLASS lnpSubscriptions AND SUBCLASSES;
Note: Create through interface is not supported.
Note: Delete through interface is not supported.
7.0 LNP Service Provider Managed Object Class Name Bindings
serviceProv-lnpServiceProvs NAME BINDING
SUBORDINATE OBJECT CLASS serviceProv AND SUBCLASSES;
SUPERIOR OBJECT CLASS InpServiceProvs AND SUBCLASSES;
WITH ATTRIBUTE serviceProvID;
DELETE ONLY-IF-NO-CONTAINED-OBJECTS;
8.0 LNP Service Provider LRN Managed Object Class Name Bindings
serviceProvLRN-serviceProvNetwork NAME BINDING
<u>SUBORDINATE OBJECT CLASS serviceProvLRN AND SUBCLASSES;</u>
NAMED BY
SUPERIOR OBJECT CLASS serviceProvNetwork AND SUBCLASSES;
CREATE WITH-AUTOMATIC-INSTANCE-NAMING;
9.0 LNP Service Provider Network Managed Object Class Name Bindings
serviceProvNetwork-lnpNetwork-NAME_BINDING
SUPERIOR OBJECT CLASS InpNetwork AND SUBCLASSES;
DELETE ONLY-IF-NO-CONTAINED-OBJECTS;
REGISTERED AS (DAT OTDS. THP Hamebinding 12),
10.0 LNP Service Provider NPA-NXX Managed Object Class Name Bindings
serviceProvNPA-NXX-serviceProvNetwork NAME BINDING
SUBORDINATE OBJECT CLASS serviceProvNPA-NXX AND SUBCLASSES;
- NAMED BY
SUPERIOR OBJECT CLASS serviceProvNetwork AND SUBCLASSES;
The state of the state the number state of the state of t

11.0 LNP Subscription Audit for the NPAC SMS Managed Object subscriptionAudit-InpAudits NAME BINDING SUBORDINATE OBJECT CLASS subscriptionAudit AND SUBCLASSES; NAMED BY SUPERIOR OBJECT CLASS InpAudits AND SUBCLASSES; WITH ATTRIBUTE subscriptionAuditId; -CREATE WITH-AUTOMATIC-INSTANCE-NAMING; DELETE ONLY-IF-NO-CONTAINED-OBJECTS; REGISTERED AS {LNP-OIDS.lnp-nameBinding 14}; 12.0 LNP Subscription Version Managed Object Class subscriptionVersion-lnpSubscriptions NAME BINDING SUBORDINATE OBJECT CLASS subscriptionVersion AND SUBCLASSES; NAMED BY SUPERIOR OBJECT CLASS lnpSubscriptions AND SUBCLASSES; WITH ATTRIBUTE subscriptionVersionId; CREATE WITH-AUTOMATIC-INSTANCE-NAMING; -DELETE ONLY-IF-NO-CONTAINED-OBJECTS; -REGISTERED AS {LNP-OIDS.lnp-nameBinding 15}; - 13.0 LNP Service Provider LSMS Filter NPA-NXX Managed Object Class Name Bindings 1smsFilterNPA-NXX-serviceProv NAME BINDING SUBORDINATE OBJECT CLASS 1smsFilterNPA NXX AND SUBCLASSES; NAMED BY SUPERIOR OBJECT CLASS serviceProv AND SUBCLASSES; WITH ATTRIBUTE lsmsFilterNPA-NXX-ID; CREATE WITH-AUTOMATIC-INSTANCE-NAMING; -DELETE ONLY-IF-NO-CONTAINED-OBJECTS; REGISTERED AS {LNP-OIDS.lnp-nameBinding 16}; -14.0 LNP SOA Managed Object Name Bindings 1npSOA-root NAME BINDING SUBORDINATE OBJECT CLASS lnpSOA AND SUBCLASSES; NAMED BY SUPERIOR OBJECT CLASS "CCITT Rec. X.660 (1992) | ISO/IEC 9834-1 : 1992":root; WITH ATTRIBUTE lnpSOA-Name; Note: Create through interface is not supported. - Note: Delete through interface is not supported. -REGISTERED AS {LNP-OIDS.lnp-nameBinding 18}; 6.10 Attribute Definitions -- 1.0 LNP Access Control Attribute

accessControl ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP ASN1.LnpAccessControl; MATCHES FOR EQUALITY; BEHAVIOUR accessControlBehavior;

```
REGISTERED AS {LNP-OIDS.lnp-attribute 1};
accessControlBehavior BEHAVIOUR
   -DEFINED AS !
       This attribute is used to store/define access control
       -information for security.
<del>!;</del>
-- 2.0 LNP Action Id Attribute
actionId ATTRIBUTE
   WITH ATTRIBUTE SYNTAX LNP-ASN1.Integer;
   MATCHES FOR EQUALITY;
   BEHAVIOUR actionIdBehavior;
   REGISTERED AS {LNP-OIDS.lnp-attribute 2};
actionIdBehavior BEHAVIOUR
   -DEFINED AS !
       This attribute is used to store the action id associated
       with an action that sends back an asynchronous notification.
<del>!;</del>
  3.0 LNP Action Results Status Attribute
actionResultsStatus ATTRIBUTE
   WITH ATTRIBUTE SYNTAX LNP-ASN1.ActionResultsStatus;
   MATCHES FOR EQUALITY;
   BEHAVIOUR actionResultsStatusBehavior;
  REGISTERED AS {LNP-OIDS.lnp-attribute 3};
actionResultsStatusBehavior BEHAVIOUR
   DEFINED AS L
       This attribute is used to store the status of an action that
       sends back an asynchronous notification with the results.
<del>!;</del>
  4.0 LNP Additional Down Time Information
additionalDownTimeInformation ATTRIBUTE
   WITH ATTRIBUTE SYNTAX LNP-ASN1.GraphicString255;
   MATCHES FOR EQUALITY;
   BEHAVIOUR additionalDownTimeInformationBehavior;
  additionalDownTimeInformationBehavior BEHAVIOUR
   -DEFINED AS !
       This attribute is used to provide additional information
    about planned NPAC SMS down time in an NPAC operations notification
       -in a log record.
<del>!;</del>
 - 5.0 LNP Audit Discrepancy Failure Reason
auditDiscrepancyFailureReason ATTRIBUTE
   WITH ATTRIBUTE SYNTAX LNP-ASN1.AuditFailureData;
   MATCHES FOR EQUALITY;
   BEHAVIOUR auditDiscrepancyFailureReasonBehavior;
   -REGISTERED AS {LNP-OIDS.lnp-attribute 5};
```

```
auditDiscrepancyFailureReasonBehavior BEHAVIOUR
   DEFINED AS !
       This attribute is used to store the audit discrepancy failure reason
       in an audit discrepancy notification in a log record.
÷
  6.0 LNP Audit Discrepancy Local SMS Service Provider Id
auditDiscrepancyLSMS-SP-Id ATTRIBUTE
   WITH ATTRIBUTE SYNTAX LNP-ASN1.ServiceProvid;
   MATCHES FOR EQUALITY;
   -BEHAVIOUR auditDiscrepancyLSMS-SP-Id-Behavior;
   -REGISTERED AS {LNP-OIDS.lnp-attribute 6};
auditDiscrepancyLSMS-SP-Id-Behavior BEHAVIOUR
   -DEFINED AS !
       This attribute is used to store the service provider id
       associated with the Local SMS in an audit discrepancy notification
       -in a log record.
<del>!;</del>
  7.0 LNP Audit Discrepancy TN
auditDiscrepancyTn ATTRIBUTE
   WITH ATTRIBUTE SYNTAX LNP-ASN1.PhoneNumber;
   MATCHES FOR EQUALITY;
   BEHAVIOUR auditDiscrepancyTnBehavior;
   REGISTERED AS {LNP-OIDS.lnp-attribute 7};
auditDiscrepancyTnBehavior BEHAVIOUR
   -DEFINED AS !
       This attribute is used to store the TN for which the discrepancy
       was found in an audit discrepancy notification in a log record.
<del>!;</del>
  8.0 LNP Audit Discrepancy Version Id
auditDiscrepancyVersionId ATTRIBUTE
   WITH ATTRIBUTE SYNTAX LNP-ASN1.SubscriptionVersionId;
   MATCHES FOR EQUALITY;
   BEHAVIOUR auditDiscrepancyVersionId-Behavior;
   REGISTERED AS {LNP-OIDS.lnp-attribute 8};
auditDiscrepancyVersionId-Behavior BEHAVIOUR
   -DEFINED AS !
       This attribute is used to store the version id for the TN for
     which the discrepancy was found in an audit discrepancy
       -notification in a log record.
       The NPAC SMS currently uses a 32 bit signed integer for the
      Naming ID Value. The maximum value is ([2**31] -
                                                          1) or 2.14B.
       -It is anticipated that all Service Providers will be able to-
      successfully handle Naming ID Values up to this maximum.
÷
   10.0 LNP Audit Results Audit Completion Time
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auditResultCompletionTime ATTRIBUTE	
WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime;	
BEHAVIOUR auditResultCompletionTimeBehavior;	
auditResultCompletionTimeBehavior BEHAVIOUR	
This attribute is used to store the completion time of the	<del>-audit</del>
in an audit results notification in a log record.	
<del>!;</del>	
11.0 LNP Audit Result Failed Service Provider List	
auditResultFailed-SP-List ATTRIBUTE	
WITH ATTRIBUTE SYNTAX LNP-ASN1.Failed-SP-List;	
BEHAVIOUR auditResultFailed-SP-ListBehavior;	
<pre>REGISTERED AS {LNP-OIDS.lnp-attribute 11};</pre>	
auditResultFailed-SP-ListBehavior BEHAVIOUR	
This attribute is used to store, in an audit results	
notification in a log record, the list of failed service	
providers for an audit that failed due to failures on Loca	£
SMSs.	
<del>!;</del>	
12.0 LNP Audit Results Number of Discrepancies	
auditResultNumberDiscrepancies ATTRIBUTE	
BEHAVIOUR auditResultNumberDiscrepanciesBehavior;	
<pre>REGISTERED AS {LNP-OIDS.lnp-attribute 12};</pre>	
auditResultNumberDiscrepanciesBehavior BEHAVIOUR	
This attribute is used to store the number of discrepancie	<del>s found -</del>
in an audit results notification in a log record.	
<del>!;</del>	
13.0 LNP Audit Result Status	
auditResultStatus ATTRIBUTE	
WITH ATTRIBUTE SYNTAX LNP-ASN1.AuditResultStatus;	
BEHAVIOUR auditResultStatusBehavior;	
auditResultStatusBehavior BEHAVIOUR	
This attribute is used to store the final status of the au	dit
in an audit results notification in a log record.	
<del>!;;</del>	
14.0 LNP Operational Notification Down Time-	

```
downTime ATTRIBUTE
   WITH ATTRIBUTE SYNTAX LNP-ASN1.TimeRange;
   MATCHES FOR EQUALITY;
   BEHAVIOUR downTimeBehavior;
   REGISTERED AS {LNP-OIDS.lnp-attribute 14};
downTimeBehavior BEHAVIOUR
  - DEFINED AS !
       This attribute is used to indicate the down time in an
      - NPAC operations notification in a log record.
÷;
  15.0 LNP Failed TN List
failedTN-List ATTRIBUTE
   WITH ATTRIBUTE SYNTAX LNP-ASN1.FailedTN-List;
  MATCHES FOR EQUALITY;
   BEHAVIOUR failedTN-ListBehavior;
   -REGISTERED AS {LNP-OIDS.lnp-attribute 15};
failedTN-ListBehavior BEHAVIOUR
   -DEFINED AS !
       This attribute is used to indicate the tn(s) and errors for
      -a failed action in the return asynchronous notification.
÷;
   16.0 LNP Audits Name
lnpAuditsName ATTRIBUTE
   WITH ATTRIBUTE SYNTAX LNP-ASN1.LnpAuditsName;
   MATCHES FOR EQUALITY;
   BEHAVIOUR lnpAuditsNameBehavior;
   REGISTERED AS {LNP-OIDS.lnp-attribute 16};
lnpAuditsNameBehavior BEHAVIOUR
   - DEFINED AS !
       This attribute provides an identifier for the lnpAudits managed
      object. The value for this attribute is "lnpAudits".
÷
  17.0 LNP Local SMS Name
lnpLocal-SMS-Name ATTRIBUTE
   WITH ATTRIBUTE SYNTAX LNP-ASN1.LnpSMS-Name;
   MATCHES FOR EQUALITY;
   BEHAVIOUR lnpLocal-SMS-NameBehavior;
 REGISTERED AS {LNP-OIDS.lnp-attribute 17};
InpLocal-SMS-NameBehavior BEHAVIOUR
  - DEFINED AS !
       This attribute provides an identifier for the lnpLocalSMS
      object. The valid value is the service provider id of the
     Local SMS followed by a dash and then the region name of the
     Local SMS Interface. For example, if the region name is
       - "Midwest Regional NPAC SMS" and the service provider id is "1234",
       the lnpLocal SMS Name would be "1234 Midwest Regional NPAC SMS".
```

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  18.0 LNP Network Name
lnpNetworkName ATTRIBUTE
   WITH ATTRIBUTE SYNTAX LNP-ASN1.LnpNetworkName;
   MATCHES FOR EQUALITY;
   -BEHAVIOUR lnpNetworkNameBehavior;
  REGISTERED AS {LNP-OIDS.lnp-attribute 18};
lnpNetworkNameBehavior BEHAVIOUR
   DEFINED AS !
       This attribute provides an identifier for the lnpNetwork
       object. Valid values are "InpNetwork" for the NPAC SMS to Local
    SMS Interface.
÷
  19.0 LNP NPAC SMS Name
lnpNPAC-SMS-Name ATTRIBUTE
   WITH ATTRIBUTE SYNTAX LNP-ASN1.LnpSMS-Name;
  - MATCHES FOR EQUALITY;
   BEHAVIOUR lnpNPAC-SMS-NameBehavior;
   REGISTERED AS {LNP-OIDS.lnp-attribute 19};
InpNPAC-SMS-NameBehavior BEHAVIOUR
   -DEFINED AS !
       This attribute provides an identifier for the lnpNPAC-SMS
       object. Valid values for NPAC SMS regional systems can be obtained
      -from NPAC personnel.
      The lnpNPAC-SMS-Name values are listed in the IIS document.
÷
  20.0 LNP Service Providers Name
lnpServiceProvsName ATTRIBUTE
   WITH ATTRIBUTE SYNTAX LNP-ASN1.LnpServiceProvsName;
   MATCHES FOR EQUALITY;
   BEHAVIOUR lnpServiceProvsNameBehavior;
 REGISTERED AS {LNP-OIDS.lnp-attribute 20};
InpServiceProvsNameBehavior BEHAVIOUR
   DEFINED AS !
       This attribute provides an identifier for the
       InpServiceProvs object. The value for this attribute
      will be "InpServiceProvs" in the NPAC SMS to Local SMS
     ÷
 -21.0 LNP Specific Info
lnpSpecificInfo ATTRIBUTE
   WITH ATTRIBUTE SYNTAX LNP-ASN1.LnpSpecificInfo;
   MATCHES FOR EQUALITY;
   BEHAVIOUR lnpSpecificInfoBehavior;
   REGISTERED AS {LNP-OIDS.lnp-attribute 21};
```

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lnpSpecificInfoBehavior BEHAVIOUR
    DEFINED AS !
       This attribute is used to pass specific error information in the
       case of a cmip processing failure error.
÷
  22.0 LNP Subscriptions Name
InpSubscriptionsName ATTRIBUTE
    WITH ATTRIBUTE SYNTAX LNP-ASN1.LnpSubscriptionsName;
   MATCHES FOR EQUALITY;
   BEHAVIOUR lnpSubscriptionsNameBehavior;
 REGISTERED AS {LNP-OIDS.lnp-attribute 22};
InpSubscriptionsNameBehavior BEHAVIOUR
   DEFINED AS !
       This attribute provides an identifier for the
      InpSubscriptions object. The value for this attribute
      will be "InpSubscriptions" in the NPAC SMS to Local SMS
     <del>!;</del>
  23.0 LNP NPAC Contact Number
npacContactNumber ATTRIBUTE
   WITH ATTRIBUTE SYNTAX LNP-ASN1.PhoneNumber;
   MATCHES FOR EQUALITY;
   -BEHAVIOUR npacContactNumberBehavior;
  REGISTERED AS {LNP-OIDS.lnp-attribute 23};
-npacContactNumberBehavior BEHAVIOUR
   -DEFINED AS !
       This attribute is used to indicate the NPAC contact number
    to be called concerning an NPAC SMS outage in an NPAC operations
       notification in a log record.
÷;
  -24.0 LNP NPAC Customer Allowable Functions
npacCustomerAllowableFunctions ATTRIBUTE
   WITH ATTRIBUTE SYNTAX LNP-ASN1.AssociationFunction;
   MATCHES FOR EQUALITY;
   BEHAVIOUR npacCustomerAllowableFunctionsBehavior;
   REGISTERED AS {LNP-OIDS.lnp-attribute 24};
npacCustomerAllowableFunctionsBehavior BEHAVIOUR
   -DEFINED AS !
       This attribute is used to specify what functions a service provider
      can perform on the SOA to NPAC SMS and NPAC SMS to Local SMS
       -interfaces.
<del>!;</del>
-- 25.0 LNP Results Completion Time
resultsCompletionTime ATTRIBUTE
   WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime;
   MATCHES FOR EQUALITY, ORDERING;
```

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BEHAVIOUR resultsCompletionTimeBehavior;
   REGISTERED AS {LNP-OIDS.lnp-attribute 25};
resultsCompletionTimeBehavior BEHAVIOUR
   -DEFINED AS !
       This attribute is used to store the completion time of the
       action in the action results notification.
++
  -26.0 LNP Service Provider Address
serviceProvAddress ATTRIBUTE
   WITH ATTRIBUTE SYNTAX LNP-ASN1.AddressInformation;
   MATCHES FOR EQUALITY;
   -BEHAVIOUR serviceProvAddressBehavior;
   REGISTERED AS {LNP-OIDS.lnp-attribute 26};
serviceProvAddressBehavior BEHAVIOUR
   -DEFINED AS !
        This attribute is used to specify the address information
       for a service provider.
<del>!;</del>
-- 27.0 LNP Service Provider Billing Address
serviceProvBillingAddress ATTRIBUTE
   WITH ATTRIBUTE SYNTAX LNP-ASN1.AddressInformation;
   MATCHES FOR EQUALITY, ORDERING;
   BEHAVIOUR serviceProvBillingAddressBehavior;
   -REGISTERED AS {LNP-OIDS.lnp-attribute 27};
serviceProvBillingAddressBehavior BEHAVIOUR
   -DEFINED AS !
       This attribute is used to specify the billing address information
       for a service provider.
<del>!;</del>
-- 28.0 LNP Service Provider Conflict Resolution Contact Address
serviceProvConflictAddress ATTRIBUTE
   WITH ATTRIBUTE SYNTAX LNP-ASN1.AddressInformation;
   MATCHES FOR EQUALITY, ORDERING;
   BEHAVIOUR serviceProvConflictAddressBehavior;
   -REGISTERED AS {LNP-OIDS.lnp-attribute 28};
serviceProvConflictAddressBehavior BEHAVIOUR
   -DEFINED AS !
       This attribute is used to specify the service provider conflict
       resolution contact address and contact information.
+;-
 - 29.0 LNP Service Provider Data Download Reason
serviceProvDownloadReason ATTRIBUTE
   WITH ATTRIBUTE SYNTAX LNP-ASN1.DownloadReason;
   MATCHES FOR EQUALITY;
   BEHAVIOUR serviceProvDownloadReasonBehavior;
   -REGISTERED AS {LNP-OIDS.lnp-attribute 29};
```

```
serviceProvDownloadReasonBehavior BEHAVIOUR
   -DEFINED AS !
       This attribute is used to specify the reason the data was
      - downloaded to the Local SMS from NPAC SMS. This attribute only
       has meaning in objects instantiated on the Local SMS.
+;-
- 30.0 LNP Service Provider ID
serviceProvID ATTRIBUTE
   WITH ATTRIBUTE SYNTAX LNP-ASN1.ServiceProvid;
   MATCHES FOR EQUALITY, ORDERING;
   BEHAVIOUR serviceProvID-Behavior;
   -REGISTERED AS {LNP-OIDS.lnp-attribute 30};
serviceProvID-Behavior BEHAVIOUR
   - DEFINED AS !
       This attribute provides an identifier for the
       -serviceProvNetwork and serviceProv objects as
       well as an identifier for the service provider who has requested
      an audit on the NPAC SMS. Valid values are the Facilities Id
       (or OCN) of the service provider.
÷
   31.0 LNP Service Provider LRN Last Modified Time Stamp
serviceProvLRN-CreationTimeStamp ATTRIBUTE
   WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime;
   MATCHES FOR EQUALITY, ORDERING;
   -BEHAVIOUR serviceProvLRN-CreationTimeStampBehavior;
   REGISTERED AS {LNP-OIDS.lnp-attribute 31};
serviceProvLRN-CreationTimeStampBehavior BEHAVIOUR
   -DEFINED AS !
      This attribute provides the timestamp of when the
       -serviceProvLRN object was created on the NPAC SMS.
÷
 - 32.0 LNP Service Provider LRN ID
serviceProvLRN-ID ATTRIBUTE
   WITH ATTRIBUTE SYNTAX LNP-ASN1.LRN-ID;
   MATCHES FOR EQUALITY, ORDERING;
   BEHAVIOUR serviceProvLRN-ID-Behavior;
   REGISTERED AS {LNP-OIDS.lnp-attribute 32};
serviceProvLRN-ID-Behavior BEHAVIOUR
   -DEFINED AS !
       This attribute provides an identifier for the serviceProvLRN
      object. The NPAC SMS determines the value for this attribute.
      The NPAC SMS currently uses a 32-bit signed integer for the-
     - Naming ID Value. The maximum value is ([2**31] - 1) or 2.14B.
     - It is anticipated that all Service Providers will be able to-
       -successfully handle Naming ID Values up to this maximum.
÷;
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33.0 LNP Service Provider LRN Value	
serviceProvLRN-Value ATTRIBUTE	
WITH ATTRIBUTE SYNTAX LNP-ASN1.LRN;	
BEHAVIOUR serviceProvLRN-Value-Behavior;	
serviceProvLRN-Value-Behavior_BEHAVIOUR	
This attribute is used to specify the value for a service	
The data is stored as packed decimal. For example, if the	-octets
contained 01 23 45 67 89 then the LRN value would be disp.	
<u>as 0123456789).</u>	
+;	
34.0 LNP Service Provider LSMS Address	
ServiceProvLSMS Address ATTRIBUTE	
WITH ATTRIBUTE SYNTAX LNP-ASN1.AddressInformation;	
BEHAVIOUR serviceProvLSMS-AddressBehavior;	
serviceProvLSMS-AddressBehavior BEHAVIOUR	
DEFINED AS !	
	MC
This attribute is used to specify the service provider LSM address and contact information.	-to
· ; ;	
35.0 LNP Service Provider Name	
serviceProvName ATTRIBUTE	
BEHAVIOUR serviceProvNameBehavior;	
serviceProvNameBehavior BEHAVIOUR	
This attribute is the English name for the service provide	<del>er.</del>
+ <del>;</del>	
36.0 LNP Service Provider Network and Communications Address	
- 50.0 INI Service Hovider Network and Communications Address	
serviceProvNetAddress ATTRIBUTE	
serviceProvNetAddressBehavior BEHAVIOUR	
This attribute is used to specify the service provider net	twork
and communications facilities address and contact information	
<del>!;</del>	

```
37.0 LNP Service Provider NPA-NXX Creation Time Stamp
serviceProvNPA-NXX-CreationTimeStamp ATTRIBUTE
   WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime;
   MATCHES FOR EQUALITY, ORDERING;
   BEHAVIOUR serviceProvNPA-NXX-CreationTimeStampBehavior;
   REGISTERED AS {LNP-OIDS.lnp-attribute 37};
serviceProvNPA-NXX-CreationTimeStampBehavior BEHAVIOUR
   DEFINED AS +
       This attribute provides the timestamp of the creation of the
       -serviceProvNPA-NXX object on the NPAC SMS.
÷
  38.0 LNP Service Provider NPA-NXX Effective Time Stamp
serviceProvNPA-NXX-EffectiveTimeStamp ATTRIBUTE
   WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime;
   MATCHES FOR EQUALITY, ORDERING;
   -BEHAVIOUR serviceProvNPA-NXX-EffectiveTimeStampBehavior;
   REGISTERED AS {LNP-OIDS.lnp-attribute 38};
serviceProvNPA-NXX-EffectiveTimeStampBehavior BEHAVIOUR
   -DEFINED AS !
       This attribute provides a timestamp as to when the
    NPA NXX is available for LNP in the service provider networks.
÷
  39.0 LNP Service Provider NPA-NXX ID
serviceProvNPA-NXX-ID ATTRIBUTE
   WITH ATTRIBUTE SYNTAX LNP-ASN1.NPA-NXX ID;
   MATCHES FOR EQUALITY, ORDERING;
   BEHAVIOUR serviceProvNPA-NXX-ID-Behavior;
   REGISTERED AS {LNP-OIDS.lnp-attribute 39};
serviceProvNPA-NXX-ID-Behavior BEHAVIOUR
   -DEFINED AS !
       This attribute provides an identifier for the
       serviceProvNPA NXX object.
       The NPAC SMS determines the value for this attribute.
       The NPAC SMS currently uses a 32-bit signed integer for the
      - Naming ID Value. The maximum value is ([2**31] - 1) or 2.14B.
       It is anticipated that all Service Providers will be able to-
       -successfully handle Naming ID Values up to this maximum.
++
  40.0 LNP Service Provider NPA-NXX Value
serviceProvNPA-NXX-Value ATTRIBUTE
   WITH ATTRIBUTE SYNTAX LNP-ASN1.NPA-NXX;
   MATCHES FOR EQUALITY, ORDERING;
   BEHAVIOUR serviceProvNPA-NXX-ValueBehavior;
   REGISTERED AS {LNP-OIDS.lnp-attribute 40};
serviceProvNPA-NXX-ValueBehavior BEHAVIOUR
```

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-DEFINED AS !
        This attribute is used to specify a portable NPA-NXX value.
÷;
  41.0 LNP Service Provider Operations Address
serviceProvOperationsAddress ATTRIBUTE
   WITH ATTRIBUTE SYNTAX LNP-ASN1.AddressInformation;
   MATCHES FOR EQUALITY, ORDERING;
   BEHAVIOUR serviceProvOperationsAddressBehavior;
  REGISTERED AS {LNP-OIDS.lnp-attribute 41};
serviceProvOperationsAddressBehavior BEHAVIOUR
   DEFINED AS !
       This attribute is used to specify the service provider
       operations contact address and contact information.
+;
   42.0 LNP Service Provider Repair Center Information
serviceProvRepairCenterInfo ATTRIBUTE
   WITH ATTRIBUTE SYNTAX LNP-ASN1.AddressInformation;
   MATCHES FOR EQUALITY, ORDERING;
   BEHAVIOUR serviceProvRepairCenterInfoBehavior;
  REGISTERED AS {LNP-OIDS.lnp-attribute 42};
serviceProvRepairCenterInfoBehavior BEHAVIOUR
   -DEFINED AS !
       This attribute is used to specify the repair center information
       for a service provider.
÷
  43.0 LNP Service Provider SOA Address
serviceProvSOA Address ATTRIBUTE
   WITH ATTRIBUTE SYNTAX LNP-ASN1.AddressInformation;
   MATCHES FOR EQUALITY, ORDERING;
   BEHAVIOUR serviceProvSOA-AddressBehavior;
  REGISTERED AS {LNP-OIDS.lnp-attribute 43};
serviceProvSOA AddressBehavior BEHAVIOUR
   DEFINED AS +
       This attribute is used to specify the service provider SOA address
       and contact information.
44.0 LNP Service Provider System Link Information
serviceProvSysLinkInfo ATTRIBUTE
   WITH ATTRIBUTE SYNTAX LNP ASN1.NetworkAddressInformation;
   MATCHES FOR EQUALITY;
   BEHAVIOUR serviceProvSysLinkInfoBehavior;
  REGISTERED AS {LNP-OIDS.lnp-attribute 44};
serviceProvSysLinkInfoBehavior BEHAVIOUR
   -DEFINED AS !
       This attribute is used to specify the system link address
        information for service provider for the SOA to NPAC SMS and
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NPAC SMS to Local SMS interfaces.	
46.0 LNP Service Provider User Administration Contact Address	
<pre>serviceProvUserAdminAddress ATTRIBUTE     WITH ATTRIBUTE SYNTAX LNP-ASN1.AddressInformation;     MATCHES FOR EQUALITY, ORDERING;     BEHAVIOUR serviceProvUserAdminAddressBehavior;     REGISTERED AS {LNP-OIDS.lnp-attribute 46};</pre>	
<pre>serviceProvUserAdminAddressBehavior BEHAVIOUR     DEFINED AS !     This attribute is used to specify the service provider         user administration contact address and contact informati     :; </pre>	<del>on.</del>
47.0 LNP Service Provider Web Address	
<pre>serviceProvWebAddress ATTRIBUTE</pre>	
<pre>serviceProvWebAddressBehavior BEHAVIOUR     DEFINED AS !     This attribute is used to specify the service provider We         interface address and contact information.         :; </pre>	<del>b</del>
48.0 LNP Subscription Activation Time Stamp	
subscriptionActivationTimeStamp_ATTRIBUTE         WITH_ATTRIBUTE_SYNTAX_LNP_ASN1.GeneralTime;         MATCHES_FOR_EQUALITY, ORDERING;         BEHAVIOUR_subscriptionActivationTimeStampBehavior;         REGISTERED_AS_{LNP-OIDS.lnp-attribute_48};	
subscriptionActivationTimeStampBehavior BEHAVIOUR — DEFINED AS : — This attribute is set by the NPAC SMS as the time and dat that the subscription version activation request was rece	
from the new service provider.	
49.0 LNP Subscription Audit Attribute List	
<pre>subscriptionAuditAttributeList ATTRIBUTE     WITH ATTRIBUTE SYNTAX LNP-ASN1.AuditAttributes;     MATCHES FOR EQUALITY;     BEHAVIOUR subscriptionAuditAttributeListBehavior;     REGISTERED AS {LNP-OIDS.lnp-attribute 49};</pre>	
<pre>subscriptionAuditAttributeListBehavior BEHAVIOUR     DEFINED AS !     This attribute is used to specify the list of attributes         a subscription version that are to be audited.</pre>	in

÷;
50.0 LNP Subscription Audit ID
subscriptionAuditId ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.AuditId;
BEHAVIOUR subscriptionAuditIdBehavior;
subscriptionAuditIdBehavior BEHAVIOUR
This attribute provides an identifier for the subscriptionAudit
managed objects. The value for this attribute is specified by
the NPAC SMS.
The NPAC SMS currently uses a 32-bit signed integer for the
Naming ID Value. The maximum value is ([2**31] - 1) or 2.14B.
It is anticipated that all Service Providers will be able to
Successfully handle Manifig is values up to this maximum.
<del>!;</del>
51.0 LNP Subscription Audit Name
SI. O INI Subscription Addre Adme
subscriptionAuditName ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.AuditName;
BEHAVIOUR subscriptionAuditNameBehavior;
subscriptionAuditNameBehavior BEHAVIOUR
This attribute is used to specify the English name associated
with an audit.
<del>!;</del>
52.0 LNP Subscription Audit Number of TNs to be Audited
subscriptionAuditNumberOfTNs ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP ASN1.AuditNumberOfTNs;
BEHAVIOUR subscriptionAuditNumberOfTNsBehavior;
subscriptionAuditNumberOfTNsBehavior BEHAVIOUR
This attribute is used to specify the number of TNs that
will be audited based on the audit request criteria.
<del>!;</del>
53.0 LNP Subscription Audit Number of TNs having Completed Audit
- 55.0 DNI Subscription Addit Number of INS naving completed Addit
subscriptionAuditNumberOfTNsComplete ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.AuditNumberOfTNsComplete;
BEHAVIOUR subscriptionAuditNumberOfTNsCompleteBehavior;

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subscriptionAuditNumberOfTNsCompleteBehavior BEHAVIOUR
   DEFINED AS !
       This attribute is used to specify the number of TNs that
      have completed in an in progress or complete audit.
<del>!;</del>
  54.0 LNP Subscription Audit Requesting Service Provider
subscriptionAuditRequestingSP ATTRIBUTE
   WITH ATTRIBUTE SYNTAX LNP-ASN1.ServiceProvid;
   MATCHES FOR EQUALITY;
   BEHAVIOUR subscriptionAuditRequestingSP-Behavior;
   -REGISTERED AS {LNP-OIDS.lnp-attribute 54};
subscriptionAuditRequestingSP-Behavior BEHAVIOUR
   -DEFINED AS !
       This attribute is used to specify the service provider who
       -requested the audit.
÷
  55.0 LNP Subscription Audit Service Provider Id Range
subscriptionAuditServiceProvIdRange ATTRIBUTE
   WITH ATTRIBUTE SYNTAX LNP-ASN1.AuditServiceProvIdRange;
   MATCHES FOR EQUALITY;
   BEHAVIOUR subscriptionAuditServiceProvIdRangeBehavior;
   REGISTERED AS {LNP-OIDS.lnp-attribute 55};
subscriptionAuditServiceProvIdRangeBehavior BEHAVIOUR
   DEFINED AS !
       This attribute is used to specify a specific service provider
       or if all service providers should be audited in the subscription
     -audit.
<del>!;</del>
  56.0 LNP Subscription Audit Status
subscriptionAuditStatus ATTRIBUTE
   WITH ATTRIBUTE SYNTAX LNP-ASN1.AuditStatus;
   MATCHES FOR EQUALITY;
   BEHAVIOUR subscriptionAuditStatusBehavior;
   REGISTERED AS {LNP-OIDS.lnp-attribute 56};
subscriptionAuditStatusBehavior BEHAVIOUR
   DEFINED AS !
       This attribute is used to specify the status of an audit. Valid
     values are in progress, suspended, canceled, and complete.
÷
  57.0 LNP Subscription Audit TN Activation Range
subscriptionAuditTN-ActivationRange ATTRIBUTE
   WITH ATTRIBUTE SYNTAX LNP-ASN1.AuditTN-ActivationRange;
  MATCHES FOR EQUALITY;
   BEHAVIOUR subscriptionAuditTN-ActivationRangeBehavior;
   REGISTERED AS {LNP-OIDS.lnp-attribute 57};
```

```
subscriptionAuditTN-ActivationRangeBehavior BEHAVIOUR
   -DEFINED AS !
       This attribute is used to specify the activation date and time
       range for which TNs should be audited in the subscription audit.
÷
  59.0 LNP Subscription Audit TN Range
subscriptionAuditTN-Range ATTRIBUTE
   WITH ATTRIBUTE SYNTAX LNP-ASN1.TN-Range;
   MATCHES FOR EQUALITY;
   -BEHAVIOUR subscriptionAuditTN-RangeBehavior;
 subscriptionAuditTN-RangeBehavior BEHAVIOUR
   -DEFINED AS !
       This attribute is used to specify the TN range to be used for
     the subscription audit. The stop TN in the range must be
     greater than the start TN in the range.
÷
 60.0 LNP Subscription Billing Id
subscriptionBillingId ATTRIBUTE
   WITH ATTRIBUTE SYNTAX LNP-ASN1.BillingId;
   MATCHES FOR EQUALITY, ORDERING;
   -BEHAVIOUR subscriptionBillingIdBehavior;
   REGISTERED AS {LNP-OIDS.lnp-attribute 60};
subscriptionBillingIdBehavior BEHAVIOUR
   -DEFINED AS !
      This attribute is used to specify the Billing Id for the
    +;--
  61.0 LNP Subscription Broadcast Time Stamp
subscriptionBroadcastTimeStamp ATTRIBUTE
   WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime;
   MATCHES FOR EQUALITY, ORDERING;
   BEHAVIOUR subscriptionBroadcastTimeStampBehavior;
   -REGISTERED AS {LNP-OIDS.lnp-attribute 61};
subscriptionBroadcastTimeStampBehavior BEHAVIOUR
   -DEFINED AS !
       This attribute is used to specify the time stamp of when
      - the subscription version was broadcast to the service provider
    Local SMSs.
÷
  62.0 LNP Subscription Cancellation Time Stamp
subscriptionCancellationTimeStamp ATTRIBUTE
   WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime;
  MATCHES FOR EQUALITY, ORDERING;
   -BEHAVIOUR subscriptionCancellationTimeStampBehavior;
   REGISTERED AS {LNP-OIDS.lnp-attribute 62};
```

```
subscriptionCancellationTimeStampBehavior BEHAVIOUR
   -DEFINED AS !
       This attribute is used to specify the cancellation time
      stamp for the subscription version. This field is only valid
    if the subscription version status is cancel.
<del>!;</del>
  63.0 LNP Subscription Version Class Destination Point Code
subscriptionCLASS-DPC ATTRIBUTE
   WITH ATTRIBUTE SYNTAX LNP ASN1.DPC;
   MATCHES FOR EQUALITY, ORDERING;
   -BEHAVIOUR subscriptionCLASS-DPCBehavior;
   REGISTERED AS {LNP-OIDS.lnp-attribute 63};
subscriptionCLASS-DPCBehavior BEHAVIOUR
  This attribute is used to specify the subscription version
       CLASS Destination Point Code.
       The data is stored in BCD (e.g. a value of FFFFFF would be displayed
    <del>as 255.255.255).</del>
<del>!;</del>
-- 64.0 LNP Subscription Version Class SSN
subscriptionCLASS_SSN_ATTRIBUTE
   WITH ATTRIBUTE SYNTAX LNP-ASN1.SSN;
   MATCHES FOR EQUALITY, ORDERING;
   -BEHAVIOUR subscriptionCLASS-SSN-Behavior;
  REGISTERED AS {LNP-OIDS.lnp-attribute 64};
subscriptionCLASS-SSN-Behavior BEHAVIOUR
  - DEFINED AS !
       This attribute is used to specify the subscription version
   CLASS SSN.
<del>!;</del>
-- 65.0 LNP Subscription CNAM Destination Point Code
subscriptionCNAM DPC ATTRIBUTE
   WITH ATTRIBUTE SYNTAX LNP-ASN1.DPC;
   MATCHES FOR EQUALITY, ORDERING;
   BEHAVIOUR subscriptionCNAM-DPC-Behavior;
  REGISTERED AS {LNP-OIDS.lnp-attribute 65};
subscriptionCNAM-DPC-Behavior BEHAVIOUR
   -DEFINED AS !
       This attribute is used to specify the CNAM Destination Point
       -value for the subscription version.
      The data is stored in BCD (e.g. a value of FFFFFF would be displayed
      <del>as 255.255.255).</del>
<del>!;</del>
 - 66.0 LNP Subscription CNAM SSN
subscriptionCNAM-SSN ATTRIBUTE
```

```
WITH ATTRIBUTE SYNTAX LNP-ASN1.SSN;
   MATCHES FOR EQUALITY, ORDERING;
   BEHAVIOUR subscriptionCNAM-SSN-Behavior;
   REGISTERED AS {LNP-OIDS.lnp-attribute 66};
subscriptionCNAM-SSN-Behavior BEHAVIOUR
  - DEFINED AS !
      This attribute is used to specify the CNAM SSN
     <del>!;</del>
 67.0 LNP Subscription Conflict Time Stamp
subscriptionConflictTimeStamp ATTRIBUTE
   WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime;
   MATCHES FOR EQUALITY, ORDERING;
   BEHAVIOUR subscriptionConflictTimeStampBehavior;
  REGISTERED AS {LNP-OIDS.lnp-attribute 67};
subscriptionConflictTimeStampBehavior BEHAVIOUR
  -DEFINED AS !
       This attribute is used to specify the time stamp of when
       the subscription version was put into conflict.
÷
  68.0 LNP Subscription Creation Time Stamp
subscriptionCreationTimeStamp ATTRIBUTE
   WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime;
   MATCHES FOR EQUALITY, ORDERING;
   -BEHAVIOUR subscriptionCreationTimeStampBehavior;
  REGISTERED AS {LNP-OIDS.lnp-attribute 68};
subscriptionCreationTimeStampBehavior BEHAVIOUR
   -DEFINED AS !
      This attribute is used to specify the creation date-
      and time for a subscription version.
÷
 - 69.0 LNP Subscription Customer Disconnect Date
subscriptionCustomerDisconnectDate ATTRIBUTE
   WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime;
   MATCHES FOR EQUALITY, ORDERING;
   -BEHAVIOUR subscriptionCustomerDisconnectDateBehavior;
   REGISTERED AS {LNP-OIDS.lnp-attribute 69};
subscriptionCustomerDisconnectDateBehavior BEHAVIOUR
  DEFINED AS !
       This attribute is used to specify the time stamp of when the
      -Subscription version was disconnected by the service provider.
<del>!;</del>
-- 70.0 LNP Subscription Disconnect Complete Date
subscriptionDisconnectCompleteTimeStamp ATTRIBUTE
   WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime;
   MATCHES FOR EQUALITY, ORDERING;
```

BEHAVIOUR subscriptionDisconnectCompleteTimeStampBehavior;
subscriptionDisconnectCompleteTimeStampBehavior BEHAVIOUR
This attribute is used to specify the time stamp of when the
71.0 LNP Subscription Download Reason
71.0 INI Subscription Download Reason
subscriptionDownloadReason ATTRIBUTE
MATCHES FOR EQUALITY;
subscriptionDownloadReasonBehavior BEHAVIOUR
This attribute is used to specify the reason the data was
downloaded to the Local SMS from NPAC SMS. This attribute
only has meaning in objects instantiated on the Local SMS and is
not audited in subscription versions.
72.0 LNP Subscription Effective Release Date
subscriptionEffectiveReleaseDate ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime:
subscriptionEffectiveReleaseDateBehavior BEHAVIOUR
This attribute is used to specify the time stamp of when the
of the version must be disconnect pending.
73.0 LNP Subscription End User Location Type
subscriptionEndUserLocationType ATTRIBUTE
subscriptionEndUserLocationTypeBehavior BEHAVIOUR
- DEFINED AS !
This attribute is used to specify the End User Location Type
for the subscription version. This field is included for
future use.
74 0 IND Outpermintion End Hear Institute Malus
74.0 LNP Subscription End User Location Value

subscriptionEndUserLocationValue ATTRIBUTE

```
WITH ATTRIBUTE SYNTAX LNP-ASN1.EndUserLocationValue;
   MATCHES FOR EQUALITY, ORDERING;
   BEHAVIOUR subscriptionEndUserLocationValueBehavior;
   REGISTERED AS {LNP-OIDS.lnp-attribute 74};
subscriptionEndUserLocationValueBehavior BEHAVIOUR
   - DEFINED AS !
       This attribute is used to specify the End User Location Value
       for the subscription version. This field is included for
       -future use.
75.0 LNP Subscription Failed Service Provider List
subscriptionFailed-SP-List ATTRIBUTE
   WITH ATTRIBUTE SYNTAX LNP-ASN1.Failed-SP-List;
   MATCHES FOR EQUALITY;
   -BEHAVIOUR subscriptionFailed-SP-ListBehavior;
   REGISTERED AS {LNP-OIDS.lnp-attribute 75};
subscriptionFailed-SP-ListBehavior BEHAVIOUR
  -DEFINED AS !
       This attribute is used to store the failed service providers after
       a subscription version broadcast results in a failed or
      partially-failed subscription version status.
÷;
   76.0 LNP Subscription ISVM Destination Point Code
subscriptionISVM-DPC ATTRIBUTE
   WITH ATTRIBUTE SYNTAX LNP-ASN1.DPC;
   MATCHES FOR EQUALITY, ORDERING;
   BEHAVIOUR subscriptionISVM-DPC-Behavior;
   REGISTERED AS {LNP-OIDS.lnp-attribute 76};
subscriptionISVM-DPC-Behavior BEHAVIOUR
   - DEFINED AS !
       This attribute is used to specify the ISVM Destination Point
      - value for the subscription version.
      The data is stored in BCD (e.g. a value of FFFFFF would be
       -displayed as 255.255.255).
<del>!;</del>
  77.0 LNP Subscription ISVM SSN
subscriptionISVM-SSN ATTRIBUTE
   WITH ATTRIBUTE SYNTAX LNP-ASN1.SSN;
   MATCHES FOR EQUALITY, ORDERING;
   -BEHAVIOUR subscriptionISVM-SSN-Behavior;
   REGISTERED AS {LNP-OIDS.lnp-attribute 77};
subscriptionISVM-SSN-Behavior BEHAVIOUR
  This attribute is used to specify the ISVM SSN
       value for the subscription version.
<del>!;</del>
```

```
78.0 LNP Subscription LIDB Destination Point Code
subscriptionLIDB-DPC ATTRIBUTE
   WITH ATTRIBUTE SYNTAX LNP-ASN1.DPC;
   MATCHES FOR EQUALITY, ORDERING;
   -BEHAVIOUR subscriptionLIDB-DPC-Behavior;
   REGISTERED AS {LNP-OIDS.lnp-attribute 78};
subscriptionLIDB-DPC-Behavior BEHAVIOUR
   -DEFINED AS !
       This attribute is used to specify the LIDB Destination Point
    value for the subscription version.
       The data is stored in BCD (e.g. a value of FFFFFF would be
    displayed as 255.255.255).
+;
  79.0 LNP Subscription LIDB SSN
subscriptionLIDB-SSN ATTRIBUTE
   WITH ATTRIBUTE SYNTAX LNP-ASN1.SSN;
  MATCHES FOR EQUALITY, ORDERING;
   BEHAVIOUR subscriptionLIDB-SSN-Behavior;
  REGISTERED AS {LNP-OIDS.lnp-attribute 79};
subscriptionLIDB-SSN-Behavior BEHAVIOUR
   -DEFINED AS !
       -This attribute is used to specify the LIDB SSN
    value for the subscription version.
+;---
  80.0 LNP Subscription Local Number Portability Type
subscriptionLNPType ATTRIBUTE
   WITH ATTRIBUTE SYNTAX LNP-ASN1.LNPType;
  MATCHES FOR EQUALITY;
   BEHAVIOUR subscriptionLNPTypeBehavior;
  REGISTERED AS {LNP-OIDS.lnp-attribute 80};
subscriptionLNPTypeBehavior BEHAVIOUR
   -DEFINED AS !
       This attribute is used to specify the Local Number Portability
       type for the subscription version.
÷;
  81.0 LNP Subscription LRN
subscriptionLRN ATTRIBUTE
   WITH ATTRIBUTE SYNTAX LNP-ASN1.LRN;
  MATCHES FOR EQUALITY, ORDERING;
  BEHAVIOUR subscriptionLRNBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 81};
subscriptionLRNBehavior BEHAVIOUR
   -DEFINED AS !
       This attribute is used to specify the subscription LRN
       for a subscription version.
```

GDMO Definitions
The data is stored as packed decimal. For example, if the octets
contained 01 23 45 67 89 then the LRN value would be displayed
<u>as 0123456789).</u>
+ <del>;</del>
82.0 LNP Subscription Modified Time Stamp
subscriptionModifiedTimeStamp_ATTRIBUTE
BEHAVIOUR subscriptionModifiedTimeStampBehavior;
subscriptionModifiedTimeStampBehavior BEHAVIOUR
This attribute is used to specify the last modification date
for a subscription version.
+ <del>,</del>
83.0 LNP Subscription New or Current Service Provider
- 05.0 INF Subscription New of current service flowider
subscriptionNewCurrentSP_ATTRIBUTE
BEHAVIOUR subscriptionNewCurrentSPBehavior;
subscriptionNewCurrentSPBehavior BEHAVIOUR
This attribute is used to specify the subscription New or Current
This attribute is also used to store the new service provider
for an old SP concurrence request notification in a log record.
+ <del>;</del>
84.0 LNP Subscription New Service Provider Cancellation Time Stamp
64.0 ENT Subscription New Service Flowfact cancellation fine Stamp
subscriptionNewSP-CancellationTimeStamp ATTRIBUTE
BEHAVIOUR subscriptionNewSP-CancellationTimeStampBehavior;
<pre>— REGISTERED AS {LNP-OIDS.lnp-attribute 84};</pre>
subscriptionNewSP-CancellationTimeStampBehavior BEHAVIOUR
concurrence time stamp for the subscription in a
cancel-pending state. This value is specified by the
$\frac{1}{2}$
85.0 LNP Subscription New Service Provider Conflict Resolution Time Stamp
aubaarintianNouCD_ConfliatDocolutionTimeCtorn ATTENT
subscriptionNewSP-ConflictResolutionTimeStamp_ATTRIBUTE
BEHAVIOUR subscriptionNewSP-ConflictResolutionTimeStampBehavior;

REGISTERED AS {LNP-OIDS.lnp-attribute 85};
subscriptionNewSP-ConflictResolutionTimeStampBehavior BEHAVIOUR
version was removed from conflict by the new service provider.
+;
86.0 LNP Subscription New Service Provider Creation Time Stamp
subscriptionNewSP-CreationTimeStamp_ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR subscriptionNewSP-CreationTimeStampBehavior;
<pre>REGISTERED AS {LNP-OIDS.lnp-attribute 86};</pre>
subscriptionNewSP-CreationTimeStampBehavior BEHAVIOUR
This attribute is used to specify the time stamp of when
the new service provider creates the cutover for the
by the NPAC SMS when the new service provider sends its create
in a log record.
+;
87.0 LNP Subscription New Service Provider Activation Due Date
subscriptionNewSP-DueDate ATTRIBUTE
BEHAVIOUR subscriptionNewSP-DueDateBehavior;
subscriptionNewSP-DueDateBehavior BEHAVIOUR
date and time for the subscription when they are being ported to
a new service provider. This value is specified by the new service
provider.
If not specified, the time defaults to 00:00.00.
The seconds field should always be populated with zeros for
wireless ports. The NPAC SMS will not edit for compliance.
88.0 LNP Subscription Old Service Provider
subscriptionOldSP_ATTRIBUTE
BEHAVIOUR subscriptionOldSPBehavior;
- REGISTERED AS {LNP OIDS.lnp attribute 88};

subscriptionOldSPBehavior BEHAVIOUR
This attribute is used to specify the subscription Old
This attribute is also used to store the old service provider id
for a new service provider create request notification in a
log-record.
$\frac{1}{2}$
89.0 LNP Subscription Old Service Provider Authorization
89.0 LNP Subscription of a service Provider Authorization
subscriptionOldSP-Authorization ATTRIBUTE
BEHAVIOUR subscriptionOldSP-AuthorizationBehavior;
<pre>— REGISTERED AS {LNP-OIDS.lnp-attribute 89};</pre>
subscriptionOldSP_AuthorizationBehavior_BEHAVIOUR
This attribute is used to indicate the old service
provider authorization or denial of cutover for the subscription
to the new service provider.
to the new service provider.
This attribute is also used to store the old service provider
authorization for a new service provider create request
<u>+</u> ,
subscriptionOldSP-AuthorizationTimeStamp ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP ASN1.GeneralTime;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR subscriptionOldSP-AuthorizationTimeStampBehavior;
subscriptionOldSP-AuthorizationTimeStampBehavior BEHAVIOUR
the old service provider authorizes or denies the cutover for the
by the NPAC SMS when the old service provider sends its create
request or modifies the authorization information for
activation.
This attribute is also used to store the old service provider
authorization timestamp for an old service provider concurrence
91.0 LNP Subscription Old Service Provider Cancellation Time Stamp
subscriptionOldSP-CancellationTimeStamp ATTRIBUTE
BEHAVIOUR subscriptionOldSP-CancellationTimeStampBehavior;
<pre>— REGISTERED AS {LNP-OIDS.lnp-attribute 91};</pre>

subscriptionOldSP-CancellationTimeStampBehavior BEHAVIOUR
DEFINED AS !
This attribute is used to specify the subscription cancellation
<del>!;</del>
92.0 LNP Subscription Old Service Provider Conflict Resolution Time Stamp
subscriptionOldSP-ConflictResolutionTimeStamp_ATTRIBUTE
BEHAVIOUR subscriptionOldSP-ConflictResolutionTimeStampBehavior;
subscriptionOldSP-ConflictResolutionTimeStampBehavior BEHAVIOUR
This attribute is used to specify when the subscription
!;
93.0 LNP Subscription Old Service Provider Cutover Due Date
subscriptionOldSP-DueDate ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime;
BEHAVIOUR subscriptionOldSP DueDateBehavior;
subscriptionOldSP-DueDateBehavior BEHAVIOUR 
This attribute is used to specify the subscription due
date and time for the subscription when they are being ported to a new
The time if not specified with the date is defaulted to 00:00.00.
The seconds field should always be populated with zeros for
<pre>wireless ports. The NPAC SMS will not edit for compliance. ////////////////////////////////////</pre>
94.0 LNP Subscription Old Time Stamp
subscriptionOldTimeStamp ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR subscriptionOldTimeStampBehavior;
<pre>REGISTERED AS {LNP-OIDS.lnp attribute 94};</pre>
subscriptionOldTimeStampBehavior BEHAVIOUR
stamp for the subscription version. This field is only valid
<del>!;;</del>

95.0 LNP Subscription Porting To Original SP Switch
subscriptionPortingToOriginal-SPSwitch ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.SubscriptionPortingToOriginal-SPSwitch;
BEHAVIOUR subscriptionPortingToOriginal-SPSwitchBehavior;
subscriptionPortingToOriginal-SPSwitchBehavior BEHAVIOUR
DEFINED AS !
This attribute is used to specify that the subscription version
created is to be to ported back to the original service
provider switch.
1; <u>;</u>
96.0 LNP Subscription Pre-Cancellation Status
subscriptionPreCancellationStatus ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.SubscriptionPreCancellationStatus;
<u>MATCHES FOR EQUALITY;</u>
BEHAVIOUR subscriptionPreCancellationStatusBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 96};
subscriptionPreCancellationStatusBehavior BEHAVIOUR
This attribute is used to specify the previous status of a
• /
97.0 LNP Subscription Version TN
SUBSCRIPTIONTN ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.PhoneNumber;
MATCHES FOR EQUALITY, ORDERING;
subscriptionTN-Behavior BEHAVIOURDEFINED AS !
This attribute is used to specify the subscription version TN .
This attribute is also used to store the subscription version TN
for a new SP create request and a old service provider concurrence
request notification in a log record.
÷;
98.0 LNP Subscription Version Attribute Value Change Information
subscriptionVersionAttributeValueChangeInfo_ATTRIBUTE
WITH ATTRIBUTE SYNTAX Attribute ASN1Module.AttributeValueChangeInfo;
MATCHES FOR EQUALITY;
BEHAVIOUR subscriptionVersionAttributeValueChangeInfoBehavior;           REGISTERED_AS_{LNP-OIDS.lnp-attribute_98};
subscriptionVersionAttributeValueChangeInfoBehavior BEHAVIOUR
— DEFINED AS !
This attribute is used to store the attribute value change

information for a subscription version attribute value change
+++
99.0 LNP Subscription Version Id
subscriptionVersionId ATTRIBUTE
REGISTERED AS (ENT OTDS. THP accurate 55);
subscriptionVersionIdBehavior BEHAVIOUR
This attribute provides an identifier for the
InpSubscriptions and subscriptionVersion objects. The
The NPAC SMS currently uses a 32-bit signed integer for the
Naming ID Value. The maximum value is ([2**31] - 1) or 2.14B.
It is anticipated that all Service Providers will be able to-
This attribute is also used to store the subscription version Id
100.0 LNP Subscription Version Status
100.0 INT Subscription Version Status
subscriptionVersionStatus ATTRIBUTE
BEHAVIOUR subscriptionVersionStatusBehavior;
subscriptionVersionStatusBehavior BEHAVIOUR
This attribute is used to specify the status of the
canceled, disconnect-pending, and cancel-pending.
101.0 LNP LSMS Filter NPA-NXX ID
TOTO DAT DEPOSITICET ATA AAA TO
lsmsFilterNPA-NXX-ID ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.NPA-NXX-ID;
BEHAVIOUR lsmsFilterNPA NXX-ID-Behavior;
lsmsFilterNPA-NXX-ID-Behavior BEHAVIOUR
This attribute provides an identifier for the
for this attribute.
for this attribute.
The NPAC SMS currently uses a 32 bit signed integer for the

```
Naming ID Value. The maximum value is ([2**31] - 1) or 2.14B.
       It is anticipated that all Service Providers will be able to
        successfully handle Naming ID Values up to this maximum.
÷;
  102.0 LNP LSMS Filter NPA-NXX Value
lsmsFilterNPA-NXX-Value ATTRIBUTE
   WITH ATTRIBUTE SYNTAX LNP-ASN1.NPA-NXX;
   MATCHES FOR EQUALITY;
   BEHAVIOUR lsmsFilterNPA-NXX-ValueBehavior;
  REGISTERED AS {LNP-OIDS.lnp-attribute 102};
lsmsFilterNPA-NXX-ValueBehavior BEHAVIOUR
   -DEFINED AS !
       This attribute is used to specify a portable NPA-NXX value.
÷
  103.0 LNP Subscription Status Change Cause Code
subscriptionStatusChangeCauseCode ATTRIBUTE
   WITH ATTRIBUTE SYNTAX LNP-ASN1.SubscriptionStatusChangeCauseCode;
   MATCHES FOR EQUALITY;
   BEHAVIOUR subscriptionStatusChangeCauseCodeBehavior;
  REGISTERED AS {LNP-OIDS.lnp-attribute 103};
subscriptionStatusChangeCauseCodeBehavior BEHAVIOUR
   -DEFINED AS !
       This attribute is used to indicate the reason for putting a
       -subscription version into conflict.
÷
  104.0 LNP Service Provider Security Address
serviceProvSecurityAddress ATTRIBUTE
   WITH ATTRIBUTE SYNTAX LNP-ASN1.AddressInformation;
   MATCHES FOR EQUALITY, ORDERING;
   BEHAVIOUR serviceProvSecurityAddressBehavior;
  REGISTERED AS {LNP-OIDS.lnp-attribute 104};
serviceProvSecurityAddressBehavior BEHAVIOUR
   DEFINED AS !
       This attribute is used to specify the security contact information
       for a service provider.
÷
  105.0 LNP NPAC Association User Info
npacAssociationUserInfo ATTRIBUTE
   WITH ATTRIBUTE SYNTAX LNP-ASN1.NpacAssociationUserInfo;
   MATCHES FOR EQUALITY;
   BEHAVIOUR npacAssociationUserInfoBehavior;
  REGISTERED AS {LNP-OIDS.lnp-attribute 105};
npacAssociationUserInfoBehavior BEHAVIOUR
   -DEFINED AS !
       This attribute is used to report the status of a login attempt or
       the current state of the NPAC SMS.
```

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$\frac{1}{1+r}$	
106.0 LNP SOA Name	
1npSOA Name ATTRIBUTE	
WITH ATTRIBUTE SYNTAX LNP-ASN1.LnpSMS-Name;	
BEHAVIOUR lnpSOA-NameBehavior;	
InpSOA NameBehavior BEHAVIOUR	
- DEFINED AS !	
This attribute provides an identifier for the lnpSOA	
object. The valid value is the service provider id of the	
SOA followed by a dash and then the region name of the	
"Midwest Regional NPAC SMS" and the service provider id is	<del>"1234",</del>
the lnpSOA Name would be "1234 Midwest Regional NPAC SMS".	
<del>!;;</del>	
107.0 Subscription Version Timer Type	
107.0 Subscription version rimer type	
subscriptionTimerType ATTRIBUTE	
WITH ATTRIBUTE SYNTAX LNP-ASN1.Integer;	
BEHAVIOUR subscriptionTimerTypeBehavior;	
subscriptionTimerTypeBehavior BEHAVIOUR	
This attribute is used to specify the subscription version	
timer type being used to set tunable timers.	
<u>Current valid values are:</u>	
	<b>`</b>
0 for long timers (used primarily for wireline to wireline	
— 1 for short timers (anticipated use for wireless to wirele — — — — — — — — — — — — — — — — — — —	<del>53)</del>
Long timers (0) is set if any of the two service providers	
+;	
• /	
108.0 Subscription Version Business Type	
subscriptionBusinessType ATTRIBUTE	
WITH ATTRIBUTE SYNTAX LNP-ASN1.Integer;	
BEHAVIOUR subscriptionTimerTypeBehavior;	
subscriptionBusinessTypeBehavior BEHAVIOUR	
This attribute is used to specify the subscription version	
business hours/days type being used to set tunable timers.	_
Current valid values are:	
(used primarity for writerine to writerine)	

	00.0
<u> </u>	
(anticipated use for wireless to wireless)	
Short business hours (0) is set if any of the two	
+ <del>; ,</del>	
109.0 Subscription Version WSMSC Destination Point Code	
subscriptionWSMSC-DPC ATTRIBUTE	
WITH ATTRIBUTE SYNTAX LNP ASN1.DPC;	
ABGISTIALD AS (DAT GIDS, INP accribate 103),	
subscriptionWSMSC-DPCBehavior BEHAVIOUR	
This attribute is used to specify the subscription versio	n
WSMSC Destination Point Code.	
The data is stored in BCD (e.g. a value of FFFFFF would b	e
<u>displayed as 255.255.255</u> .	
110.0 LNP Subscription Version WSMSC SSN	
110.0 Live Subscription version worse 554	
and a second	
SUBSCRIPTIONWSMSC SSN ATTRIBUTE	
WITH ATTRIBUTE SYNTAX LNP-ASN1.SSN;	
BEHAVIOUR subscriptionWSMSC-SSN-Behavior;	
subscriptionWSMSC SSN Behavior BEHAVIOUR	
This attribute is used to specify the subscription versio	n
WSMSC SSN.	
+;	
• /	
6.11 Package Definitions	

#### 6.11 Package Definitions

1.0 LNP Download Package lnpDownloadPkg PACKAGE BEHAVIOUR lnpDownloadPkgBehavior; ACTIONS REGISTERED AS {LNP-OIDS.lnp-package 1}; lnpDownloadPkgBehavior BEHAVIOUR DEFINED AS ! This package provides for conditionally including the +;

2.0 LNP Recovery Complete Package
InpRecoveryCompletePkg PACKAGE
BEHAVIOUR InpRecoveryCompletePkgBehavior;
- ACTIONS
InpRecoveryCompletePkgBehavior BEHAVIOUR
This package provides for conditionally including the
3.0 LNP Service Provider Billing Address Package
serviceProvBillingAddressPkg PACKAGE
BEHAVIOUR serviceProvBillingAddressPkgBehavior;
ATTRIBUTES
<pre>serviceProvBillingAddress GET-REPLACE;</pre>
<pre></pre>
<u> </u>
serviceProvBillingAddressPkgBehavior BEHAVIOUR
————————————————————————————————————
! <del>;</del>
4.0 LNP Service Provider Conflict Address Package
serviceProvConflictAddressPkg_PACKAGE
BEHAVIOUR_serviceProvConflictAddressPkgBehavior;
ATTRIBUTES
serviceProvConflictAddress_GET_REPLACE;
serviceProvConflictAddressPkgBehavior BEHAVIOUR
This package provides for conditionally including the
serviceProvConflictAddress attribute.
5.0 LNP Service Provider LSMS Address Package
<del>serviceProvLSMS-AddressPkg_PACKAGE</del>
BEHAVIOUR serviceProvLSMS-AddressPkgBehavior;
ATTRIBUTES
<pre>REGISTERED AS {LNP-OIDS.lnp-package 5};</pre>
serviceProvLSMS-AddressPkgBehavior BEHAVIOUR
This package provides for conditionally including the
·!;
6.0 LNP Service Provider Net Address Package

serviceProvNetAddressPkg_PACKAGE
BEHAVIOUR serviceProvNetAddressPkgBehavior;
ATTRIBUTES
DEFINED AS !
This package provides for conditionally including the
! <i>;</i>
7.0 LNP Service Provider Operations Address Package
serviceProvOperationsAddressPkg PACKAGE
BEHAVIOUR serviceProvOperationsAddressPkgBehavior;
ATTRIBUTES
<pre>— REGISTERED AS {LNP-OIDS.lnp-package 7};</pre>
serviceProvOperationsAddressPkgBehavior BEHAVIOUR
This package provides for conditionally including the
!;
8.0 LNP Service Provider Repair Center Info Package
serviceProvRepairCenterInfoPkg_PACKAGE
BEHAVIOUR serviceProvRepairCenterInfoPkgBehavior;
ATTRIBUTES
serviceProvRepairCenterInfoPkgBehavior BEHAVIOUR
DEFINED AS !
This package provides for conditionally including the serviceProvRepairCenterInfo attribute.
9.0 LNP Service Provider SOA Address Package
serviceProvSOA-AddressPkg PACKAGE
BEHAVIOUR serviceProvSOA-AddressPkgBehavior;
ATTRIBUTES
serviceProvSOA-AddressPkgBehavior BEHAVIOUR
This package provides for conditionally including the
<u> </u>
10.0 LNP Service Provider User Administration Address Package

serviceProvUserAdminAddressPkg PACKAGE

BEHAVIOUR serviceProvUserAdminAddressPkgBehavior;
<pre>serviceProvUserAdminAddress GET_REPLACE;</pre>
serviceProvUserAdminAddressPkgBehavior BEHAVIOUR
This package provides for conditionally including the
- 11.0 LNP Service Provider Web Address Package
serviceProvWebAddressPkg PACKAGE
BEHAVIOUR serviceProvWebAddressPkgBehavior;
serviceProvWebAddressPkgBehavior BEHAVIOUR
This package provides for conditionally including the
12.0 LNP Subscription Version Activate Package
- 12.0 LMT Subscription version Activate Fackage
subscriptionVersionActivatePkg PACKAGE
ACTIONS
subscriptionVersionActivatePkgBehavior BEHAVIOUR
This package provides for conditionally including the
13.0 LNP Subscription Version Attribute Value Change Failed Service
Providers List
subscriptionVersionAttributeValueChangeFailed-SP-ListPkg-PACKAGE
BEHAVIOUR
<pre>subscriptionVersionAttributeValueChangeFailed-SP-ListPkgBehavior;</pre>
- REGISTERED AS {LNP OIDS.lnp package 13};
subscriptionVersionAttributeValueChangeFailed-SP-ListPkgBehavior BEHAVIOUR
This package provides for conditionally including the
attribute.
- 14 0 IND Subscription Morgins Concel Deckare
14.0 LNP Subscription Version Cancel Package

subscriptionVersionCancelPkg PACKAGE
BEHAVIOUR subscriptionVersionCancelPkgBehavior;
DEFINED_AS_!
This package provides for conditionally including the
·!;
15.0 LNP Subscription Version Disconnect Package
subscriptionVersionDisconnectPkg PACKAGE
BEHAVIOUR subscriptionVersionDisconnectPkgBehavior;
- ACTIONS
subscriptionVersionDisconnectPkgBehavior BEHAVIOUR
DEFINED AS !
This package provides for conditionally including the
$-\frac{1}{\cdot r}$
16.0 LNP Subscription Version Local SMS Create Package
subscriptionVersionLocalSMS-CreatePkg-PACKAGE
<u>BEHAVIOUR subscriptionVersionLocalSMS-CreatePkgBehavior;</u>
- ACTIONS
subscriptionVersionLocalSMS-Create;
<pre>— REGISTERED AS {LNP-OIDS.lnp-package 16};</pre>
subscriptionVersionLocalSMS-CreatePkgBehavior BEHAVIOUR
DEFINED AS 1
This package provides for including the
<pre>subscriptionVersionLocalSMS-Create action.</pre>
17 O IND Outpermintion Mension Medity Decharge
17.0 LNP Subscription Version Modify Package
aube animption Manaien Madifur Da CKACE
subscriptionVersionModifyPkg_PACKAGE
BEHAVIOUR subscriptionVersionModifyPkgBehavior;
<pre>— REGISTERED AS {LNP-OIDS.lnp-package 17};</pre>
——
subscriptionVersionModifyPkgBehavior BEHAVIOUR
This package provides for conditionally including the
18.0 LNP New Service Provider Subscription Version Cancellation
Acknowledge Package
nomontedge fachage

subscriptionVersionNewSP-CancellationPkg PACKAGE

GDMO Def	Ini
BEHAVIOUR subscriptionVersionNewSP-CancellationPkgBehavior;	-
<pre>subscriptionVersionNewSP-CancellationAcknowledge;</pre>	
<pre>REGISTERED AS {LNP-OIDS.lnp-package 18};</pre>	
subscriptionVersionNewSP_CancellationPkgBehavior_BEHAVIOUR	
DEFINED AS !	
This package provides for conditionally including the	
20.0 LNP Subscription Version Remove From Conflict	
Pending Package	
subscriptionVersionRemoveFromConflictPkg_PACKAGE	
BEHAVIOUR subscriptionVersionRemoveFromConflictPkgBehavior;	
<pre>REGISTERED AS {LNP-OIDS.lnp-package 20};</pre>	
subscriptionVersionRemoveFromConflictPkgBehavior BEHAVIOUR	
DEFINED AS !	
This package provides for conditionally including the	
21.0 LNP New Service Provider Subscription Version Create Package	
subscriptionVersionNewSP_CreatePkg_PACKAGE	
BEHAVIOUR subscriptionVersionNewSP-CreatePkgBehavior;	
ACTIONS	
<pre>REGISTERED AS {LNP-OIDS.lnp-package 21};</pre>	
subscriptionVersionNewSP-CreatePkgBehavior BEHAVIOUR	
This package provides for conditionally including the	
- /	
22.0 LNP Old Service Provider Subscription Version Cancellation	
Acknowledge Package	
subscriptionVersionOldSP-CancellationPkg-PACKAGE	
BEHAVIOUR subscriptionVersionOldSP-CancellationPkgBehavior;	
<pre>subscriptionVersionOldSP-CancellationAcknowledge;</pre>	
<pre>REGISTERED AS {LNP-OIDS.lnp-package 22};</pre>	
—	
subscriptionVersionOldSP-CancellationPkgBehavior BEHAVIOUR	
This package provides for conditionally including the	
subscriptionVersionOldSP-CancellationAcknowledge action.	
24.0 LNP Old Service Provider Subscription Version Create Package	
auto anisti anti anti anoi den dua atanta Dia DAGVACE	

subscriptionVersionOldSP-CreatePkg PACKAGE

BEHAVIOUR subscriptionVersionOldSP-CreatePkgBehavior;
subscriptionVersionOldSP-CreatePkgBehavior BEHAVIOUR
DEFINED AS +
This package provides for conditionally including the
!;
25.0 LNP Subscription Status Change Cause Code Package
- 23.0 INT Subscription Status change cause code rackage
subscriptionStatusChangeCauseCodePkg_PACKAGE
BEHAVIOUR subscriptionStatusChangeCauseCodePkgBehavior;
ATTRIBUTES
subscriptionStatusChangeCauseCode GET;
subscriptionStatusChangeCauseCodePkgBehavior BEHAVIOUR
This package provides for conditionally including the
! <i>;</i>
26.0 LNP Service Provider Security Address Package
- 20.0 INF Service Flovider Security Address Fackage
serviceProvSecurityAddressPkg_PACKAGE
BEHAVIOUR serviceProvSecurityAddressPkgBehavior;
-
serviceProvSecurityAddressPkgBehavior BEHAVIOUR
bervieerievbeedditeynddiebbingbendvier blinnvieen
DEFINED AS ! This package provides for conditionally including the serviceProvSecurityAddress attribute.
DEFINED AS ! This package provides for conditionally including the serviceProvSecurityAddress attribute.
<pre>     DEFINED AS !     This package provides for conditionally including the     serviceProvSecurityAddress attribute.     ; </pre>
DEFINED AS ! This package provides for conditionally including the serviceProvSecurityAddress attribute.
<pre>     DEFINED AS !     This package provides for conditionally including the     serviceProvSecurityAddress attribute.     ; </pre>
<pre>DEFINED AS !     This package provides for conditionally including the     serviceProvSecurityAddress attribute.     !;     27.0 LNP Notification Recovery Package</pre>
<pre>DEFINED AS !     This package provides for conditionally including the     serviceProvSecurityAddress attribute.    </pre>
<pre>DEFINED AS !     This package provides for conditionally including the     serviceProvSecurityAddress attribute.    </pre>
<pre>DEFINED AS !     This package provides for conditionally including the     serviceProvSecurityAddress attribute.    </pre>
<pre>DEFINED AS !     This package provides for conditionally including the     serviceProvSecurityAddress attribute.    </pre>
<pre>DEFINED AS !     This package provides for conditionally including the     serviceProvSecurityAddress attribute.    </pre>
<pre>DEFINED AS !     This package provides for conditionally including the     serviceProvSecurityAddress attribute.    </pre>
<pre>DEFINED AS !     This package provides for conditionally including the     serviceProvSecurityAddress attribute.    </pre>
<pre>DEFINED AS !     This package provides for conditionally including the     serviceProvSecurityAddress attribute.     !;     27.0 LNP Notification Recovery Package     lnpNotificationRecoveryPkg PACKAGE         BEHAVIOUR lnpNotificationRecoveryPkgBehavior;         ACTIONS         lnpNotificationRecovery;         REGISTERED AS (LNP-OIDS.lnp-package 27);        </pre>
<pre>DEFINED AS !     This package provides for conditionally including the     serviceProvSecurityAddress attribute.     !;     27.0 LNP Notification Recovery Package     lnpNotificationRecoveryPkg PACKAGE         BEHAVIOUR lnpNotificationRecoveryPkgBehavior;         ACTIONS         lnpNotificationRecovery;         REGISTERED AS (LNP-OIDS.lnp-package 27);         lnpNotificationRecoveryPkgBehavior BEHAVIOUR</pre>
<pre>DEFINED AS !     This package provides for conditionally including the     serviceProvSecurityAddress attribute.     !;     27.0 LNP Notification Recovery Package     lnpNotificationRecoveryPkg PACKAGE         BEHAVIOUR lnpNotificationRecoveryPkgBehavior;         ACTIONS         lnpNotificationRecovery;         REGISTERED AS (LNP-OIDS.lnp-package 27);        </pre>
<pre>DEFINED AS !     This package provides for conditionally including the     serviceProvSecurityAddress attribute.     !;     27.0 LNP Notification Recovery Package     lnpNotificationRecoveryPkg PACKAGE         BEHAVIOUR lnpNotificationRecoveryPkgBehavior;         ACTIONS         lnpNotificationRecovery;         REGISTERED AS (LNP-OIDS.lnp-package 27);         HnpNotificationRecoveryPkgBehavior BEHAVIOUR         DEFINED AS !</pre>
<pre>DEFINED AS !     This package provides for conditionally including the     serviceProvSecurityAddress attribute.     !;     27.0 LNP Notification Recovery Package     lnpNotificationRecoveryPkg PACKAGE         BEHAVIOUR lnpNotificationRecoveryPkgBehavior;         ACTIONS         lnpNotificationRecovery;         REGISTERED AS (LNP-OIDS.lnp-package 27);         lnpNotificationRecoveryPkgBehavior BEHAVIOUR         DEFINED AS !         This package provides for conditionally including the</pre>
<pre>DEFINED AS !     This package provides for conditionally including the     serviceProvSecurityAddress attribute.     !;     27.0 LNP Notification Recovery Package     lnpNotificationRecoveryPkg PACKAGE         BEHAVIOUR lnpNotificationRecoveryPkgBehavior;         ACTIONS         lnpNotificationRecovery;         REGISTERED AS (LNP-OIDS.lnp-package 27);         lnpNotificationRecoveryPkgBehavior BEHAVIOUR         DEFINED AS !         This package provides for conditionally including the</pre>
<pre>DEFINED AS !     This package provides for conditionally including the     serviceProvSecurityAddress attribute.     !;     27.0 LNP Notification Recovery Package     lnpNotificationRecoveryPkg PACKAGE         BEHAVIOUR lnpNotificationRecoveryPkgBehavior;         ACTIONS         lnpNotificationRecovery;         REGISTERED AS (LNP-OIDS.lnp-package 27);         lnpNotificationRecoveryPkgBehavior BEHAVIOUR         DEFINED AS !         This package provides for conditionally including the         lnpNotificationRecovery action.</pre>
<pre>DEFINED AS !     This package provides for conditionally including the     serviceProvSecurityAddress attribute.     !;     27.0 LNP Notification Recovery Package     lnpNotificationRecoveryPkg PACKAGE         BEHAVIOUR lnpNotificationRecoveryPkgBehavior;         ACTIONS         lnpNotificationRecovery;         REGISTERED AS (LNP-OIDS.lnp-package 27);         lnpNotificationRecoveryPkgBehavior BEHAVIOUR         DEFINED AS !         This package provides for conditionally including the</pre>
<pre>DEFINED AS !     This package provides for conditionally including the     serviceProvSecurityAddress attribute.     !;     27.0 LNP Notification Recovery Package     lnpNotificationRecoveryPkg PACKAGE         BEHAVIOUR lnpNotificationRecoveryPkgBehavior;         ACTIONS         lnpNotificationRecovery;         REGISTERED AS (LNP-OIDS.lnp-package 27);         lnpNotificationRecoveryPkgBehavior BEHAVIOUR         DEFINED AS !         This package provides for conditionally including the         lnpNotificationRecovery action.</pre>
<pre>DEFINED AS !     This package provides for conditionally including the     serviceProvSecurityAddress attribute.     !;     27.0 LNP Notification Recovery Package InpNotificationRecoveryPkg PACKAGE     BEHAVIOUR InpNotificationRecoveryPkgBehavior;     ACTIONS         InpNotificationRecovery;     REGISTERED AS (LNP-OIDS.lnp-package 27);     InpNotificationRecoveryPkgBehavior BEHAVIOUR     DEFINED AS !     This package provides for conditionally including the         InpNotificationRecovery action.         /; </pre>
<pre>DEFINED AS !     This package provides for conditionally including the     serviceProvSecurityAddress attribute.     !;     27.0 LNP Notification Recovery Package     lnpNotificationRecoveryPkg PACKAGE         BEHAVIOUR lnpNotificationRecoveryPkgBehavior;         ACTIONS         lnpNotificationRecovery;         REGISTERED AS (LNP-OIDS.lnp-package 27);         lnpNotificationRecoveryPkgBehavior BEHAVIOUR         DEFINED AS !         This package provides for conditionally including the         lnpNotificationRecovery action.</pre>
<pre>DEFINED AS !     This package provides for conditionally including the     serviceProvSecurityAddress attribute.     !;     27.0 LNP Notification Recovery Package     InpNotificationRecoveryPkg PACKAGE     BEHAVIOUR InpNotificationRecoveryPkgBehavior;     ACTIONS     InpNotificationRecovery;     REGISTERED AS (LNP OIDS.lnp package 27);     InpNotificationRecoveryPkgBehavior BEHAVIOUR     DEFINED AS !     This package provides for conditionally including the     InpNotificationRecovery action.     ';     28.0 LNP Subscription Audit TN Activation Range Package</pre>
<pre>DEFINED AS !     This package provides for conditionally including the     serviceProvSecurityAddress attribute.     !;     27.0 LNP Notification Recovery Package     InpNotificationRecoveryPkg PACKAGE     BEHAVIOUR InpNotificationRecoveryPkgBehavior;     ACTIONS     InpNotificationRecovery;     REGISTERED AS (LNP OIDS.lnp package 27);     InpNotificationRecoveryPkgBehavior BEHAVIOUR     DEFINED AS !     This package provides for conditionally including the     InpNotificationRecovery action.     ';     28.0 LNP Subscription Audit TN Activation Range Package</pre>
<pre>DEFINED AS !     This package provides for conditionally including the     serviceProvSecurityAddress attribute.     !;     27.0 LNP Notification Recovery Package     lnpNotificationRecoveryPkg PACKAGE     BEHAVIOUR lnpNotificationRecoveryPkgBehavior;     ACTIONS</pre>
<pre>DEFINED AS !     This package provides for conditionally including the     serviceProvSecurityAddress attribute.     !;     - 27.0 LNP Notification Recovery Package InpNotificationRecoveryPkg PACKAGE     BEHAVIOUR InpNotificationRecoveryPkgBehavior;     ACTIONS         InpNotificationRecovery;     REGISTERED AS (LNP-OIDS.lnp-package 27);     REGISTERED AS (LNP-OIDS.lnp-package 27);     This package provides for conditionally including the         InpNotificationRecovery action.         InpNotificationRecovery action.         /;         - 28.0 LNP Subscription Audit TN Activation Range Package         subscriptionAuditTN ActivationRangePkgBehavior;     } } </pre>
<pre>DEFINED AS !     This package provides for conditionally including the     serviceProvSecurityAddress attribute.     !;     27.0 LNP Notification Recovery Package     lnpNotificationRecoveryPkg PACKAGE     BEHAVIOUR lnpNotificationRecoveryPkgBehavior;     ACTIONS</pre>

```
subscriptionAuditTN-ActivationRange GET;
   REGISTERED AS [LNP-OIDS.lnp-package 28];
subscriptionAuditTN-ActivationRangePkgBehavior-BEHAVIOUR
   -DEFINED AS !
       This package provides for conditionally including the
      -subscriptionAuditTN-ActivationRange attribute.
   +;
-- 29.0 LNP Subscription Timer Type Package
subscriptionTimerTypePkg PACKAGE
   -BEHAVIOUR subscriptionTimerTypePkgBehavior;
   -ATTRIBUTES
      REGISTERED AS {LNP-OIDS.lnp-package 29};
subscriptionTimerTypePkgBehavior BEHAVIOUR
   -DEFINED AS !
       This package provides for conditionally including the
      -subscriptionTimerType attribute.
  <u>+;</u>
-- 30.0 LNP Subscription Business Type Package
subscriptionBusinessTypePkg PACKAGE
   BEHAVIOUR subscriptionBusinessTypePkgBehavior;
   -ATTRIBUTES
    subscriptionBusinessType GET;
  REGISTERED AS {LNP-OIDS.lnp-package 30};
subscriptionBusinessTypePkgBehavior BEHAVIOUR
  DEFINED AS !
      This package provides for conditionally including the
  <u>+;</u>
-- 31.0 LNP Subscription WSMSC Data Package
subscriptionWSMSC-DataPkg PACKAGE
   BEHAVIOUR subscriptionWSMSC-DataPkgBehavior;
  -ATTRIBUTES
       subscriptionWSMSC-DPC GET-REPLACE;
     subscriptionWSMSC-SSN GET-REPLACE;
  REGISTERED AS {LNP-OIDS.lnp-package 31};
SubscriptionWSMSC-DataPkgBehavior BEHAVIOUR
  - DEFINED AS !
      This package provides for conditionally including the
     WSMSC DPC and SSN attributes.
 <del>;</del>
```

### 6.12 Parameter Definitions

1.0 Access Control Parameter

```
accessControlParameter PARAMETER

CONTEXT EVENT INFO;

WITH SYNTAX LNP ASN1.LnpAccessControl;

REGISTERED AS (LNP OIDS.lnp parameter 1);

- 2.0 LNP Specific Info Parameter

InpSpecificInfoParameter PARAMETER

CONTEXT SPECIFIC ERROR;

ATTRIBUTE InpSpecificInfo;

WITH SYNTAX LNP ASN1.LnpSpecificInfo;

REGISTERED AS (LNP OIDS.lnp parameter 2);

6.13 Action Definitions

- 1.0 LNP Download Action

InpDownload ACTION
```

BEHAVIOUR

lnpDownloadBehavior;

WITH INFORMATION SYNTAX LNP-ASN1.DownloadAction;

- WITH REPLY SYNTAX LNP-ASN1.DownloadReply;
- REGISTERED AS {LNP-OIDS.lnp-action 1};

InpDownloadDefinition BEHAVIOUR

InpDownloadBehavior BEHAVIOUR

Proconditions	This pation	is issued from	an lnpSubscriptions
rrecondrerons.	Inis acción	IS ISSUED IIOM (	
	ck object and	all objects to	he downloaded
	ik object and	arr objects to	be downroaded
are specified :	in the action	roquest	
are spectried.		request.	

Postconditions: After this action has been executed by the Local
 SMS or SOA specifying which objects to download, the NPAC SMS will
 determine which objects satisfy the download request and return
 them in the download action reply. Creation, deletion, and
 modification information will be included in the reply. All data
 for objects that have been modified is downloaded not just the
 information that was modified.

Data to be downloaded can be specified by a time range of last
 modification/creation or by other criteria. Time range requests
 will be limited to a tunable range specified in the NPAC SMS.
 All data modified/created in the download time period, regardless
 of the amount of data, will be downloaded. For download requests
 not specifying a time range, the amount of data downloaded will be
 limited to a tunable amount as specified in the NPAC SMS.

Criteria for a subscription download is a time range or a TN or

TN range. For TN ranges the stop TN in the range must be greater	
chan the statt in the tange.	
Criteria for a network data download is a time range, service	
npa-nxx data, an LRN range or all LRN data, or all network data.	
npa min auca, an Ent lange of all Ent auca, of all necessin auca.	
will be returned in the reply. The following errors can be returned	Ł
criteria teo largo . Mee many records are being returned . This is	
criteria-too-large - Too many records are being returned. This is	
determined by the MAXIMUM NUMBER DOWNLOAD RECORDS tunable on the	
time-range-invalid - The time range given exceeds the MAXIMUM-	
no data selected No criteria selected in request.	
-	
failed - Failed for other reasons.	
fatted fatted for other reasons.	
SOAs can only use the InpDownload action to recover network data.	
2. O IND Deservory Complete Action	
2.0 LNP Recovery Complete Action	
1npRecoveryComplete ACTION	
BEHAVIOUR	
lnpRecoveryCompleteBehavior;	
WITH INFORMATION SYNTAX LNP-ASN1.RecoveryCompleteAction;	
WITH REPLY SYNTAX LNP-ASN1.RecoveryCompleteReply;	
REGISTERED AS (DAT OTDS. THP accion 2);	
<pre>lnpRecoveryCompleteDefinition BEHAVIOUR</pre>	
The InpRecoveryComplete action is used by the Local SMS or SOA	
to specify the system has recovered from downtime and the	
transactions performed since the association establishment can now	be
<pre>lnpRecoveryCompleteBehavior BEHAVIOUR</pre>	
Preconditions: This action is issued from an LSMS or SOA that	
specified the recovery mode flag in the access control as true at	
association establishment.	
association establishment.	
Postconditions: After this action has been executed by the Local	
SMS or SOA specifying recovery is complete, the NPAC SMS will	
forward those updates requested which took place for the network	
and subscription data as well as any notifications since the	
association was established.	
If a recovery complete request fails in the NPAC SMS the failure	
reason	

will be returned in the reply.
3.0 LNP Subscription Version Activate Action
- 5.0 INI Subscription version Activate Action
subscriptionVersionActivate ACTION
BEHAVIOUR
,
WITH REPLY SYNTAX LNP-ASN1.ActivateReply;
subscriptionVersionActivateDefinition BEHAVIOUR
The subscriptionVersionActivate action is the action that can be
used by the SOA of the new service provider to activate a
subscription version id, tn or a range of tns via the SOA to
- /
subscriptionVersionActivateBehavior BEHAVIOUR
Preconditions: This action is issued from an lnpSubscriptions
object specifying the object or range of objects to be activated by
either subscriptionVersionId, the subscriptionTN or range of TNs
(where the stop TN in the range is greater than the start TN).
Postconditions: The service provider has activated the subscription
can not be detivated for any featen.
Only pending subscription versions can be activated. Attempts to
port subscription versions that have not been authorized by both
service providers will fail unless the due date has been reached.
Service providers will fall unless the due date has been reached.
- /
4.0 LNP Subscription Version Cancel Action
4.0 BAI Subscription version cancel Action
subscriptionVersionCancel ACTION
Subscriptionversioncancer Action
BEHAVIOUR
WITH REPLY SYNTAX LNP-ASN1.CancelReply;
ABCIDITADE NO (LAT OFDOLING ACCION 4),
subscriptionVersionCancelDefinition BEHAVIOUR
DEFINED AS !
The subscriptionVersionCancel action is the action that can be
used by the SOA to cancel a subscription version via the SOA to
· · · · · · · · · · · · · · · · · · ·

subscriptionVersionCancelBehavior BEHAVIOUR

DEFINED AS !
Preconditions: This action is issued from an lnpSubscriptions
object specifying the object or objects to be canceled by either
the subscriptionVersionId, the subscriptionTN or a range of TNs
(where the stop TN in the range is greater than the start TN).
Postconditions: The service provider has set the version status
to cancel if the other service provider has not concurred. An
error will be returned if there is no version that can be cancelled
or the service provider is not authorized.
5.0 LNP Subscription Version Disconnect Action
-
autominti articanti anna at ROMION
subscriptionVersionDisconnect ACTION
BEHAVIOUR
MODE CONFIRMED;
WITH INFORMATION SYNTAX LNP-ASN1.DisconnectAction;
WITH REPLY SYNTAX LNP-ASN1.DisconnectReply;
Audistitute As (lar ofbs.thp action 3),
subscriptionVersionDisconnectDefinition BEHAVIOUR
DEFINED AS !
The subscriptionVersionDisconnect action is the action that is
used by the SOA to disconnect a subscription version via the SOA to
subscriptionVersionDisconnectBehavior BEHAVIOUR
subscriptionVersionDisconnectBehavior BEHAVIOUR 
subscriptionVersionDisconnectBehavior       BEHAVIOUR        DEFINED_AS_!      Preconditions:         This action is issued from an lnpSubscriptions
subscriptionVersionDisconnectBehavior BEHAVIOUR         DEFINED AS !         Preconditions: This action is issued from an lnpSubscriptions         object and specifies the object or objects to be disconnected by
subscriptionVersionDisconnectBehavior       BEHAVIOUR        DEFINED_AS_!      Preconditions:         This action is issued from an lnpSubscriptions
subscriptionVersionDisconnectBehavior BEHAVIOUR         DEFINED AS !         Preconditions: This action is issued from an lnpSubscriptions         object and specifies the object or objects to be disconnected by         either stating the subscriptionVersionId, the subscriptionTN or a
subscriptionVersionDisconnectBehavior BEHAVIOUR         DEFINED AS !         Preconditions: This action is issued from an lnpSubscriptions         object and specifies the object or objects to be disconnected by         either stating the subscriptionVersionId, the subscriptionTN or a         range of TNs (where the stop TN in the range is greater than the
<pre>subscriptionVersionDisconnectBehavior BEHAVIOUR</pre>
subscriptionVersionDisconnectBehavior BEHAVIOUR         DEFINED AS !         Preconditions: This action is issued from an lnpSubscriptions         object and specifies the object or objects to be disconnected by         either stating the subscriptionVersionId, the subscriptionTN or a         range of TNs (where the stop TN in the range is greater than the
<pre>subscriptionVersionDisconnectBehavior BEHAVIOUR</pre>
subscriptionVersionDisconnectBehavior BEHAVIOUR         DEFINED AS !         Preconditions: This action is issued from an lnpSubscriptions         object and specifies the object or objects to be disconnected by         either stating the subscriptionVersionId, the subscriptionTN or a         range of TNs (where the stop TN in the range is greater than the         start TN). In addition, the customer's disconnect date is         specified. An optional effective release date can be specified for         a time deferred disconnect.         Postconditions: The current service provider can disconnect an active         subscription version. An error will be returned to the service
<pre>subscriptionVersionDisconnectBehavior BEHAVIOUR</pre>
<pre>subscriptionVersionDisconnectBehavior BEHAVIOUR DEFINED AS ! Preconditions: This action is issued from an lnpSubscriptions object and specifies the object or objects to be disconnected by either stating the subscriptionVersionId, the subscriptionTN or a range of TNs (where the stop TN in the range is greater than the start TN). In addition, the customer's disconnect date is specified. An optional effective release date can be specified for a time deferred disconnect. Postconditions: The current service provider can disconnect an active subscription version. An error will be returned to the service provider if there is no active version. If there is a pending version and an active version, the disconnect of the active</pre>
<pre>subscriptionVersionDisconnectBehavior BEHAVIOUR</pre>
<pre>subscriptionVersionDisconnectBehavior BEHAVIOUR DEFINED AS ! Preconditions: This action is issued from an lnpSubscriptions object and specifies the object or objects to be disconnected by either stating the subscriptionVersionId, the subscriptionTN or a range of TNs (where the stop TN in the range is greater than the start TN). In addition, the customer's disconnect date is specified. An optional effective release date can be specified for a time deferred disconnect. Postconditions: The current service provider can disconnect an active subscription version. An error will be returned to the service provider if there is no active version. If there is a pending version and an active version, the disconnect of the active</pre>
<pre>subscriptionVersionDisconnectBehavior BEHAVIOUR</pre>
<pre>subscriptionVersionDisconnectBehavior_BEHAVIOUR</pre>
<pre>subscriptionVersionDisconnectBehavior BEHAVIOUR DEFINED AS !</pre>
<pre>subscriptionVersionDisconnectBehavior_BEHAVIOUR DEFINED AS ! Preconditions: This action is issued from an lnpSubscriptions object and specifies the object or objects to be disconnected by either stating the subscriptionVersionId, the subscriptionTN or a range of TNs (where the stop TN in the range is greater than the start TN). In addition, the customer's disconnect date is specified. An optional effective release date can be specified for a time deferred disconnect. Postconditions: The current service provider can disconnect an active subscription version. An error will be returned to the service provider if there is no active version. If there is a pending version and an active version, the disconnect of the active subscription version will fail. If the version is active, no outstanding versions exist, and the time stamp for disconnect has not been reached, the subscription version will be modified with a version status of</pre>
<pre>subscriptionVersionDisconnectBehavior_BEHAVIOUR DEFINED AS ! Preconditions: This action is issued from an lnpSubscriptions object and specifies the object or objects to be disconnected by either stating the subscriptionVersionId, the subscriptionTN or a range of TNs (where the stop TN in the range is greater than the start TN). In addition, the customer's disconnect date is specified. An optional effective release date can be specified for a time deferred disconnect. Postconditions: The current service provider can disconnect an active subscription version. An error will be returned to the service provider if there is no active version. If there is a pending version and an active version, the disconnect of the active subscription version will fail. If the version is active, no outstanding versions exist, and the time stamp for disconnect has not been reached, the subscription version will be modified with a version status of</pre>
<pre>subscriptionVersionDisconnectBehavior_BEHAVIOUR DEFINED AS ! Preconditions: This action is issued from an lnpSubscriptions object and specifies the object or objects to be disconnected by either stating the subscriptionVersionId, the subscriptionTN or a range of TNs (where the stop TN in the range is greater than the start TN). In addition, the customer's disconnect date is specified. An optional effective release date can be specified for a time deferred disconnect. Postconditions: The current service provider can disconnect an active subscription version. An error will be returned to the service provider if there is no active version. If there is a pending version and an active version, the disconnect of the active subscription version will fail. If the version is active, no outstanding versions exist, and the time stamp for disconnect has not been reached, the subscription version will be modified with a version status of disconnect pending and the subscriptionEffectiveReleaseDate</pre>
<pre>subscriptionVersionDisconnectBehavior_BEHAVIOUR DEFINED AS ! Preconditions: This action is issued from an lnpSubscriptions object and specifies the object or objects to be disconnected by either stating the subscriptionVersionId, the subscriptionTN or a range of TNs (where the stop TN in the range is greater than the start TN). In addition, the customer's disconnect date is specified. An optional effective release date can be specified for a time deferred disconnect. Postconditions: The current service provider can disconnect an active subscription version. An error will be returned to the service provider if there is no active version. If there is a pending version and an active version, the disconnect of the active subscription version will fail. If the version is active, no outstanding versions exist, and the time stamp for disconnect has not been reached, the subscription version will be modified with a version status of</pre>
subscriptionVersionDisconnectBehavior_BEHAVIOUR         DEFINED AS !         Preconditions: This action is issued from an lnpSubscriptions         object and specifies the object or objects to be disconnected by         either stating the subscriptionVersionId, the subscriptionTN or a         range of TNs (where the stop TN in the range is greater than the         start TN). In addition, the customer's disconnect date is         specified. An optional effective release date can be specified for         a time deferred disconnect.         Postconditions: The current service provider can disconnect an active         subscription version. An error will be returned to the service         provider if there is no active version. If there is a pending         version and an active version, the disconnect of the active         subscription version will fail.         If the version is active, no outstanding versions exist,         and the time stamp for disconnect has not been reached, the         subscription version will be modified with a version status of         disconnect-pending and the subscriptionEffectiveReleaseDate
<pre>subscriptionVersionDisconnectBehavior_BEHAVIOUR DEFINED AS ! Preconditions: This action is issued from an lnpSubscriptions object and specifies the object or objects to be disconnected by either stating the subscriptionVersionId, the subscriptionTN or a range of TNs (where the stop TN in the range is greater than the start TN). In addition, the customer's disconnect date is specified. An optional effective release date can be specified for a time deferred disconnect. Postconditions: The current service provider can disconnect an active subscription version. An error will be returned to the service provider if there is no active version. If there is a pending version and an active version, the disconnect of the active subscription version will fail. If the version is active, no outstanding versions exist, and the time stamp for disconnect has not been reached, the subscription version will be modified with a version status of disconnect pending and the subscriptionEffectiveReleaseDate</pre>
subscriptionVersionDisconnectBehavior BEHAVIOUR         DEFINED AS -!         Preconditions: This action is issued from an InpSubscriptions         object and specifies the object or objects to be disconnected by         either stating the subscriptionVersionId, the subscriptionTN or a         range of TNS (where the stop TN in the range is greater than the         start TN). In addition, the customer's disconnect date is         specified. An optional effective release date can be specified for         a time deferred disconnect.         Postconditions: The current service provider can disconnect an active         subscription version. An error will be returned to the service         provider if there is no active version. If there is a pending         version and an active, no outstanding versions exist,         and the time stamp for disconnect has not been reached, the         subscription version will be modified with a version status of         disconnect pending and the subscriptionEffectiveReleaseDate         set to the effective release date specified in the action.         If the version is active, there are no outstanding versions, and
subscriptionVersionDisconnectBehavior BEHAVIOUR         DEFINED AS -1         Preconditions: This action is issued from an lnpSubscriptions         object and specifies the object or objects to be disconnected by         either stating the subscriptionVersionId, the subscriptionTN or a         range of TNs (where the stop TN in the range is greater than the         start TN). In addition, the customer's disconnect date is         specified. An optional effective release date can be specified for         a time deferred disconnect.         Postconditions: The current service provider can disconnect an active         subscription version. An error will be returned to the service         provider if there is no active version. If there is a pending         version and an active, no outstanding versions exist,         and the time stamp for disconnect has not been reached, the         subscription version will be modified with a version status of         disconnect-pending and the subscriptionEffectiveReleaseDate         act to the effective release date specified in the action.         If the version is active, there are no outstanding versions, and         the time stamp for effective release has not been specified, the
<pre>subscriptionVersionDisconnectBehavior BEHAVIOUR DEFINED AG ! Preconditions: This action is issued from an InpSubscriptions object and specifies the object or objects to be disconnected by either stating the subscriptionVersionId, the subscriptionTN or a range of TNs (where the stop TN in the range is greater than the start TN). In addition, the customer's disconnect date is specified. An optional effective release date can be specified for a time deferred disconnect. Postconditions: The current service provider can disconnect an active subscription version. An error will be returned to the service provider if there is no active version. If there is a pending version and an active version, the disconnect of the active subscription version will fail. If the version is active, no outstanding versions exist, and the time stamp for disconnect has not been reached, the subscription version will be modified with a version status of disconnect pending and the subscriptionEffectiveReleaseDate set to the effective release date specified in the action. If the version is active, there are no outstanding versions, and the time stamp for effective release has not been specified, the subscription version will be updated with a version status of</pre>
subscriptionVersionDisconnectBehavior BEHAVIOUR         DEFINED AS -1         Preconditions: This action is issued from an lnpSubscriptions         object and specifies the object or objects to be disconnected by         either stating the subscriptionVersionId, the subscriptionTN or a         range of TNs (where the stop TN in the range is greater than the         start TN). In addition, the customer's disconnect date is         specified. An optional effective release date can be specified for         a time deferred disconnect.         Postconditions: The current service provider can disconnect an active         subscription version. An error will be returned to the service         provider if there is no active version. If there is a pending         version and an active, no outstanding versions exist,         and the time stamp for disconnect has not been reached, the         subscription version will be modified with a version status of         disconnect-pending and the subscriptionEffectiveReleaseDate         act to the effective release date specified in the action.         If the version is active, there are no outstanding versions, and         the time stamp for effective release has not been specified, the
<pre>subscriptionVersionDisconnectBehavior BEHAVIOUR DEFINED AG ! Preconditions: This action is issued from an InpSubscriptions object and specifies the object or objects to be disconnected by either stating the subscriptionVersionId, the subscriptionTN or a range of TNs (where the stop TN in the range is greater than the start TN). In addition, the customer's disconnect date is specified. An optional effective release date can be specified for a time deferred disconnect. Postconditions: The current service provider can disconnect an active subscription version. An error will be returned to the service provider if there is no active version. If there is a pending version and an active version, the disconnect of the active subscription version will fail. If the version is active, no outstanding versions exist, and the time stamp for disconnect has not been reached, the subscription version will be modified with a version status of disconnect pending and the subscriptionEffectiveReleaseDate set to the effective release date specified in the action. If the version is active, there are no outstanding versions, and the time stamp for effective release has not been specified, the subscription version will be updated with a version status of</pre>

GDMO Definition
When the new subscription version status is set to sending either
immediately or at the time the date and time specified in the
<u>subscriptionEffectiveReleaseDate, the broadcast time stamp is</u>
set to the current time when the disconnect version sending starts
to the Local SMSs via the NPAC SMS to Local SMS interface.
Before the broadcast of deletes begins, the
actual customer disconnect date.
If the delete requests are successful for all Local SMSs, the
and the subscriptionDisconnectCompleteTimeStamp is set to the
If a delete request fails for the disconnect subscription
version after the retry periods have expired, the version
status will be set to active if all Local SMSs fail, or set to
6.0 LNP Subscription Version Local SMS Create Action
0.0 EN Subscription version local ship create Action
subscriptionVersionLocalSMS-Create ACTION
subscriptionVersionLocalSMS-CreateDefinition BEHAVIOUR
The subscriptionVersionLocalSMS Create action is the action that is
used by the NPAC SMS to create multiple subscription versions via the
Local SMS to NPAC SMS interface.
subscriptionVersionLocalSMS CreateBehavior BEHAVIOUR
Preconditions: This action is issued from an InpSubscriptions
the subscriptionVersionId and the subscriptionTN. All attribute
Postconditions: A successful reply indicates the Local SMS can
decipher the subscription version create action. An error will be
returned to the NPAC SMS if the Local SMS cannot recognize the
action data.
The Local SMS will attempt to create all the specified subscription
versions. It will return the subscriptionVersionActionResults
failure of the creation attempts.
For Poloceo 1 ( Number Pooling Current.
For Release 1.4 Number Pooling Support:

There will be no need on the part of the LSMS to validate the TN range. The LSMS will use the subscriptionVersionObjects
to create the subscription versions for the TN range in the LSMS.
This is done to insure that the subscription version ids used
in the NPAC SMS and the Local SMS are the same.
7.0 LNP Subscription Version Modify Action
subscriptionVersionModify ACTION
BEHAVIOUR
subscriptionVersionModifyDefinition,
subscriptionVersionModifyBehavior;
MODE CONFIRMED;
WITH INFORMATION SYNTAX LNP-ASN1.ModifyAction;
WITH REPLY SYNTAX LNP-ASN1.ModifyReply;
REGISTERED AS {LNP-OIDS.lnp-action 7};
REGISTERE AS (INF OUS.INP accion /),
subscriptionVersionModifyDefinition BEHAVIOUR
DEFINED AS !
The subscriptionVersionModify action is the action that can be
used by the SOA to modify a subscription version via the SOA to
<u>NPAC SMS interface.</u>
SubscriptionVersionModifyBehavior BEHAVIOUR
DEFINED AS !
Preconditions: This action is issued from an InpSubscriptions
object specifying the object to be modified by specifying
the subscriptionVersionId or by specifying the subscriptionTN or
a range of TNs (where the stop TN in the range is greater than
the start TN) and the status of the subscription version. All
attribute values to be modified shall also be specified.
- Postconditions: The NPAC SMS has modified the subscription
version. An error will be returned to the service provider if
there is no version that is modifiable or if the modification fail.
due to authorization of the service provider or data validation.
Service Providers can modify attributes associated with active,
pending or conflict subscription versions.
Old service providers can only modify the following attributes
for pending or conflict subscription versions:
for pending of conflict subscription versions:
subscriptionOldSP-DueDate
subscriptionStatusChangeCauseCode
The subscriptionStatusChangeCauseCode is an optional field and is only specified if the subscriptionOldSP-Authorization is false.
The subscriptionStatusChangeCauseCode is an optional field and is only specified if the subscriptionOldSP-Authorization is false.
The subscriptionStatusChangeCauseCode is an optional field and is only specified if the subscriptionOldSP-Authorization is false. New service providers can only modify the following attributes
The subscriptionStatusChangeCauseCode is an optional field and is only specified if the subscriptionOldSP-Authorization is false.
The subscriptionStatusChangeCauseCode is an optional field and is only specified if the subscriptionOldSP-Authorization is false. New service providers can only modify the following attributes for pending or conflict subscription versions:
The subscriptionStatusChangeCauseCode is an optional field and is only specified if the subscriptionOldSP-Authorization is false. New service providers can only modify the following attributes

	ODINO Deminione
SubscriptionBringta	
	<del>/lder</del>
If validation fails no changes will be made and an error	
	he
modified and remain in a pending of active state.	
New service providers can only modify the following attra	<del>Lbutes</del>
for active subscription versions:	
subscriptionBillingId	
If the data specified passes validation, the modified ver	<del>rsion</del>
	<del>sion will have</del>
a status of sending and broadcasts will begin. If validation	ation fails,
	0110 4001011
терту.	
subscriptionVersionNewSP-CancellationAcknowledge ACTION	
BEHAVIOUR	
	<del>)n.</del>
	·
	<del>)n;</del>
<pre>WITH REPLY SYNTAX LNP-ASN1.CancellationAcknowledgeReply;</pre>	
	<u>.</u>

DEF	INED AS !
	The subscriptionVersionNewSP CancellationAcknowledge action
	is the action that is used via the SOA to NPAC
	SMS interface by the new service provider to acknowledge
	cancellation of a subscriptionVersionNPAC with a status of
	- cancel-pending.
	cancer pending.
• /	
	ptionVersionNewSP-CancellationAcknowledgeBehavior BEHAVIOUR
	INED AS !
	Preconditions: This action was issued from an InpSubscriptions
	object specifying the object or objects to be acknowledged by eith
	the subscriptionVersionId, the subscriptionTN or a range of
	subscriptionTNs (where the stop TN in the range is greater than
	the start TN).
	Postconditions, The convice provider has acknowledged the
	Postconditions: The service provider has acknowledged the
	subscription version. An error will be returned to the service
	provider if no version exists that can have the cancellation
	acknowledged or if the acknowledgement fails due to
	the service provider not being authorized to perform the action.
	The subscriptionNewSP-CancellationTimeStamp will be
	updated to the current time if the action is successful and the
	version status is changed to cancel.
	Version status is changed to cancer.
	- LNP Subscription Version Remove From Conflict
- 10.0	- LNP Subscription Version Remove From Conflict
<del>- 10.(</del> ıbscri	
	- ptionVersionRemoveFromConflict_ACTION AVIOUR
- 10.0 Ibscri BEH	- ptionVersionRemoveFromConflict_ACTION AVIOUR - subscriptionVersionRemoveFromConflictDefinition,
- 10.0 Ibscri BEI	- ptionVersionRemoveFromConflict_ACTION AVIOUR -subscriptionVersionRemoveFromConflictDefinition, -subscriptionVersionRemoveFromConflictBehavior;
	ptionVersionRemoveFromConflict_ACTION AVIOUR -subscriptionVersionRemoveFromConflictDefinition, -subscriptionVersionRemoveFromConflictBehavior; - CONFIRMED;
- 10.0 abscri BEF MOE WIT	ptionVersionRemoveFromConflict_ACTION AVIOUR -subscriptionVersionRemoveFromConflictDefinition, -subscriptionVersionRemoveFromConflictBehavior; E CONFIRMED; H INFORMATION_SYNTAX_LNP-ASN1.RemoveFromConflictAction;
- 10.0 bscri BEH - MOH - MOH - WIT	ptionVersionRemoveFromConflict_ACTION AVIOUR -subscriptionVersionRemoveFromConflictDefinition, -subscriptionVersionRemoveFromConflictBehavior; WE CONFIRMED; WH INFORMATION SYNTAX LNP-ASN1.RemoveFromConflictAction; WH REPLY SYNTAX LNP-ASN1.RemoveFromConflictReply;
- 10.0 Ibscri BEH MOH WIT	ptionVersionRemoveFromConflict_ACTION AVIOUR -subscriptionVersionRemoveFromConflictDefinition, -subscriptionVersionRemoveFromConflictBehavior; E CONFIRMED; H INFORMATION_SYNTAX_LNP-ASN1.RemoveFromConflictAction;
- 10.0 Ibscri BEH MOH WIT	ptionVersionRemoveFromConflict_ACTION AVIOUR -subscriptionVersionRemoveFromConflictDefinition, -subscriptionVersionRemoveFromConflictBehavior; WE CONFIRMED; WH INFORMATION SYNTAX LNP-ASN1.RemoveFromConflictAction; WH REPLY SYNTAX LNP-ASN1.RemoveFromConflictReply;
- 10.0 BEF MOF WIT WIT REC	ptionVersionRemoveFromConflict_ACTION AVIOUR -subscriptionVersionRemoveFromConflictDefinition; -subscriptionVersionRemoveFromConflictBehavior; WE CONFIRMED; WI INFORMATION SYNTAX LNP-ASN1.RemoveFromConflictAction; WI REPLY SYNTAX LNP-ASN1.RemoveFromConflictReply; WISTERED AS {LNP-OIDS.lnp-action 10};
- 10.0 BEF BEF MOI WIT WIT REC	ptionVersionRemoveFromConflict_ACTION AVIOUR -subscriptionVersionRemoveFromConflictDefinition, -subscriptionVersionRemoveFromConflictBehavior; WE CONFIRMED; WH INFORMATION_SYNTAX_LNP_ASN1.RemoveFromConflictAction; WH REPLY_SYNTAX_LNP_ASN1.RemoveFromConflictReply; WI STERED_AS_{LNP-OIDS.lnp-action_10}; ptionVersionRemoveFromConflictDefinition_BEHAVIOUR
- 10.0 BEF BEF MOI WIT WIT REC	ptionVersionRemoveFromConflict_ACTION AVIOUR -subscriptionVersionRemoveFromConflictDefinition, -subscriptionVersionRemoveFromConflictBehavior; WE CONFIRMED; WH INFORMATION_SYNTAX_LNP_ASN1.RemoveFromConflictAction; WH REPLY_SYNTAX_LNP_ASN1.RemoveFromConflictReply; ISTERED_AS_{LNP_OIDS.lnp_action_10}; ptionVersionRemoveFromConflictDefinition_BEHAVIOUR TNED_AS_!
- 10.0 BEF BEF MOI WIT WIT REC	<pre>ptionVersionRemoveFromConflict_ACTION AVIOUR subscriptionVersionRemoveFromConflictDefinition, subscriptionVersionRemoveFromConflictBehavior; E CONFIRMED; H INFORMATION SYNTAX LNP_ASN1.RemoveFromConflictAction; H REPLY SYNTAX LNP_ASN1.RemoveFromConflictReply; HSTERED AS {LNP-OIDS.lnp-action 10}; ptionVersionRemoveFromConflictDefinition_BEHAVIOUR TNED_AS ! The subscriptionVersionRemoveFromConflict_action</pre>
- 10.0 abscri BEI MOI WIT WIT REC abscri	<pre>ptionVersionRemoveFromConflict_ACTION AVIOUR subscriptionVersionRemoveFromConflictDefinition, subscriptionVersionRemoveFromConflictBehavior; E CONFIRMED; H INFORMATION SYNTAX LNP_ASN1.RemoveFromConflictAction; H REPLY SYNTAX LNP_ASN1.RemoveFromConflictReply; ISTERED AS {LNP-OIDS.lnp-action 10}; ptionVersionRemoveFromConflictDefinition_BEHAVIOUR TNED_AS ! The subscriptionVersionRemoveFromConflict_action - is the action that is used via the SOA to NPAC</pre>
- 10.0	<pre>ptionVersionRemoveFromConflict_ACTION AVIOUR subscriptionVersionRemoveFromConflictDefinition, subscriptionVersionRemoveFromConflictBehavior; E CONFIRMED; H INFORMATION SYNTAX LNP_ASN1.RemoveFromConflictAction; H REPLY SYNTAX LNP_ASN1.RemoveFromConflictReply; ISTERED AS {LNP_OIDS.lnp_action 10}; PtionVersionRemoveFromConflictDefinition_BEHAVIOUR TNED AS ! The subscriptionVersionRemoveFromConflict_action is the action that is used via the SOA to NPAC SMS interface by either the old or new service provider to set the</pre>
- 10.0	<pre>ptionVersionRemoveFromConflict_ACTION AVIOUR subscriptionVersionRemoveFromConflictDefinition, subscriptionVersionRemoveFromConflictBehavior; E CONFIRMED; H INFORMATION SYNTAX LNP_ASN1.RemoveFromConflictAction; H REPLY SYNTAX LNP_ASN1.RemoveFromConflictReply; ISTERED AS {LNP-OIDS.lnp-action 10}; ptionVersionRemoveFromConflictDefinition_BEHAVIOUR TNED_AS ! The subscriptionVersionRemoveFromConflict_action - is the action that is used via the SOA to NPAC</pre>
- 10.0	<pre>ptionVersionRemoveFromConflict_ACTION AVIOUR subscriptionVersionRemoveFromConflictDefinition, subscriptionVersionRemoveFromConflictBehavior; E CONFIRMED; H INFORMATION SYNTAX LNP_ASN1.RemoveFromConflictAction; H REPLY SYNTAX LNP_ASN1.RemoveFromConflictReply; ISTERED AS {LNP_OIDS.lnp_action 10}; PtionVersionRemoveFromConflictDefinition_BEHAVIOUR TNED AS ! The subscriptionVersionRemoveFromConflict_action is the action that is used via the SOA to NPAC SMS interface by either the old or new service provider to set the</pre>
ubscri BEH MOH WIJ WIJ REC ubscri DEH	<pre>ptionVersionRemoveFromConflict_ACTION AVIOUR subscriptionVersionRemoveFromConflictDefinition, subscriptionVersionRemoveFromConflictBehavior; E CONFIRMED; H INFORMATION SYNTAX LNP_ASN1.RemoveFromConflictAction; H REPLY SYNTAX LNP_ASN1.RemoveFromConflictReply; ISTERED AS {LNP_OIDS.lnp_action 10}; PtionVersionRemoveFromConflictDefinition_BEHAVIOUR TNED AS ! The subscriptionVersionRemoveFromConflict_action is the action that is used via the SOA to NPAC SMS interface by either the old or new service provider to set the</pre>
- 10.0	<pre>ptionVersionRemoveFromConflict ACTION AVIOUR subscriptionVersionRemoveFromConflictDefinition, subscriptionVersionRemoveFromConflictBehavior; E CONFIRMED; H INFORMATION SYNTAX LNP-ASN1.RemoveFromConflictAction; H REPLY SYNTAX LNP-ASN1.RemoveFromConflictReply; ISTERED AS (LNP-OIDS.lnp-action 10); ptionVersionRemoveFromConflictDefinition DEHAVIOUR INED AS ! The subscriptionVersionRemoveFromConflict action is the action that is used via the SOA to NPAC SMS interface by either the old or new service provider to set the subscription version status from conflict to pending.</pre>
- 10.0	<pre>ptionVersionRemoveFromConflict ACTION AVIOUR subscriptionVersionRemoveFromConflictDefinition, subscriptionVersionRemoveFromConflictDehavior; E CONFIRMED; H INFORMATION SYNTAX LNP ASN1.RemoveFromConflictAction; H REPLY SYNTAX LNP ASN1.RemoveFromConflictReply; ISTERED AS (LNP-OIDS.lnp-action 10); ptionVersionRemoveFromConflictDefinition BEHAVIOUR TNED AS ! The subscriptionVersionRemoveFromConflict action is the action that is used via the SOA to NPAC SMS interface by either the old or new service provider to set the subscription version status from conflict to pending. ptionVersionRemoveFromConflictBehavior_BEHAVIOUR</pre>
- 10.0	<pre>ptionVersionRemoveFromConflict_ACTION AVIOUR subscriptionVersionRemoveFromConflictDefinition, subscriptionVersionRemoveFromConflictBehavior; E_CONFIRMED; H_INFORMATION_SYNTAX_LNP_ASN1.RemoveFromConflictAction; H_REPLY_SYNTAX_LNP_ASN1.RemoveFromConflictReply; HISTERED_AS_(LNP_OIDS.lnp_action_10); PtionVersionRemoveFromConflictDefinition_BEHAVIOUR TNED_AS_! The subscriptionVersionRemoveFromConflict_action is the action that is used via the SOA to NPAC SMS_interface by either the old or new service provider to set the subscription version_status_from_conflict_to_pending. ptionVersionRemoveFromConflictBehavior_BEHAVIOUR TNED_AS_!</pre>
- 10.0	<pre>ptionVersionRemoveFromConflict ACTION AVIOUR subscriptionVersionRemoveFromConflictDefinition, subscriptionVersionRemoveFromConflictDehavior, E CONFIRMED; H INFORMATION SYNTAX LNP-ASN1.RemoveFromConflictAction; H REPLY SYNTAX LNP-ASN1.RemoveFromConflictReply; HSTERED AS (LNP-OIDS.lnp-action 10); ptionVersionRemoveFromConflictDefinition BEHAVIOUR TNED AS ! The subscriptionVersionRemoveFromConflict action is the action that is used via the SOA to NPAC SMS interface by either the old or new service provider to set the subscription version status from conflict to pending. ptionVersionRemoveFromConflictDehavior BEHAVIOUR TNED AS ! ptionVersionRemoveFromConflictDehavior BEHAVIOUR TNED AS ! ptionVersionRemoveFromConflictDehavior BEHAVIOUR TNED AS ! Preconditions: This action was issued from an lnpSubscriptions</pre>
- 10.0	<pre>ptionVersionRemoveFromConflict ACTION AVIOUR subscriptionVersionRemoveFromConflictDefinition, subscriptionVersionRemoveFromConflictDehavior; E CONFIRMED; H INFORMATION SYNTAX LNP-ASN1.RemoveFromConflictAction; H REPLY SYNTAX LNP-ASN1.RemoveFromConflictReply; HSTERED AS (LNP-OIDS.lnp-action 10); ptionVersionRemoveFromConflictDefinition DEHAVIOUR TNED AS ! The subscriptionVersionRemoveFromConflict action is the action that is used via the SOA to NPAC SMS interface by either the old or new service provider to set the subscription version status from conflict to pending.</pre>
- 10.0	<pre>ptionVersionRemoveFromConflict ACTION AVIOUR subscriptionVersionRemoveFromConflictDefinition, subscriptionVersionRemoveFromConflictDehavior, E CONFIRMED; H INFORMATION SYNTAX LNP-ASN1.RemoveFromConflictAction; H REPLY SYNTAX LNP-ASN1.RemoveFromConflictReply; HSTERED AS (LNP-OIDS.lnp-action 10); ptionVersionRemoveFromConflictDefinition BEHAVIOUR TNED AS ! The subscriptionVersionRemoveFromConflict action is the action that is used via the SOA to NPAC SMS interface by either the old or new service provider to set the subscription version status from conflict to pending. ptionVersionRemoveFromConflictDehavior BEHAVIOUR TNED AS ! ptionVersionRemoveFromConflictDehavior BEHAVIOUR TNED AS ! ptionVersionRemoveFromConflictDehavior BEHAVIOUR TNED AS ! Preconditions: This action was issued from an lnpSubscriptions</pre>
- 10.0	<pre>ptionVersionRemoveFromConflict_ACTION AVIOUR subscriptionVersionRemoveFromConflictDefinition, subscriptionVersionRemoveFromConflictDehavior; E CONFIRMED; H INFORMATION_SYNTAX_LNP_ASN1.RemoveFromConflictAction; H REPLY_SYNTAX_LNP_ASN1.RemoveFromConflictReply; HSTERED_AS_{LNP_OIDS.lnp_action_10}; ptionVersionRemoveFromConflictDefinition_BEHAVIOUR TNED_AS_! The subscriptionVersionRemoveFromConflict_action is the action_that_is_used_via_the_SOA_to_NPAC SMS_interface_by_either_the_old_or_new_service_provider_to_set_the subscription_version_status_from_conflict_to_pending. ptionVersionRemoveFromConflictDehavior_BEHAVIOUR TNED_AS_! ptionVersionRemoveFromConflictDehavior_BEHAVIOUR TNED_AS_! ptionVersionRemoveFromConflictDehavior_BEHAVIOUR TNED_AS_! Preconditions: This_action_was_issued_from_an_lnpSubscriptions object_specifying_the_object_or_objects_to_be_updated_by_either the_subscriptionVersionId, the_subscriptionTN_or_a_range_of</pre>
- 10.0	<pre>ptionVersionRemoveFromConflict ACTION AVIOUR subscriptionVersionRemoveFromConflictDefinition, subscriptionVersionRemoveFromConflictDehavior; E CONFIRMED; H INFORMATION SYNTAX LNP ASN1.RemoveFromConflictAction; H REPLY SYNTAX LNP ASN1.RemoveFromConflictReply; HSTERED AS (LNP-OIDS.lnp-action 10); ptionVersionRemoveFromConflictDefinition DEHAVIOUR INED AS ! The subscriptionVersionRemoveFromConflict action is the action that is used via the SOA to NPAC SMS interface by either the old or new service provider to set the subscription version status from conflict to pending. ptionVersionRemoveFromConflictDehavior DEHAVIOUR INED AS ! ptionVersionRemoveFromConflictDehavior DEHAVIOUR INED AS ! ptionVersionRemoveFromConflictDehavior DEHAVIOUR INED AS ! ptionVersionRemoveFromConflictDehavior DEHAVIOUR INED AS ! Preconditions: This action was issued from an lnpSubscriptions object specifying the object or objects to be updated by either the subscriptionVersionId, the subscriptionTN or a range of subscriptionTNs (where the stop TN in the range is greater than</pre>
- 10.0	<pre>ptionVersionRemoveFromConflict_ACTION AVIOUR subscriptionVersionRemoveFromConflictDefinition, subscriptionVersionRemoveFromConflictDehavior; E CONFIRMED; H INFORMATION_SYNTAX_LNP_ASN1.RemoveFromConflictAction; H REPLY_SYNTAX_LNP_ASN1.RemoveFromConflictReply; HSTERED_AS_{LNP_OIDS.lnp_action_10}; ptionVersionRemoveFromConflictDefinition_BEHAVIOUR TNED_AS_! The subscriptionVersionRemoveFromConflict_action is the action_that_is_used_via_the_SOA_to_NPAC SMS_interface_by_either_the_old_or_new_service_provider_to_set_the subscription_version_status_from_conflict_to_pending. ptionVersionRemoveFromConflictDehavior_BEHAVIOUR TNED_AS_! ptionVersionRemoveFromConflictDehavior_BEHAVIOUR TNED_AS_! ptionVersionRemoveFromConflictDehavior_BEHAVIOUR TNED_AS_! Preconditions: This_action_was_issued_from_an_lnpSubscriptions object_specifying_the_object_or_objects_to_be_updated_by_either the_subscriptionVersionId, the_subscriptionTN_or_a_range_of</pre>
- 10.0	<pre>ptionVersionRemoveFromConflict ACTION AVIOUR subscriptionVersionRemoveFromConflictDefinition, subscriptionVersionRemoveFromConflictDehavior; E CONFIRMED; H INFORMATION SYNTAX LNP ASN1.RemoveFromConflictAction; H REPLY SYNTAX LNP ASN1.RemoveFromConflictReply; HSTERED AS (LNP-OIDS.lnp-action 10); ptionVersionRemoveFromConflictDefinition DEHAVIOUR INED AS ! The subscriptionVersionRemoveFromConflict action is the action that is used via the SOA to NPAC SMS interface by either the old or new service provider to set the subscription version status from conflict to pending. ptionVersionRemoveFromConflictDehavior DEHAVIOUR INED AS ! ptionVersionRemoveFromConflictDehavior DEHAVIOUR INED AS ! ptionVersionRemoveFromConflictDehavior DEHAVIOUR INED AS ! ptionVersionRemoveFromConflictDehavior DEHAVIOUR INED AS ! Preconditions: This action was issued from an lnpSubscriptions object specifying the object or objects to be updated by either the subscriptionVersionId, the subscriptionTN or a range of subscriptionTNs (where the stop TN in the range is greater than</pre>

GDMO Defi
provider if there is no version that can have the conflict
status removed or if the service provider is not authorized to
perform the action.
If the action is successful, either the
the current time, the version status will be changed from conflict
to pending, and the subscriptionOldSP-Authorization attribute
will be modified to true.
If the old service provider issues the action, the
11.0 LNP New Service Provider Subscription Version Create
subscriptionVersionNewSP-Create ACTION
subscriptionVersionNewSP-CreateDefinition BEHAVIOUR
The subscriptionVersionNewSP-Create action is the action that is
used via the SOA to NPAC SMS interface by the
$\cdot$
subscriptionVersionNewSP-CreateBehavior BEHAVIOUR
DEFINED AS 1
Preconditions: This action is issued from an InpSubscriptions
object. Creates can be performed provided there is only one
NFAC; otherwise an action failure will be returned.
The new consider much encoder will be been for the
The new service provider must specify valid values for the
following attributes:
subscriptionOldSP

	If the validations fail, a new subscription version will not
	be created if one does not exist. If one already existed, it
	will be retained.
	will be recailed.
	The action success or failure and reasons for failure will be
	returned in the action reply.
<del></del>	
12.0	LNP Old Service Provider Cancellation Acknowledge Request
12.0	In the better frother concernation nonnewreage hequebe
	otionVersionOldSP-CancellationAcknowledge ACTION
	AVIOUR
	<pre>subscriptionVersionOldSP-CancellationAcknowledgeDefinition,</pre>
	-subscriptionVersionOldSP CancellationAcknowledgeBehavior;
	<del>S CONFIRMED;</del>
	H INFORMATION SYNTAX LNP-ASN1.CancellationAcknowledgeAction;
V <u>+</u>	- INFORMATION SINIA LNF ASNI ConcernationAcknowledgeAction?
	H-REPLY SYNTAX LNP-ASN1.CancellationAcknowledgeReply;
	ISTERED AS {LNP OIDS.lnp action 12};
	-
aubaari	otionVersionOldSP-CancellationAcknowledgeDefinition BEHAVIOUR
-	INED AS !
	The subscriptionVersionOldSP-CancellationAcknowledge action
	is the action that is used via the SOA to NPAC
	SMS interface by the old service provider to acknowledge
	cancellation of a subscriptionVersionNPAC with a status of
	-cancel pending.
<del>;</del>	
aubaari	<pre>&gt;tionVersionOldSP-CancellationAcknowledgeBehavior BEHAVIOUR</pre>
	INED AS !
	Preconditions: This action was issued from an lnpSubscriptions
	Preconditions: This action was issued from an lnpSubscriptions
	Preconditions: This action was issued from an lnpSubscriptions object specifying the object or objects to be acknowledged by either
	Preconditions: This action was issued from an lnpSubscriptions object specifying the object or objects to be acknowledged by either the subscriptionVersionId, the subscriptionTN or a range of
	Preconditions: This action was issued from an lnpSubscriptions object specifying the object or objects to be acknowledged by either the subscriptionVersionId, the subscriptionTN or a range of subscriptionTNs (where the stop TN in the range is greater than the
	Preconditions: This action was issued from an lnpSubscriptions object specifying the object or objects to be acknowledged by either the subscriptionVersionId, the subscriptionTN or a range of
	Preconditions: This action was issued from an lnpSubscriptions object specifying the object or objects to be acknowledged by either the subscriptionVersionId, the subscriptionTN or a range of subscriptionTNs (where the stop TN in the range is greater than the
	Preconditions: This action was issued from an lnpSubscriptions object specifying the object or objects to be acknowledged by either the subscriptionVersionId, the subscriptionTN or a range of subscriptionTNs (where the stop TN in the range is greater than the start TN) and status.
	Preconditions: This action was issued from an lnpSubscriptions object specifying the object or objects to be acknowledged by either the subscriptionVersionId, the subscriptionTN or a range of subscriptionTNs (where the stop TN in the range is greater than the start TN) and status. Postconditions: The service provider has acknowledged the
	Preconditions: This action was issued from an lnpSubscriptions object specifying the object or objects to be acknowledged by either the subscriptionVersionId, the subscriptionTN or a range of subscriptionTNs (where the stop TN in the range is greater than the start TN) and status. Postconditions: The service provider has acknowledged the subscription version. An error will be returned to the service
	Preconditions: This action was issued from an lnpSubscriptions object specifying the object or objects to be acknowledged by either the subscriptionVersionId, the subscriptionTN or a range of subscriptionTNs (where the stop TN in the range is greater than the start TN) and status. Postconditions: The service provider has acknowledged the subscription version. An error will be returned to the service provider if there is no version that can have cancellation
	Preconditions: This action was issued from an lnpSubscriptions object specifying the object or objects to be acknowledged by either the subscriptionVersionId, the subscriptionTN or a range of subscriptionTNs (where the stop TN in the range is greater than the start TN) and status. Postconditions: The service provider has acknowledged the subscription version. An error will be returned to the service
	Preconditions: This action was issued from an lnpSubscriptions object specifying the object or objects to be acknowledged by either the subscriptionVersionId, the subscriptionTN or a range of subscriptionTNs (where the stop TN in the range is greater than the start TN) and status. Postconditions: The service provider has acknowledged the subscription version. An error will be returned to the service provider if there is no version that can have cancellation acknowledged or if the acknowledgement fails due to
	Preconditions: This action was issued from an lnpSubscriptions object specifying the object or objects to be acknowledged by either the subscriptionVersionId, the subscriptionTN or a range of subscriptionTNs (where the stop TN in the range is greater than the start TN) and status. Postconditions: The service provider has acknowledged the subscription version. An error will be returned to the service provider if there is no version that can have cancellation
	Preconditions: This action was issued from an lnpSubscriptions object specifying the object or objects to be acknowledged by either the subscriptionVersionId, the subscriptionTN or a range of subscriptionTNs (where the stop TN in the range is greater than the start TN) and status. Postconditions: The service provider has acknowledged the subscription version. An error will be returned to the service provider if there is no version that can have cancellation acknowledged or if the acknowledgement fails due to the service provider not being authorized to perform the action.
	Preconditions: This action was issued from an InpSubscriptions object specifying the object or objects to be acknowledged by either the subscriptionVersionId, the subscriptionTN or a range of subscriptionTNs (where the stop TN in the range is greater than the start TN) and status. Postconditions: The service provider has acknowledged the subscription version. An error will be returned to the service provider if there is no version that can have cancellation acknowledged or if the acknowledgement fails due to the service provider not being authorized to perform the action. The subscriptionOldSP-CancellationTimeStamp will be
	Preconditions: This action was issued from an lnpSubscriptions object specifying the object or objects to be acknowledged by either the subscriptionVersionId, the subscriptionTN or a range of subscriptionTNs (where the stop TN in the range is greater than the start TN) and status. Postconditions: The service provider has acknowledged the subscription version. An error will be returned to the service provider if there is no version that can have cancellation acknowledged or if the acknowledgement fails due to the service provider not being authorized to perform the action.
	Preconditions: This action was issued from an InpSubscriptions object specifying the object or objects to be acknowledged by either the subscriptionVersionId, the subscriptionTN or a range of subscriptionTNs (where the stop TN in the range is greater than the start TN) and status. Postconditions: The service provider has acknowledged the subscription version. An error will be returned to the service provider if there is no version that can have cancellation acknowledged or if the acknowledgement fails due to the service provider not being authorized to perform the action. The subscriptionOldSP CancellationTimeStamp will be updated to the current time if the action is successful and the
	Preconditions: This action was issued from an InpSubscriptions object specifying the object or objects to be acknowledged by either the subscriptionVersionId, the subscriptionTN or a range of subscriptionTNs (where the stop TN in the range is greater than the start TN) and status. Postconditions: The service provider has acknowledged the subscription version. An error will be returned to the service provider if there is no version that can have cancellation acknowledged or if the acknowledgement fails due to the service provider not being authorized to perform the action. The subscriptionOldSP-CancellationTimeStamp will be
	Preconditions: This action was issued from an InpSubscriptions object specifying the object or objects to be acknowledged by either the subscriptionVersionId, the subscriptionTN or a range of subscriptionTNs (where the stop TN in the range is greater than the start TN) and status. Postconditions: The service provider has acknowledged the subscription version. An error will be returned to the service provider if there is no version that can have cancellation acknowledged or if the acknowledgement fails due to the service provider not being authorized to perform the action. The subscriptionOldSP CancellationTimeStamp will be updated to the current time if the action is successful and the
	Preconditions: This action was issued from an lnpSubscriptions object specifying the object or objects to be acknowledged by either the subscriptionVersionId, the subscriptionTN or a range of subscriptionTNS (where the stop TN in the range is greater than the start TN) and status. Postconditions: The service provider has acknowledged the subscription version. An error will be returned to the service provider if there is no version that can have cancellation acknowledged or if the acknowledgement fails due to the service provider not being authorized to perform the action. The subscriptionOldSP-CancellationTimeStamp will be updated to the current time if the action is successful and the version status will be changed to cancel.
	Preconditions: This action was issued from an InpSubscriptions object specifying the object or objects to be acknowledged by either the subscriptionVersionId, the subscriptionTN or a range of subscriptionTNs (where the stop TN in the range is greater than the start TN) and status. Postconditions: The service provider has acknowledged the subscription version. An error will be returned to the service provider if there is no version that can have cancellation acknowledged or if the acknowledgement fails due to the service provider not being authorized to perform the action. The subscriptionOldSP CancellationTimeStamp will be updated to the current time if the action is successful and the
	Preconditions: This action was issued from an lnpSubscriptions object specifying the object or objects to be acknowledged by either the subscriptionVersionId, the subscriptionTN or a range of subscriptionTNS (where the stop TN in the range is greater than the start TN) and status. Postconditions: The service provider has acknowledged the subscription version. An error will be returned to the service provider if there is no version that can have cancellation acknowledged or if the acknowledgement fails due to the service provider not being authorized to perform the action. The subscriptionOldSP-CancellationTimeStamp will be updated to the current time if the action is successful and the version status will be changed to cancel.
	<pre>Preconditions: This action was issued from an InpSubscriptions object specifying the object or objects to be acknowledged by either the subscriptionVersionId, the subscriptionTN or a range of subscriptionTNs (where the stop TN in the range is greater than the start TN) and status. Postconditions: The service provider has acknowledged the subscription version. An error will be returned to the service provider if there is no version that can have cancellation acknowledged or if the acknowledgement fails due to the service provider not being authorized to perform the action. The subscriptionOldSP CancellationTimeStamp will be updated to the current time if the action is successful and the version status will be changed to cancel. LNP Old Service Provider Subscription Version Create</pre>
	<pre>Description of the subscription was issued from an lnpSubscriptions object specifying the object or objects to be acknowledged by either the subscriptionVersionId, the subscriptionTN or a range of subscriptionTNs (where the stop TN in the range is greater than the start TN) and status.</pre> Postconditions: The service provider has acknowledged the subscription version. An error will be returned to the service provider if there is no version that can have cancellation acknowledged or if the acknowledgement fails due to the service provider not being authorized to perform the action. The subscriptionOldSP CancellationTimeStamp will be updated to the current time if the action is successful and the version status will be changed to cancel. LNP Old Service Provider Subscription Version Create
	Description of the acknowledgement fails due to the subscription version An error will be returned to the service provider if there is no version that can have cancellation acknowledged or if the acknowledgement fails due to the subscriptionOldSP CancellationTimeStamp will be updated to the current time if the action is successful and the version status will be changed to cancel.
	<pre>Dreconditions: This action was issued from an lnpSubscriptions object specifying the object or objects to be acknowledged by either the subscriptionVersionId, the subscriptionTN or a range of subscriptionTNs (where the stop TN in the range is greater than the start TN) and status.</pre> Postconditions: The service provider has acknowledged the subscription version. An error will be returned to the service provider if there is no version that can have cancellation acknowledged or if the acknowledgement fails due to the service provider not being authorized to perform the action. The subscriptionOldSP CancellationTimeStamp will be updated to the current time if the action is successful and the version status will be changed to cancel. LNP Old Service Provider Subscription Version Create ptionVersionOldSP Create ACTION VIOUR subscriptionVersionOldSP CreateDefinition,
	Description of the acknowledgement fails due to the subscription version An error will be returned to the service provider if there is no version that can have cancellation acknowledged or if the acknowledgement fails due to the subscriptionOldSP CancellationTimeStamp will be updated to the current time if the action is successful and the version status will be changed to cancel.
	<pre>Preconditions: This action was issued from an lnpSubscriptions object specifying the object or objects to be acknowledged by either the subscriptionVersionId, the subscriptionTN or a range of subscriptionTNs (where the stop TN in the range is greater than the start TN) and status.</pre> Postconditions: The service provider has acknowledged the subscription version. An error will be returned to the service provider if there is no version that can have cancellation acknowledged or if the acknowledgement fails due to the service provider not being authorized to perform the action. The subscriptionOldSP CancellationTimeStamp will be updated to the current time if the action is successful and the version status will be changed to cancel. LNP Old Service Provider Subscription Version Create ptionVersionOldSP Create ACTION AVIOUR subscriptionVersionOldSP CreateDefinition, subscriptionVersionOldSP CreateBehavior;
	Preconditions: This action was issued from an InpSubscriptions object specifying the object or objects to be acknowledged by either the subscriptionVersionId, the subscriptionTN or a range of subscriptionTNs (where the stop TN in the range is greater than the start TN) and status. Postconditions: The service provider has acknowledged the subscription version. An error will be returned to the service provider if there is no version that can have cancellation acknowledged or if the acknowledgement fails due to the service provider not being authorized to perform the action. The subscriptionOldSP CancellationTimeStamp will be updated to the current time if the action is successful and the version status will be changed to cancel. LNP Old Service Provider Subscription Version Create ptionVersionOldSP Create ACTION NVIOUR subscriptionVersionOldSP CreateDefinition, subscriptionVersionOldSP CreateDefinition, Subscription
	Preconditions: This action was issued from an InpSubscriptions object specifying the object or objects to be acknowledged by either the subscriptionVersionId, the subscriptionTN or a range of subscriptionTNs (where the stop TN in the range is greater than the start TN) and status. Postconditions: The service provider has acknowledged the subscription version. An error will be returned to the service provider if there is no version that can have cancellation acknowledged or if the acknowledgement fails due to the service provider not being authorized to perform the action. The subscriptionOldSP CancellationTimeStamp will be updated to the current time if the action is successful and the version status will be changed to cancel. ENP Old Service Provider Subscription Version Create StionVersionOldSP Create ACTION WIOUR subscriptionVersionOldSP CreateDefinition, subscriptionVersionOldSP CreateBehavior; CONFIRMED; I INFORMATION SYNTAX LNP ASN1.OldSP CreateAction;
	Preconditions: This action was issued from an InpSubscriptions object specifying the object or objects to be acknowledged by either the subscriptionVersionId, the subscriptionTN or a range of subscriptionTNs (where the stop TN in the range is greater than the start TN) and status. Postconditions: The service provider has acknowledged the subscription version. An error will be returned to the service provider if there is no version that can have cancellation acknowledged or if the acknowledgement fails due to the service provider not being authorized to perform the action. The subscriptionOldSP-CancellationTimeStamp will be updated to the current time if the action is successful and the version status will be changed to cancel. LNP Old Service Provider Subscription Version Create ptionVersionOldSP-Create ACTION AVIOUR subscriptionVersionOldSP-CreateDefinition, subscriptionVersionOldSP-CreateDefinition, H INFORMATION SYNTAX LNP-ASN1.OldSP-CreateAction, H REPLY SYNTAX LNP ASN1.OldSP-CreateReply;
	Preconditions: This action was issued from an InpSubscriptions object specifying the object or objects to be acknowledged by either the subscriptionVersionId, the subscriptionTN or a range of subscriptionTNs (where the stop TN in the range is greater than the start TN) and status. Postconditions: The service provider has acknowledged the subscription version. An error will be returned to the service provider if there is no version that can have cancellation acknowledged or if the acknowledgement fails due to the service provider not being authorized to perform the action. The subscriptionOldSP CancellationTimeStamp will be updated to the current time if the action is successful and the version status will be changed to cancel. ENP Old Service Provider Subscription Version Create StionVersionOldSP Create ACTION WIOUR subscriptionVersionOldSP CreateDefinition, subscriptionVersionOldSP CreateBehavior; CONFIRMED; I INFORMATION SYNTAX LNP ASN1.OldSP CreateAction;

subscriptionVers	ionOldSP-CreateDefinition BEHAVIOUR
The subs	criptionVersionOldSP-Create action is the action that is
used via	the SOA to NPAC SMS interface by the
	ice provider to create a new subscriptionVersionNPAC.
	ice provider to create a new subscription version wine.
<u> </u>	
subscriptionVers	ionOldSP-CreateBehavior BEHAVIOUR
DEFINED AS !	
	tions: This action was issued from an lnpSubscriptions
	<u>Creates can be performed provided there is only one</u>
	y active subscription or action failure will be returned.
041101101	
_, , ,	
	service provider must specify valid values for the
followin	<del>q attributes:</del>
	-
	tionTN or a valid subscriptionVersionTN-Range
	tionNewCurrentSP
	tionOldSP
÷	tionOldSP-DueDate
	tionOldSP-Authorization
	tionLNPType
Tf tho	ubscriptionOldSP-Authorization is false, the old service
provider	<pre>must specify a subscriptionStatusChangeCauseCode.</pre>
Post cond	itions: After this action has been executed if
	-specified passes validation, a pending subscription
	will exist in the NPAC SMS. These validations are
done as	follows:
aubaarir	tionTN or range of TNs are valid in a range open for
porting.	TN ranges must be specified where the stop TN in the
	greater than the start TN.
2	
	tionLNPType is specified as "LSPP" or "LISP".
	tionOldSP-DueDate is a future date. If not specified,
the time	defaults to 00:00.00.
ene enic	
	New SP are valid service providers in the NPAC SMS and
the new	service provider is not equal to the old service provider.
т.е	anisting monoion onions, and deting add to deal the '
	-existing version exists, validation will be done to insure
	old service provider previously specified is the same
as the e	xecutor of the action.
<b>T C</b> + 1	
	alidations succeed and a pending subscription version does
	t, a subscription version will be created with a status
of pendi	<del>ng.</del>
<u>-</u>	
1	
	alidations succeed and a pending subscription version
exists,	the old service provider create information will be applied
	xisting pending subscription version.
	meeting penating publicity of proton.
	alidations fail, a new subscription version will not
<del>be_creat</del>	ed if one does not exist. If one already existed it
	retained and an error returned.
witt be	recarned and an error recurned.

The action success or failure and reasons for failure will be
15.0 Notification Recovery Action
<pre>lnpNotificationRecovery ACTION</pre>
BEHAVIOUR
InpNotificationRecoveryBehavior;
WITH INFORMATION SYNTAX LNP-ASN1.NetworkNotificationRecoveryAction;
WITH REPLY SYNTAX LNP-ASN1.NetworkNotificationRecoveryReply;
<pre>lnpNotificationRecoveryDefinition BEHAVIOUR</pre>
The lnpNotificationRecovery action is the action that can be
used by the SOA or LSMS to recover notification information that
cannot be recovered by other means.
DEFINED AS !
control as true at association establishment.
Postconditions: After this action has been executed by the SOA or LSMS
— that occurred in the time range specified for the requesting system
(SOA or LSMS for the primary or associated SPID specified in the
access control. Notifications are forwarded in the action reply.
Notifications to be recovered are requested by time range. Time range
requests will be limited to a tunable range specified in the NPAC
SMS. All data in the download time period, regardless of the amount
The recovery of the SOA and LSMS notifications are independent
requests. Notifications can be recovered until the are
purged from the database. The tunable used to determine when to
purge the notifications is "Notify Log Retention Period" which
defaults to 90 days.

## 6.14 Notification Definitions

-- 1.0 LNP NPAC SMS Operational Information Notification

InpNPAC-SMS-Operational-Information NOTIFICATION
 BEHAVIOUR lnpNPAC-SMS-Operational-InformationBehavior;
 WITH INFORMATION SYNTAX LNP-ASN1.NPAC-SMS-Operational-Information
 AND ATTRIBUTE IDS

down-time downTime,
additional-down-time-information additionalDownTimeInformation,
ALGISTERED AS (LAR OIDS. THP HOUTTERCION I),
1npNPAC-SMS-Operational-InformationBehavior BEHAVIOUR
This notification contains information about the NPAC SMS's
stop date and time for the planned down time. It is sent to both the
-
2.0 LNP Subscription Audit Local SMS Discrepancy Report
subscriptionAudit-DiscrepancyRpt_NOTIFICATION
BEHAVIOUR subscriptionAudit DiscrepancyRptBehavior;
WITH INFORMATION SYNTAX LNP-ASN1.AuditDiscrepancyRpt
AND ATTRIBUTE IDS
tn auditDiscrepancyTn,
lsms-service-prov-id_auditDiscrepancyLSMS-SP-Id,
failure-reason auditDiscrepancyFailureReason,
-
subscriptionAudit-DiscrepancyRptBehavior BEHAVIOUR
This notification contains a report on a discrepancy found during
an audit. The discrepancy contains the subscription TN and Version
ID for which the discrepancy was found and the error. Valid
errors are:
audited susbcription version fields mismatched between NPAC SMS
and Local SMS; records missing in Local SMS; extra subscription
mismatch, the Local SMS value(s), and the NPAC SMS value(s)
with the Local SMS.
with the local shs.
The solid discourse activities and the back of the NDA C ONC
When audit discrepancy notifications are sent by the NPAC SMS,
the Local SMS create, modification, or deletion requests to correct
<u> </u>
-
subscriptionAuditResults NOTIFICATION
BEHAVIOUR subscriptionAuditResultsBehavior;
AND ATTRIBUTE IDS
failed-service-prov-list auditResultFailed-SP-List,
number-of-discrepancies auditResultNumberDiscrepancies,

<pre>access-control accessControl;</pre>
subscriptionAuditResultsBehavior BEHAVIOUR
This notification contains the results of an audit. It contains
the name of the audit, the number of discrepancies found during the
audit, the success or failure of the audit, and the time of audit
The audit status will be returned with the following priority
on the return values:
Low - no audit performed
Lowest - success
A higher priority status condition will override a lower. For
example, any error will override a 'no audit performed', and
conditions.
<u>!;</u>
4.0 LNP Subscription Version Cancellation Resolution Request
Notification
subscriptionVersionCancellationAcknowledgeRequest_NOTIFICATION
BEHAVIOUR subscriptionVersionCancellationAcknowledgeBehavior;
LNP-ASN1.VersionCancellationAcknowledgeRequest
access-control accessControl;
<pre>subscriptionVersionCancellationAcknowledgeBehavior BEHAVIOUR</pre>
a cancellation acknowledgement for a subscription <u>version</u> . The TN and the version id are sent.
6.0 LNP Subscription Version Donor Service Provider Customer
subscriptionVersionDonorSP-CustomerDisconnectDate NOTIFICATION
BEHAVIOUR subscriptionVersionDonorSP CustomerDisconnectDateBehavior;
AND ATTRIBUTE IDS
tn subscriptionTN,
version-id subscriptionVersionId,
service-prov-customer-disconnect-date
subscriptionCustomerDisconnectDate, service-prov-effective-release-date
<u> </u>
<u>access control accessControl;</u>

DEFINED AS !	ionDonorSP-CustomerDisconnectDateBehavior-BEHAVIOUR
	ification informs the donor service provider SOA
	ubscription version is being disconnected.
	the version id, customer disconnect date and
	e release date (optional) values are sent.
<u></u>	e rerease date (optional) values are sent.
• /	
7 0 LNP Subset	ription Version Local SMS Action Results
<del>bscriptionVers</del> :	ionLocalSMS-ActionResults NOTIFICATION
-	ubscriptionVersionLocalSMS-ActionResultsBehavior;
	FION SYNTAX LNP-ASN1.LocalSMS-ActionResults
AND ATTRIBUTE	E-IDS
actionId	-actionId.
	ctionResultsStatus,
	n-list failedTN-List,
	completion resultsCompletionTime,
	ntrol accessControl;
	S {LNP-OIDS.lnp-notification 7};
THOTOTOTOTO AC	(Int of both not the determinant of the second
bscriptionVersi	ionLocalSMS-ActionResultsBehavior BEHAVIOUR
- DEFINED AS !	
	ification contains the results of a
	tionVersionLocalSMS-Create action from a Local SMS.
-	ins the id of the create action, the success
foilur	
	re of the action, the completion time and the an list of failed subscription TNs and error codes
optional 	re of the action, the completion time and the an
optional 	re of the action, the completion time and the an list of failed subscription TNs and error codes
optional 	re of the action, the completion time and the an list of failed subscription TNs and error codes
optional 	re of the action, the completion time and the an list of failed subscription TNs and error codes iption Version New NPA-NXX Notification
optional 	re of the action, the completion time and the an list of failed subscription TNs and error codes iption Version New NPA NXX Notification ionNewNPA NXX NOTIFICATION ubscriptionVersionNewNPA NXXBehavior;
optional 	re of the action, the completion time and the an list of failed subscription TNs and error codes iption Version New NPA NXX Notification ionNewNPA NXX NOTIFICATION ubscriptionVersionNewNPA NXXBehavior;
optional 	re of the action, the completion time and the an list of failed subscription TNs and error codes iption Version New NPA NXX Notification ionNewNPA NXX NOTIFICATION ubscriptionVersionNewNPA NXXBehavior; FION SYNTAX .VersionNewNPA-NXX
optional .; 8.0 LNP Subscri bscriptionVersi BEHAVIOUR su WITH INFORMAT LNP ASN1. AND ATTRIBUTE	re of the action, the completion time and the an list of failed subscription TNs and error codes iption Version New NPA NXX Notification ionNewNPA NXX NOTIFICATION ubscriptionVersionNewNPA NXXBehavior; FION SYNTAX .VersionNewNPA-NXX
optional 	re of the action, the completion time and the an list of failed subscription TNs and error codes iption Version New NPA-NXX Notification ionNewNPA-NXX NOTIFICATION ubscriptionVersionNewNPA-NXXBehavior; FION SYNTAX .VersionNewNPA-NXX E IDS prov-npa-nxx-id serviceProvNPA-NXX-ID,
optional 	re of the action, the completion time and the an list of failed subscription TNs and error codes iption Version New NPA-NXX Notification ionNewNPA-NXX NOTIFICATION abscriptionVersionNewNPA-NXXBehavior; FION SYNTAX .VersionNewNPA-NXX E-IDS prov-npa-nxx-id serviceProvNPA-NXX-ID, prov-npa-nxx-value serviceProvNPA-NXX-Value,
optional 	re of the action, the completion time and the an list of failed subscription TNs and error codes iption Version New NPA-NXX Notification ionNewNPA-NXX NOTIFICATION ubscriptionVersionNewNPA-NXXBehavior; FION SYNTAX .VersionNewNPA-NXX E IDS prov-npa-nxx-id serviceProvNPA-NXX-ID,
optional 	re of the action, the completion time and the an list of failed subscription TNs and error codes iption Version New NPA-NXX Notification ionNewNPA-NXX NOTIFICATION ubscriptionVersionNewNPA-NXXBehavior; FION SYNTAX .VersionNewNPA-NXX E-IDS prov-npa-nxx-id serviceProvNPA-NXX-ID, prov-npa-nxx value serviceProvNPA-NXX-Value, prov-npa-nxx effective-time-stamp
optional 	re of the action, the completion time and the an list of failed subscription TNs and error codes iption Version New NPA-NXX Notification ionNewNPA-NXX NOTIFICATION ubscriptionVersionNewNPA-NXXBehavior; FION SYNTAX .VersionNewNPA-NXX E-IDS prov-npa-nxx-id serviceProvNPA-NXX-ID, prov-npa-nxx value serviceProvNPA NXX Value, prov-npa-nxx effective time stamp eProvNPA-NXX EffectiveTimeStamp,
optional 	re of the action, the completion time and the an list of failed subscription TNs and error codes iption Version New NPA-NXX Notification ionNewNPA-NXX NOTIFICATION ubscriptionVersionNewNPA-NXXBehavior; FION SYNTAX .VersionNewNPA-NXX E IDS prov-npa-nxx-id serviceProvNPA-NXX-ID, prov-npa-nxx-effective-time-stamp aProvNPA-NXX EffectiveTimeStamp, prov-id serviceProvID, pontrol-accessControl;
optional 	re of the action, the completion time and the an list of failed subscription TNs and error codes iption Version New NPA-NXX Notification ionNewNPA-NXX NOTIFICATION ubscriptionVersionNewNPA-NXXBehavior; FION SYNTAX .VersionNewNPA-NXX E IDS prov-npa-nxx-id serviceProvNPA-NXX-ID, prov-npa-nxx-effective-time-stamp eProvNPA-NXX EffectiveTimeStamp, prov-id serviceProvID,
optional 	re of the action, the completion time and the an list of failed subscription TNs and error codes iption Version New NPA NXX Notification ionNewNPA NXX NOTIFICATION ubscriptionVersionNewNPA NXXBehavior; FION SYNTAX .VersionNewNPA NXX E-IDS prov-npa-nxx-id serviceProvNPA-NXX-ID, prov-npa-nxx value serviceProvNPA NXX Value, prov npa nxx effective time stamp eProvNPA NXX EffectiveTimeStamp, prov-id serviceProvID, ontrol accessControl; S (LNP-OIDS.lnp-notification 8);
optional 	re of the action, the completion time and the an list of failed subscription TNs and error codes iption Version New NPA-NXX Notification ionNewNPA-NXX NOTIFICATION ubscriptionVersionNewNPA-NXXBehavior; FION SYNTAX .VersionNewNPA-NXX E IDS prov-npa-nxx-id serviceProvNPA-NXX-ID, prov-npa-nxx-effective-time-stamp aProvNPA-NXX EffectiveTimeStamp, prov-id serviceProvID, pontrol-accessControl;
optional 	re of the action, the completion time and the an list of failed subscription TNs and error codes iption Version New NPA-NXX Notification ionNewNPA-NXX NOTIFICATION abscriptionVersionNewNPA-NXXBehavior; FION SYNTAX VersionNewNPA-NXX E-IDS prov-npa-nxx-id serviceProvNPA-NXX-ID, prov-npa-nxx value serviceProvNPA-NXX Value, prov-npa-nxx effective time stamp eProvNPA-NXX EffectiveTimeStamp, orow-id serviceProvID, ontrol accessControl; S (LNP-OIDS.lnp-notification 8);
optional 	re of the action, the completion time and the an list of failed subscription TNs and error codes iption Version New NPA-NXX Notification ionNewNPA-NXX NOTIFICATION ubscriptionVersionNewNPA-NXXBehavior; FION SYNTAX .VersionNewNPA-NXX E-IDS prov-npa-nxx-id serviceProvNPA-NXX-ID, prov-npa-nxx-id serviceProvNPA-NXX-Value, prov-npa-nxx-effective-time stamp eProvNPA-NXX EffectiveTimeStamp, prov-id serviceProvID, ontrol accessControl; S (LNP-OIDS.lnp-notification 8); ionNewNPA-NXXBehavior BEHAVIOUR
optional 	re of the action, the completion time and the an list of failed subscription TNs and error codes iption Version New NPA-NXX Notification ionNewNPA-NXX NOTIFICATION ubscriptionVersionNewNPA-NXXBehavior; FION SYNTAX .VersionNewNPA-NXX E-IDS prov-npa-nxx-id serviceProvNPA-NXX-ID, prov-npa-nxx value serviceProvNPA-NXX Value, prov-npa-nxx effective-time stamp eProvNPA-NXX EffectiveTimeStamp, prov-id serviceProvID, pntrol accessControl; S (LNP-OIDS.lnp-notification 8); ionNewNPA-NXXBehavior BEHAVIOUR ification informs the SOA and Local SMS of a pending tion version involving a new NPA-NXX. The
optional 	re of the action, the completion time and the an list of failed subscription TNs and error codes iption Version New NPA-NXX Notification ionNewNPA-NXX NOTIFICATION ubscriptionVersionNewNPA-NXXBehavior; FION SYNTAX .VersionNewNPA-NXX E-IDS prov-npa-nxx-id serviceProvNPA-NXX-ID, prov-npa-nxx-id serviceProvNPA-NXX-Value, prov-npa-nxx effective time stamp eProvNPA-NXX EffectiveTimeStamp, prov-id serviceProvID, ontrol accessControl; S (LNP-OIDS.lnp-notification 8); ionNewNPA-NXXBehavior DEHAVIOUR ification informs the SOA and Local SMS of a pending tion version involving a new NPA-NXX. The prov-npa-nxx-id, service-prov-npa-nxx-value,
optional 	re of the action, the completion time and the an list of failed subscription TNs and error codes iption Version New NPA-NXX Notification ionNewNPA-NXX NOTIFICATION ubscriptionVersionNewNPA-NXXBehavior; FION_SYNTAX .VersionNewNPA-NXX E-IDS prov-npa-nxx-id_serviceProvNPA-NXX-ID, prov-npa-nxx-value_serviceProvNPA-NXX Value, prov-npa-nxx effective_time_stamp eProvNPA-NXX EffectiveTimeStamp, porv-id_serviceProvID, ontrol_accessControl; S_{LNP-OIDS.lnp-notification_8}; ionNewNPA-NXXBehavior_BEHAVIOUR ification_informs_the_SOA and Local_SMS of a pending tion_version_involving a new NPA-NXXThe prov-npa-nxx-id, service_prov-npa-nxx-value, prov-npa-nxx-effective_time_stamp_and_service-prov-id
optional 	re of the action, the completion time and the an list of failed subscription TNs and error codes iption Version New NPA-NXX Notification ionNewNPA-NXX NOTIFICATION ubscriptionVersionNewNPA-NXXBehavior; FION_SYNTAX .VersionNewNPA-NXX E-IDS prov-npa-nxx-id_serviceProvNPA-NXX-ID, prov-npa-nxx-value_serviceProvNPA-NXX Value, prov-npa-nxx effective_time_stamp eProvNPA-NXX EffectiveTimeStamp, porv-id_serviceProvID, ontrol_accessControl; S_{LNP-OIDS.lnp-notification_8}; ionNewNPA-NXXBehavior_BEHAVIOUR ification_informs_the_SOA and Local_SMS of a pending tion_version_involving a new NPA-NXXThe prov-npa-nxx-id, service_prov-npa-nxx-value, prov-npa-nxx-effective_time_stamp_and_service-prov-id
optional 	<pre>re of the action, the completion time and the an list of failed subscription TNs and error codes iption Version New NPA NXX Notification ionNewNPA NXX NOTIFICATION abscriptionVersionNewNPA NXXBehavior; FION SYNTAX .VersionNewNPA NXX E-IDS prov npa nxx-id serviceProvNPA NXX-ID; prov npa nxx-value serviceProvNPA NXX Value; prov npa nxx effective time stamp eProvNPA NXX EffectiveTimeStamp; prov-id serviceProvID; ontrol accessControl; S (LNP-OIDS.lnp-notification 8); ionNewNPA NXXBehavior DEHAVIOUR ification informs the SOA and Local SMS of a pending tion version involving a new NPA NXX. The prov-npa nxx-id, service-prov-npa nxx-value; prov-npa nxx-id, service-prov-npa nxx-value; prov-npa nxx-effective-time-stamp and service-prov-id .</pre>
optional 	<pre>re of the action, the completion time and the an list of failed subscription TNs and error codes iption Version New NPA NXX Notification ionNewNPA NXX NOTIFICATION abscriptionVersionNewNPA NXXBehavior; FION SYNTAX .VersionNewNPA NXX E-IDS prov npa nxx-id serviceProvNPA NXX-ID, prov npa nxx-id serviceProvNPA NXX-Value, prov npa nxx effective-time-stamp eProvNPA NXX EffectiveTimeStamp, prov-id serviceProvID, ontrol accessControl; S (LNP-OIDS.lnp-notification 8); ionNewNPA NXXBehavior DEHAVIOUR ification informs the SOA and Local SMS of a pending tion version involving a new NPA NXX. The prov-npa-nxx-id, service-prov-npa-nxx-value; prov-npa-nxx-id, service-prov-npa-nxx-value; prov-npa-nxx-effective-time-stamp and service-prov-id .</pre>
optional 	<pre>re of the action, the completion time and the an list of failed subscription TNs and error codes iption Version New NPA NXX Notification ionNewNPA NXX NOTIFICATION abscriptionVersionNewNPA NXXBehavior; FION SYNTAX .VersionNewNPA NXX E-IDS prov npa nxx-id serviceProvNPA NXX-ID, prov npa nxx-id serviceProvNPA NXX-Value, prov npa nxx effective-time-stamp eProvNPA NXX EffectiveTimeStamp, prov-id serviceProvID, ontrol accessControl; S (LNP-OIDS.lnp-notification 8); ionNewNPA NXXBehavior DEHAVIOUR ification informs the SOA and Local SMS of a pending tion version involving a new NPA NXX. The prov-npa-nxx-id, service-prov-npa-nxx-value; prov-npa-nxx-id, service-prov-npa-nxx-value; prov-npa-nxx-effective-time-stamp and service-prov-id .</pre>

9.0 LNP Subscription Version New SP Create Request Notification	
- J.O LNI Subscription Version New Sr Create Request Notrication	
subscriptionVersionNewSP-CreateRequest NOTIFICATION	
BEHAVIOUR subscriptionVersionNewSP-CreateRequestBehavior;	
WITH INFORMATION SYNTAX LNP-ASN1.VersionNewSP-CreateRequest	
tn subscriptionTN,	
±	
service-prov-id subscriptionOldSP,	
service-prov-due-date subscriptionOldSP-DueDate,	
<pre>service-prov-old-authorization subscriptionOldSP-Authorization,</pre>	
<pre>status-change-cause-code subscriptionStatusChangeCauseCode,</pre>	
access-control accessControl,	
<pre>subscription-timer-type subscriptionTimerType,</pre>	
subscription-business-type subscriptionBusinessType;	
subscriptionVersionNewSP-CreateRequestBehavior BEHAVIOUR	
DEFINED AS !	
This notification requests that a new service provider send	
a create request for a subscription version for which	
concurrence for porting the number has not been received.	
The TN, the version id and the old service provider id,	
authorization flag and authorization timestamp values are sent.	
If the new service provider supports timer type, it will be sent.	
	<del>nt.</del>
10.0 LNP Subscription Version Old SP Concurrence Request Notification	
10.0 INI Subscription version old SI concurrence Request Notification	
subscriptionVersionOldSP-ConcurrenceRequest NOTIFICATION	
BEHAVIOUR subscriptionVersionOldSP-ConcurrenceRequestBehavior;	
WITH INFORMATION SYNTAX LNP-ASN1.VersionOldSP-ConcurrenceRequest	
AND ATTRIBUTE IDS	
version-id subscriptionVersionId,	
service-prov-id subscriptionNewCurrentSP,	
<pre>subscriptionNewSP-CreationTimeStamp,</pre>	
access-control accessControl,	
subscription-timer-type subscriptionTimerType,	
<pre>subscription_business_type_subscriptionBusinessType;</pre>	
subscriptionVersionOldSP-ConcurrenceRequestBehavior BEHAVIOUR	
This notification requests that a old service provider send	
a create request for a subscription version for which	
concurrence for porting the number has not been received.	
The TN, the version id, and the new service provider id,	
authorization flag and creation timestamp values are sent. If	
the old service provider supports timer type, it will be sent. If	Ę
	-

the old service provider supports business type, it will be sent.
<u> </u>
11.0 LNP Subscription Version Status Attribute Value Change Notification
11.0 INI Subscription version Status Attribute value change Notification
subscriptionVersionStatusAttributeValueChange NOTIFICATION
BEHAVIOUR subscriptionVersionStatusAttributeValueChangeBehavior;
WITH INFORMATION SYNTAX LNP-ASN1.VersionStatusAttributeValueChange
<pre>value-change-info subscriptionVersionAttributeValueChangeInfo,</pre>
failed-service-provs subscriptionFailed-SP-List,
access-control accessControl;
<pre>subscriptionVersionStatusAttributeValueChangeBehavior BEHAVIOUR</pre>
This notification type is used to report changes to the
subscriptionVersionStatus field. It is identical to an
attribute value change notification as defined in M.3100
except for the addition of the list of failed service
providers in cases where the version status is active, failed or
partially failed and the subscriptionStatusChangeCauseCode if
it is set.
Failed lists will also be potentially sent for subscription versions
with statuses of disconnect-pending and old.
<u> </u>
12.0 LNP Subscription Version Old SP Final Concurrence Timer Expiration
Notification
Notification
subscriptionVersionOldSPFinalConcurrenceWindowExpiration NOTIFICATION
${\tt subscriptionVersionOldSPFinalConcurrenceWindowExpirationBehavior;}$
WITH INFORMATION SYNTAX
LNP-ASN1.VersionOldSPFinalConcurrenceWindowExpiration
version-id subscriptionVersionId,
access-control accessControl,
access-control accessControl,
<pre>access-control accessControl,     subscription-timer-type subscriptionTimerType,</pre>
<pre>access_control_accessControl, subscription_timer_type_subscriptionTimerType, subscription_business_type_subscriptionBusinessType;</pre>
<pre>access-control accessControl,     subscription-timer-type subscriptionTimerType,</pre>
access-control accessControl, subscription-timer-type subscriptionTimerType, subscription business-type subscriptionBusinessType; REGISTERED AS {LNP-OIDS.lnp-notification 12};
access-control accessControl, subscription-timer-type subscriptionTimerType, subscription business-type subscriptionBusinessType; REGISTERED AS {LNP-OIDS.lnp-notification 12};
access-control accessControl,         subscription-timer-type subscriptionTimerType,         subscription-business-type subscriptionBusinessType;         REGISTERED AS (LNP-OIDS.lnp-notification 12);         subscriptionVersionOldSPFinalConcurrenceWindowExpirationBehavior_BEHAVIOUR
<pre>access control accessControl, subscription timer type subscriptionTimerType, subscription business type subscriptionBusinessType; REGISTERED AS (LNP-OIDS.lnp-notification 12); subscriptionVersionOldSPFinalConcurrenceWindowExpirationBehavior BEHAVIOUR DEFINED AS !</pre>
access control accessControl,         subscription timer type subscriptionTimerType,         subscription business type subscriptionBusinessType;         REGISTERED AS (LNP-OIDS.lnp notification 12);         subscriptionVersionOldSPFinalConcurrenceWindowExpirationBehavior BEHAVIOUR         DEFINED AS !         This notification will be sent by the NPAC SMS upon expiration of
access control accessControl,         subscription timer type subscriptionTimerType,         subscription business type subscriptionBusinessType;         REGISTERED AS (LNP-OIDS.lnp notification 12);         subscriptionVersionOldSPFinalConcurrenceWindowExpirationBehavior BEHAVIOUR         DEFINED AS !         This notification will be sent by the NPAC SMS upon expiration of
access control accessControl,         subscription timer type subscriptionTimerType,         subscription business type subscriptionBusinessType;         REGISTERED AS (LNP-OIDS.lnp notification 12);         subscriptionVersionOldSPFinalConcurrenceWindowExpirationBehavior BEHAVIOUR         DEFINED AS !         This notification will be sent by the NPAC SMS upon expiration of the Final Concurrence Timer to the old service provider via the SOA
<pre>access control accessControl,</pre>

September 1December 3, 1999January 28, 2000NANC Version 2.0.23.0.0 Release 3.0: © 1997, 1998, 1999, 2000 LOCKHEED MARTIN IMS CORPORATIONNeuStar, Inc.

# 7 General ASN.1 Definitions

### 7.1 Overview

The ASN.1 definitions provided below support the GDMO definitions in Section 6. Included below are the ASN.1 object identifier definitions and the syntax definitions for the interface attributes, notifications, and actions.

Note: The exact lengths must be specified for ASN.1 data send across the interface. This will prevent trailing null characters that may not be accepted by some CMIP vendor products.

## 7.2 LNP ASN.1 Object Identifier Definitions

--#include "smi.asn" LNP-OIDS {iso(1) org(3) dod(6) internet(1) private(4) enterprises(1) lockheedMartin(103) cis(7) npac(0) iis(0) oids(0) } DEFINITIONS ::= BEGIN -- EXPORTS all definitions lnp-npac OBJECT IDENTIFIER ::= {iso(1) org(3) dod(6) internet(1) private(4) enterprises(1) lockheedMartin(103) cis(7) npac(0) } lnp-npac-iis OBJECT IDENTIFIER ::= {lnp-npac iis(0)} -- If additional MIB specializations are needed (e.g. regional or vendor -- specific implementations) object identifiers can be added at the npac level (e.g. -- {lnp-npac special(1)}, etc.) -- LNP NPAC SMS categories of Interoperable Interface Specification (IIS) -- information objects lnp-attribute OBJECT IDENTIFIER ::= {lnp-npac-iis attribute(2) Inp-objectClass OBJECT IDENTIFIER ::= {lnp-npac-iis objectClass(3) lnp-nameBinding OBJECT IDENTIFIER ::= {lnp-npac-iis nameBinding(4) Inp-notification OBJECT IDENTIFIER ::= {lnp-npac-iis notification(5) lnp-action OBJECT IDENTIFIER ::= {lnp-npac-iis action(6) } lnp-package OBJECT IDENTIFIER :== {lnp-npac-iis package(7) lnp-parameter OBJECT IDENTIFIER ::= {lnp-npac-iis parameter(8) **END -- LNP-OIDS** 

```
-#include "smi.asn"
LNP-OIDS
 -{iso(1) org(3) dod(6) internet(1) private(4) enterprises(1)
  -lockheedMartin(103) cis(7) npac(0) iis(0) oids(0)}
DEFINITIONS ::=
BEGIN
 - EXPORTS all definitions
lnp-npac OBJECT IDENTIFIER ::=
  {iso(1) org(3) dod(6) internet(1) private(4) enterprises(1)
  -lockheedMartin(103) cis(7) npac(0)}
lnp-npac-iis OBJECT IDENTIFIER ::=
 {lnp-npac iis(0)}
  If additional MIB specializations are needed (e.g. regional or vendor
  specific implementations) object identifiers can be added at the npac level
<del>(e.g.</del>
  {lnp-npac special(1)}, etc.)
-- LNP NPAC SMS categories of Interoperable Interface Specification (IIS)
 - information objects
inp attribute OBJECT IDENTIFIER ::= {lnp npac iis attribute(2) }
inp-objectClass OBJECT IDENTIFIER ::= {lnp-npac-iis objectClass(3) }
lnp-nameBinding OBJECT IDENTIFIER ::= {lnp-npac-iis nameBinding(4) }
lnp-notification OBJECT IDENTIFIER ::= {lnp-npac-iis notification(5) }
Inp-action OBJECT IDENTIFIER ::= {lnp-npac-iis action(6) }
lnp-package OBJECT IDENTIFIER ::= {lnp-npac-iis package(7) }
inp parameter OBJECT IDENTIFIER ::= {lnp npac iis parameter(8) }
END -- LNP-OIDS
```

## 7.3 LNP General ASN.1 Definitions

```
LNP-ASN1
{iso(1) org(3) dod(6) internet(1) private(4) enterprises(1)
lockheed(103) cis(7) npac(0) iis(0) asn1(1)}
```

DEFINITIONS IMPLICIT TAGS ::= BEGIN

-- EXPORTS everything

IMPORTS

-- CMIP

<u>ObjectClass, ObjectInstance</u> FROM CMIP-1 {joint-iso-ccitt ms(9) cmip(1) modules(0) protocol(3)}

-- DMI

```
ActivateAction ::= SubscriptionVersionAction
<u>ActionResultsStatus ::= ResultsStatus</u>
ActivateReply ::= SubscriptionVersionActionReply
AddressInformation ::= SEQUENCE {
    line1 GraphicString40,
    line2 GraphicString40,
    city GraphicString20,
          GraphicString(SIZE(2)),
    state
   zip GraphicString(SIZE(9)),
   province GraphicString(SIZE(2)),
   country GraphicString20,
   contactPhone PhoneNumber,
   contact GraphicString40,
    contactFax PhoneNumber,
    contactPager PhoneNumber,
   contactPagerPIN DigitString, -- value should be no more than 10 digits
   <u>contactE-mail GraphicString60</u>
}
AssociationFunction ::= SEQUENCE {
    soaUnits SoaUnits,
    lsmsUnits LSMSUnits
}
AuditAttributes ::= CHOICE {
    specific-audit [0] SEQUENCE {
        lidb-data BOOLEAN,
        class-data BOOLEAN,
        cnam-data BOOLEAN,
        isvm-data BOOLEAN,
        lrn-data BOOLEAN,
       wsmsc-data BOOLEAN OPTIONAL -- Optional for backward compatability
    }_
    all-data [1] NULL
}
AuditDiscrepancyRpt ::= SEQUENCE {
    tn PhoneNumber,
   version-id SubscriptionVersionId,
    lsms-service-prov-id ServiceProvId,
    failure-reason AuditFailureData,
    access-control LnpAccessControl
}
AuditDiscrepancyRptRecovery ::= SEQUENCE {
    tn PhoneNumber,
   version-id SubscriptionVersionId,
    lsms-service-prov-id ServiceProvId,
    failure-reason AuditFailureData
}
AuditFailureData ::= CHOICE {
    tn-version-missing-NPAC [0] NULL,
    tn-version-missing-LSMS [1] NULL,
```

```
mismatch-data [2] MismatchAttributes
}
AuditId ::= LnpKey
AuditName ::= GraphicString40
AuditNumberOfTNs ::= INTEGER
AuditNumberOfTNsComplete ::= INTEGER
AuditResults ::= SEQUENCE {
    status [0] AuditResultStatus,
    failed-service-prov-list [1] Failed-SP-List OPTIONAL,
   number-of-discrepancies [2] INTEGER,
    time-of-completion [3] GeneralizedTime,
    access-control [4] LnpAccessControl
}
AuditResultsRecovery ::= SEQUENCE {
   status [0] AuditResultStatus,
    failed-service-prov-list [1] Failed-SP-List OPTIONAL,
   number-of-discrepancies [2] INTEGER,
    time-of-completion [3] GeneralizedTime
}
AuditResultStatus ::= ENUMERATED {
    success (0),
    failed-due-to-discrepancies (1),
    failed-on-local-sms (2),
   no-audit-performed (3)
}
AuditServiceProvIdRange ::= CHOICE {
    allServiceProvs [0] NULL,
    serviceProv [1] ServiceProvName - ServiceProvId value allowed
}
AuditStatus ::= ENUMERATED {
    in-progress (0),
    suspended (1),
   complete (2)
}
AuditTN-ActivationRange ::= TimeRange
BillingId ::= CHOICE {
   value [0] GraphicString4,
   no-value-needed [1] NULL
BlockDownloadCriteria ::= CHOICE {
    time-range [0] TimeRange,
    block-npa-nxx-x [1] NPA-NXX-X,
    block-npa-nxx-x-range [2] NPA-NXX-X-Range
}
```

BlockDownloadData ::= SET OF SEQUENCE {

```
block-id [0] BlockId,
    block-npa-nxx-x [1] NPA-NXX-X OPTIONAL,
    block-holder-sp [2] ServiceProvId OPTIONAL,
    block-activation-timestamp [3] GeneralizedTime OPTIONAL,
    block-lrn [4] LRN OPTIONAL,
   block-class-dpc [5] EXPLICIT DPC OPTIONAL,
   block-class-ssn [6] EXPLICIT SSN OPTIONAL,
    block-lidb-dpc [7] EXPLICIT DPC OPTIONAL,
    block-lidb-ssn [8] EXPLICIT SSN OPTIONAL,
   block-isvm-dpc [9] EXPLICIT DPC OPTIONAL,
    block-isvm-ssn [10] EXPLICIT SSN OPTIONAL,
    block-cnam-dpc [11] EXPLICIT DPC OPTIONAL,
   block-cnam-ssn [12] EXPLICIT SSN OPTIONAL,
   block-download-reason [13] DownloadReason,
   block-wsmsc-dpc [14] EXPLICIT DPC OPTIONAL,
   block-wsmsc-ssn [15] EXPLICIT SSN OPTIONAL
}
BlockId ::= LnpKey
BlockStatus ::= ENUMERATED {
    active (1),
    sending (3),
    download-failed (4),
    download-failed-partial (5),
    old (7)
}
Boolean ::= BOOLEAN
CancellationAcknowledgeAction ::= SubscriptionVersionAction
CancellationAcknowledgeReply ::= SubscriptionVersionActionReply
<u>CancelAction::= SubscriptionVersionAction</u>
CancelReply ::= SubscriptionVersionActionReply
DPC ::= CHOICE {
                    [0] OCTET STRING (SIZE(3)),
    dpc-value
    no-value-needed [1] NULL
}
<u>DigitString := GraphicString (FROM ("0" | "1" | "2" | "3" | "4" | "5" |</u>
                "6" | "7" | "8" | "9" | "*" | "#" ))
DisconnectAction::= SEQUENCE {
    subscription-version-action [0] EXPLICIT SubscriptionVersionAction,
    customer-disconnect-date [1] GeneralizedTime,
    effective-release-date [2] GeneralizedTime OPTIONAL
}
DisconnectReply ::= SEQUENCE {
    status SubscriptionVersionActionReply,
    version-id SET OF SubscriptionVersionId OPTIONAL
}
DownloadAction ::= CHOICE {
```

```
subscriber-download [0] EXPLICIT SubscriptionDownloadCriteria,
    network-download [1] NetworkDownloadCriteria,
   block-download [2] BlockDownloadCriteria
}
DownloadReason ::= ENUMERATED {
   new1 (0),
    delete1(1),
   modified (2),
   audit-discrepancy (3)
}
DownloadReply ::= SEQUENCE {
    status ENUMERATED {
        success (0),
        failed (1),
        time-range-invalid (2),
        criteria-to-large (3),
        no-data-selected (4)
    }_
    downloaddata CHOICE {
        subscriber-data [0] SubscriptionDownloadData,
        network-data [1] NetworkDownloadData,
       block-data [2] BlockDownloadData
    } OPTIONAL
}
EndUserLocationType ::= CHOICE {
   value [0] NumberString(SIZE(2)),
   no-value-needed [1] NULL
}
EndUserLocationValue ::= CHOICE
    value [0] NumberString(SIZE(1..12)),
   no-value-needed [1] NULL
}
Failed-SP-List ::= SET OF SEQUENCE {
    service-prov-id ServiceProvId,
    service-prov-name ServiceProvName
}
CMIPErrorCode ::= ENUMERATED {
   noSuchObjectClassEr (0),
   noSuchObjectInstanceEr (1),
    accessDeniedEr (2),
    syncNotSupportedEr (3),
    invalidFilterEr (4),
   noSuchAttributeEr (5),
    invalidAttributeValueEr (6),
   getListErrorEr (7),
   setListErorrEr (8),
   noSuchActionEr (9),
    processingFailureEr (10),
   duplicateManagedObjectInstanceEr (11),
   noSuchReferenceObjectEr (12),
   noSuchEventTypeEr (13),
   noSuchArgumentEr (14),
```

```
invalidArgumentValueEr (15),
    invalidScopeEr (16),
    invalidObjectInstanceEr (17),
    missingattributeValueEr (18),
    classInstanceConflictEr
                             (19),
    complexityLimitationEr (20),
    mistypedOperationEr (21),
    noSuchInvokeIdEr (22),
    operationCancelledEr (23)
}
FailedTN-List ::= SET OF SEQUENCE {
    subscriptionVersionId SubscriptionVersionId,
    tn PhoneNumber,
    errorId CMIPErrorCode
}
<u>GeneralTime ::= GeneralizedTime</u>
GraphicStringBase ::= GraphicString
<u>GraphicString4 ::= GraphicStringBase(SIZE(1..4))</u>
GraphicString16 ::= GraphicStringBase(SIZE(1..16))
GraphicString20 ::= GraphicStringBase(SIZE(1..20))
GraphicString25 ::= GraphicStringBase(SIZE(1..25))
GraphicString28 ::= GraphicStringBase(SIZE(1..28))
<u>GraphicString40 ::= GraphicStringBase(SIZE(1..40))</u>
GraphicString60 ::= GraphicStringBase(SIZE(1..60))
<u>GraphicString255 ::= GraphicStringBase(SIZE(1..255))</u>
Integer ::= INTEGER
LnpAccessControl ::= [0] SEQUENCE {
    systemId [0] EXPLICIT SystemID,
    systemType [1] SystemType,
    userId [2] GraphicString60 OPTIONAL,
    listId [3] INTEGER,
    keyId [4] INTEGER,
    cmipDepartureTime [5] GeneralizedTime,
    sequenceNumber [6] INTEGER (0..4294967295),
    function [7] AssociationFunction,
    recoveryMode [8] BOOLEAN,
    signature [9] BIT STRING
}
LnpAuditsName ::= GraphicString ("lnpAudits")
LnpKey ::= INTEGER
```

LnpNetworkName ::= GraphicString ("lnpNetwork")

```
LnpSMS-Name ::= GraphicString40
LnpServiceProvsName ::= GraphicString ("lnpServiceProvs")
LnpSubscriptionsName ::= GraphicString ("lnpSubscriptions")
LnpSpecificInfo ::= GraphicString255
LNPType ::= ENUMERATED {
    lspp (0),
    lisp (1),
   pool (2)
}
LocalSMS-ActionResults ::= SEQUENCE {
   actionId [0] INTEGER,
    status [1] ActionResultsStatus,
    failed-tn-list [2] FailedTN-List OPTIONAL,
   time-of-completion [3] GeneralizedTime,
   accessControl [4] LnpAccessControl
}
LocalSMS-CreateAction ::= SEQUENCE {
    actionId INTEGER,
    subscriptionVersionObjects SET OF SubscriptionVersionObject,
    tn-range TN-Range OPTIONAL -- used only on pooled ports for release 1.4
}
LocalSMS-CreateReply ::= ResultsStatus
LRN ::= CHOICE {
    value [0] OCTET STRING (SIZE(5)),
   no-value-needed [1] NULL
}
LRN-ID ::= LnpKey
LRN-DownloadData ::= SET OF SEQUENCE {
    service-prov-lrn-id LRN-ID,
    service-prov-lrn-value LRN OPTIONAL,
    service-prov-download-reason DownloadReason,
    service-prov-lrn-creation-timestamp GeneralizedTime OPTIONAL
}
LRN-Range ::= SEQUENCE {
  start-lrn LRN,
  <u>stop-lrn LRN</u>
}
LSMSUnits ::= SEQUENCE {
    dataDownload [0] NULL OPTIONAL,
    networkDataMgmt [1] NULL OPTIONAL,
    query [2] NULL OPTIONAL
}
MismatchAttributes ::= SEQUENCE {
```

<pre>lsms-subscriptionLRN LRN, npac-subscriptionLRN LRN ) OPTIONAL, seq1 [1] SEQUENCE { lsms-subscriptionNewCurrentSP ServiceProvId ) OPTIONAL, seq2 [2] SEQUENCE { lsms-subscriptionActivationTimeStamp GeneralizedTime, npac-subscriptionActivationTimeStamp GeneralizedTime ) OPTIONAL, seq3 [3] SEQUENCE { lsms-subscriptionCLASS-DPC DPC, npac-subscriptionCLASS-DPC DPC, } OPTIONAL, seq4 [4] SEQUENCE { lsms-subscriptionCLASS-SSN SSN, npac-subscriptionLASS-SSN SSN, } OPTIONAL, seq5 [5] SEQUENCE { lsms-subscriptionLIDB-DPC DPC, npac-subscriptionLIDB-DPC DPC, seq6 [6] SEQUENCE { lsms-subscriptionLIDB-SSN SSN, npac-subscriptionLIDB-SSN SSN, seq7 [7] SEQUENCE { lsms-subscriptionLIDB-SSN SSN, npac-subscriptionISVM-DPC DPC, npac-subscriptionISVM-DPC DPC, npac-subscriptionISVM-DPC DPC, npac-subscriptionISVM-DPC DPC, npac-subscriptionISVM-DPC DPC, npac-subscriptionISVM-DPC DPC, npac-subscriptionISVM-SSN SSN, npac-subscriptionISVM-SSN SSN, } OPTIONAL,</pre>
<pre></pre>
<pre> } OPTIONAL, seq1 [1] SEQUENCE {     lsms-subscriptionNewCurrentSP ServiceProvId,     npac-subscriptionNewCurrentSP ServiceProvId     oPTIONAL,     seq2 [2] SEQUENCE {         lsms-subscriptionActivationTimeStamp GeneralizedTime,         npac-subscriptionActivationTimeStamp GeneralizedTime         oPTIONAL,     seq3 [3] SEQUENCE {         lsms-subscriptionCLASS-DPC DPC,         npac-subscriptionCLASS-DPC DPC,         npac-subscriptionCLASS-DPC DPC,         npac-subscriptionCLASS-SSN SSN,         npac-subscriptionCLASS-SSN SSN,         npac-subscriptionLIDB-DPC DPC,         npac-subscriptionLIDB-DPC DPC,         npac-subscriptionLIDB-DPC DPC,         npac-subscriptionLIDB-DPC DPC,         npac-subscriptionLIDB-SSN SSN,         npac-subscriptionLIDB-SSN SSN,         npac-subscriptionIDB-SSN SSN,         npac-subscriptionISVM-DPC DPC,         npac-subscriptionISVM-DPC DPC,         npac-subscriptionISVM-DPC DPC,         npac-subscriptionISVM-SSN SSN,         npac-subscriptionISVM-SSN SSN </pre>
<pre>seq1 [1] SEQUENCE {     lsms-subscriptionNewCurrentSP ServiceProvId,     npac-subscriptionNewCurrentSP ServiceProvId     loPTIONAL,     seq2 [2] SEQUENCE {     lsms-subscriptionActivationTimeStamp GeneralizedTime,     npac-subscriptionActivationTimeStamp GeneralizedTime     l OPTIONAL,     seq3 [3] SEQUENCE {     lsms-subscriptionCLASS-DPC DPC,     npac-subscriptionCLASS-DPC DPC     l OPTIONAL,     seq4 [4] SEQUENCE {     lsms-subscriptionCLASS-SSN SSN,     npac-subscriptionLDB-DPC DPC,     npac-subscriptionLDB-DPC DPC,     npac-subscriptionLDB-DPC DPC,     npac-subscriptionLDB-DPC DPC,     npac-subscriptionLDB-DPC DPC,     npac-subscriptionLDB-SSN SSN,     npac-subscriptionLDB-SSN SSN,     npac-subscriptionLDB-SSN SSN,     loPTIONAL,     seq6 [6] SEQUENCE {     lsms-subscriptionLDB-SSN SSN,     npac-subscriptionLDB-SSN SSN,     npac-subscriptionLDB-SSN SSN,     l OPTIONAL,     seq7 [7] SEQUENCE {     lsms-subscriptionSVM-DPC DPC,     npac-subscriptionISVM-DPC DPC,     npac-subscriptionISVM-DPC DPC,     npac-subscriptionISVM-SSN SSN,     npac-subscriptionISVM-SSN SSN </pre>
<pre>lsms-subscriptionNewCurrentSP_ServiceProvId, npac-subscriptionNewCurrentSP_ServiceProvId } OPTIONAL, seq2 [2] SEQUENCE { lsms-subscriptionActivationTimeStamp_GeneralizedTime, npac-subscriptionActivationTimeStamp_GeneralizedTime } OPTIONAL, seq3 [3] SEQUENCE { lsms-subscriptionCLASS-DPC_DPC, npac-subscriptionCLASS-DPC_DPC } OPTIONAL, seq4 [4] SEQUENCE { lsms-subscriptionCLASS-SSN_SSN, npac-subscriptionCLASS-SSN_SSN, } OPTIONAL, seq5 [5] SEQUENCE { lsms-subscriptionLIDB-DPC_DPC, npac-subscriptionLIDB-DPC_DPC, npac-subscriptionLIDB-DPC_DPC, seq6 [6] SEQUENCE { lsms-subscriptionLIDB-SSN_SSN, npac-subscriptionLIDB-SSN_SSN, seq6 [6] SEQUENCE { lsms-subscriptionLIDB-SSN_SSN, npac-subscriptionLIDB-SSN_SSN, seq7 [7] SEQUENCE { lsms-subscriptionLIDB-SSN_SSN, } OPTIONAL, seq8 [8] SEQUENCE { lsms-subscriptionISVM-DPC_DPC, npac-subscriptionISVM-DPC_DPC } OPTIONAL, seq8 [8] SEQUENCE { lsms-subscriptionISVM-SSN_SSN, npac-subscriptionISVM-SSN_SSN, npac-subscriptionISVM-SSN_SSN, npac-subscriptionISVM-SSN_SSN,</pre>
<pre>npac-subscriptionNewCurrentSP_ServiceProvId } OPTIONAL, seq2 [2] SEQUENCE {     lsms-subscriptionActivationTimeStamp_GeneralizedTime,     npac-subscriptionActivationTimeStamp_GeneralizedTime } OPTIONAL, seq3 [3] SEQUENCE {     lsms-subscriptionCLASS-DPC_DPC,     npac-subscriptionCLASS-DPC_DPC } OPTIONAL, seq4 [4] SEQUENCE {     lsms-subscriptionCLASS-SSN_SSN,     npac-subscriptionLIDE-DPC_DPC,     npac-subscriptionLIDB-DPC_DPC,     npac-subscriptionLIDB-DPC_DPC,     npac-subscriptionLIDB-SSN_SSN,     npac-subscriptionLIDB-SSN_SSN,     npac-subscriptionLIDB-SSN_SSN,     npac-subscriptionLIDB-SSN_SSN,     npac-subscriptionLIDB-SSN_SSN,     npac-subscriptionLIDB-SSN_SSN,     loPTIONAL, seq7 [7] SEQUENCE {     lsms-subscriptionISVM-DPC_DPC,     npac-subscriptionISVM-DPC_DPC,     npac-subscriptionISVM-DPC_DPC,     npac-subscriptionISVM-DPC_DPC,     npac-subscriptionISVM-DPC_DPC,     npac-subscriptionISVM-SSN_SSN,     npac-subscriptionISVM-SSN_SSN,</pre>
<pre>} OPTIONAL, seq2 [2] SEQUENCE { lsms-subscriptionActivationTimeStamp GeneralizedTime, npac-subscriptionActivationTimeStamp GeneralizedTime } OPTIONAL, seq3 [3] SEQUENCE { lsms-subscriptionCLASS-DPC DPC, npac-subscriptionCLASS-DPC DPC } OPTIONAL, seq4 [4] SEQUENCE { lsms-subscriptionCLASS-SSN SSN, npac-subscriptionCLASS-SSN SSN, } OPTIONAL, seq5 [5] SEQUENCE { lsms-subscriptionLIDB-DPC DPC, npac-subscriptionLIDB-DPC DPC } OPTIONAL, seq6 [6] SEQUENCE { lsms-subscriptionLIDB-SSN SSN, npac-subscriptionLIDB-SSN SSN, seq6 [6] SEQUENCE { lsms-subscriptionLIDB-SSN SSN, npac-subscriptionLIDB-SSN SSN, seq7 [7] SEQUENCE { lsms-subscriptionLIDB-SSN SSN, npac-subscriptionISVM-DPC DPC, npac-subscriptionISVM-DPC DPC, npac-subscriptionISVM-DPC DPC, seq8 [8] SEQUENCE { lsms-subscriptionISVM-SSN SSN, npac-subscriptionISVM-SSN SSN, npac-subscriptionISVM-SSN SSN, npac-subscriptionISVM-SSN SSN, npac-subscriptionISVM-SSN SSN, npac-subscriptionISVM-SSN SSN, npac-subscriptionISVM-SSN SSN</pre>
<pre>seq2 [2] SEQUENCE {     lsms-subscriptionActivationTimeStamp GeneralizedTime,     npac-subscriptionActivationTimeStamp GeneralizedTime     l OPTIONAL,     seq3 [3] SEQUENCE {     lsms-subscriptionCLASS-DPC DPC,     npac-subscriptionCLASS-DPC DPC     l OPTIONAL,     seq4 [4] SEQUENCE {     lsms-subscriptionCLASS-SSN SSN,     npac-subscriptionLIDB-DPC DPC,     npac-subscriptionLIDB-DPC DPC,     npac-subscriptionLIDB-DPC DPC,     lsms-subscriptionLIDB-DPC DPC,     npac-subscriptionLIDB-SSN SSN,     npac-subscriptionLIDB-SSN SSN,     npac-subscriptionLIDB-SSN SSN,     lsms-subscriptionLIDB-SSN SSN } OPTIONAL,     seq3 [8] SEQUENCE {     lsms-subscriptionLISVM-DPC DPC,     lsms-subscriptionLISVM-SSN SSN,     lsms-subscriptionLISVM-SSN SSN,     lsms-subscriptionLISVM-SSN SSN,     lsms-subscriptionLISVM-SSN SSN,     lsms-subscriptionLISVM-SSN SSN,     lsms-subscriptionLISVM-SSN SSN </pre>
<pre>lsms-subscriptionActivationTimeStamp GeneralizedTime, npac-subscriptionActivationTimeStamp GeneralizedTime } OPTIONAL, seq3 [3] SEQUENCE { lsms-subscriptionCLASS-DPC DPC, npac-subscriptionCLASS-DPC DPC } OPTIONAL, seq4 [4] SEQUENCE { lsms-subscriptionCLASS-SSN SSN, npac-subscriptionCLASS-SSN SSN } OPTIONAL, seq5 [5] SEQUENCE { lsms-subscriptionLIDB-DPC DPC, npac-subscriptionLIDB-DPC DPC, seq6 [6] SEQUENCE { lsms-subscriptionLIDB-SSN SSN, npac-subscriptionLIDB-SSN SSN, npac-subscriptionLIDB-SSN SSN } OPTIONAL, seq7 [7] SEQUENCE { lsms-subscriptionISVM-DPC DPC, npac-subscriptionISVM-DPC DPC, seq8 [8] SEQUENCE { lsms-subscriptionISVM-DPC DPC, npac-subscriptionISVM-SSN SSN, npac-subscriptionISVM-SSN SSN, npac-subscriptionISVM-SSN SSN, npac-subscriptionISVM-SSN SSN, npac-subscriptionISVM-SSN SSN, npac-subscriptionISVM-SSN SSN, npac-subscriptionISVM-SSN SSN, npac-subscriptionISVM-SSN SSN,</pre>
<pre>npac-subscriptionActivationTimeStamp GeneralizedTime } OPTIONAL, seq3 [3] SEQUENCE { lsms-subscriptionCLASS-DPC DPC, npac-subscriptionCLASS-DPC DPC } OPTIONAL, seq4 [4] SEQUENCE { lsms-subscriptionCLASS-SSN SSN } OPTIONAL, seq5 [5] SEQUENCE { lsms-subscriptionLIDB-DPC DPC, npac-subscriptionLIDB-DPC DPC, npac-subscriptionLIDB-DPC DPC } OPTIONAL, seq6 [6] SEQUENCE { lsms-subscriptionLIDB-SSN SSN } OPTIONAL, seq7 [7] SEQUENCE { lsms-subscriptionISVM-DPC DPC, npac-subscriptionISVM-DPC DPC, seq8 [8] SEQUENCE { lsms-subscriptionISVM-SSN SSN, npac-subscriptionISVM-SSN SSN</pre>
<pre>} OPTIONAL, seq3 [3] SEQUENCE { lsms-subscriptionCLASS-DPC DPC, npac-subscriptionCLASS-DPC DPC } OPTIONAL, seq4 [4] SEQUENCE { lsms-subscriptionCLASS-SSN SSN, npac-subscriptionCLASS-SSN SSN } OPTIONAL, seq5 [5] SEQUENCE { lsms-subscriptionLIDB-DPC DPC, npac-subscriptionLIDB-DPC DPC } OPTIONAL, seq6 [6] SEQUENCE { lsms-subscriptionLIDB-SSN SSN, npac-subscriptionLIDB-SSN SSN, npac-subscriptionLIDB-SSN SSN, npac-subscriptionISVM-DPC DPC, npac-subscriptionISVM-DPC DPC, lsms-subscriptionISVM-DPC DPC, npac-subscriptionISVM-DPC DPC } OPTIONAL, seq8 [8] SEQUENCE { lsms-subscriptionISVM-SSN SSN, npac-subscriptionISVM-SSN SSN</pre>
<pre>seq3 [3] SEQUENCE {     lsms-subscriptionCLASS-DPC DPC,     npac-subscriptionCLASS-DPC DPC   } OPTIONAL,   seq4 [4] SEQUENCE {     lsms-subscriptionCLASS-SSN SSN,     npac-subscriptionCLASS-SSN SSN   } OPTIONAL,   seq5 [5] SEQUENCE {     lsms-subscriptionLIDB-DPC DPC,     npac-subscriptionLIDB-DPC DPC   } OPTIONAL,   seq6 [6] SEQUENCE {     lsms-subscriptionLIDB-SSN SSN,     npac-subscriptionLIDB-SSN SSN,     npac-subscriptionLIDB-SSN SSN,     lsms-subscriptionLIDB-SSN SSN,     lsms-subscriptionISVM-DPC DPC,     npac-subscriptionISVM-DPC DPC,     lsms-subscriptionISVM-DPC DPC,     lsms-subscriptionISVM-DPC DPC,     lsms-subscriptionISVM-DPC DPC,     lsms-subscriptionISVM-SSN SSN,     lsms-subscriptionISVM-SSN SSN,     npac-subscriptionISVM-SSN SSN,     npac-subscriptionISVM-SSN SSN,     npac-subscriptionISVM-SSN SSN,     lsms-subscriptionISVM-SSN SSN,     npac-subscriptionISVM-SSN SSN,     lsms-subscriptionISVM-SSN SSN,     npac-subscriptionISVM-SSN SSN,     lsms-subscriptionISVM-SSN SSN,     lsmaded text text text text text text text t</pre>
<pre>lsms-subscriptionCLASS-DPC DPC, npac-subscriptionCLASS-DPC DPC } OPTIONAL, seq4 [4] SEQUENCE { lsms-subscriptionCLASS-SSN SSN, npac-subscriptionCLASS-SSN SSN } OPTIONAL, seq5 [5] SEQUENCE { lsms-subscriptionLIDB-DPC DPC, npac-subscriptionLIDB-DPC DPC } OPTIONAL, seq6 [6] SEQUENCE { lsms-subscriptionLIDB-SSN SSN, npac-subscriptionLIDB-SSN SSN, } OPTIONAL, seq7 [7] SEQUENCE { lsms-subscriptionISVM-DPC DPC, npac-subscriptionISVM-DPC DPC, seq8 [8] SEQUENCE { lsms-subscriptionISVM-SSN SSN, npac-subscriptionISVM-SSN SSN, npac-subscriptionISVM-SSN SSN, npac-subscriptionISVM-SSN SSN,</pre>
<pre>npac-subscriptionCLASS-DPC DPC } OPTIONAL, seq4 [4] SEQUENCE {     lsms-subscriptionCLASS-SSN SSN,     npac-subscriptionCLASS-SSN SSN } OPTIONAL, seq5 [5] SEQUENCE {     lsms-subscriptionLIDB-DPC DPC,     npac-subscriptionLIDB-DPC DPC } OPTIONAL, seq6 [6] SEQUENCE {     lsms-subscriptionLIDB-SSN SSN,     npac-subscriptionLIDB-SSN SSN,     npac-subscriptionLIDB-SSN SSN,     npac-subscriptionLIDB-SSN SSN } OPTIONAL, seq7 [7] SEQUENCE {     lsms-subscriptionISVM-DPC DPC,     npac-subscriptionISVM-DPC DPC,     npac-subscriptionISVM-DPC DPC,     npac-subscriptionISVM-DPC DPC,     npac-subscriptionISVM-SSN SSN,     npac-subscriptionISVM-SSN SSN </pre>
<pre>} OPTIONAL, seq4 [4] SEQUENCE { lsms-subscriptionCLASS-SSN SSN, npac-subscriptionCLASS-SSN SSN } OPTIONAL, seq5 [5] SEQUENCE { lsms-subscriptionLIDB-DPC DPC, npac-subscriptionLIDB-DPC DPC } OPTIONAL, seq6 [6] SEQUENCE { lsms-subscriptionLIDB-SSN SSN, npac-subscriptionLIDB-SSN SSN, npac-subscriptionLIDB-SSN SSN } OPTIONAL, seq7 [7] SEQUENCE { lsms-subscriptionISVM-DPC DPC, npac-subscriptionISVM-DPC DPC, npac-subscriptionISVM-DPC DPC } OPTIONAL, seq8 [8] SEQUENCE { lsms-subscriptionISVM-SSN SSN, npac-subscriptionISVM-SSN SSN, npac-subscriptionISVM-SSN SSN, npac-subscriptionISVM-SSN SSN,</pre>
<pre>seq4 [4] SEQUENCE {     lsms-subscriptionCLASS-SSN SSN,     npac-subscriptionCLASS-SSN SSN   } OPTIONAL,   seq5 [5] SEQUENCE {     lsms-subscriptionLIDB-DPC DPC,     npac-subscriptionLIDB-DPC DPC   } OPTIONAL,   seq6 [6] SEQUENCE {     lsms-subscriptionLIDB-SSN SSN,     npac-subscriptionLIDB-SSN SSN,     npac-subscriptionISVM-DPC DPC,     npac-subscriptionISVM-DPC DPC,     npac-subscriptionISVM-DPC DPC,     npac-subscriptionISVM-DPC DPC,     lsms-subscriptionISVM-DPC DPC,     npac-subscriptionISVM-SSN SSN,     npac-subscriptionISVM-SSN SSN </pre>
<pre>lsms-subscriptionCLASS-SSN SSN, npac-subscriptionCLASS-SSN SSN } OPTIONAL, seq5 [5] SEQUENCE { lsms-subscriptionLIDB-DPC DPC, npac-subscriptionLIDB-DPC DPC } OPTIONAL, seq6 [6] SEQUENCE { lsms-subscriptionLIDB-SSN SSN, npac-subscriptionLIDB-SSN SSN } OPTIONAL, seq7 [7] SEQUENCE { lsms-subscriptionISVM-DPC DPC, npac-subscriptionISVM-DPC DPC } OPTIONAL, seq8 [8] SEQUENCE { lsms-subscriptionISVM-SSN SSN, npac-subscriptionISVM-SSN SSN, npac-subscriptionISVM-SSN SSN,</pre>
<pre>npac-subscriptionCLASS-SSN SSN } OPTIONAL, seq5 [5] SEQUENCE {     lsms-subscriptionLIDB-DPC DPC,     npac-subscriptionLIDB-DPC DPC } OPTIONAL, seq6 [6] SEQUENCE {     lsms-subscriptionLIDB-SSN SSN,     npac-subscriptionLIDB-SSN SSN } OPTIONAL, seq7 [7] SEQUENCE {     lsms-subscriptionISVM-DPC DPC,     npac-subscriptionISVM-DPC DPC,     lsms-subscriptionISVM-DPC DPC } OPTIONAL, seq8 [8] SEQUENCE {     lsms-subscriptionISVM-SSN SSN,     npac-subscriptionISVM-SSN SSN </pre>
<pre>} OPTIONAL, seq5 [5] SEQUENCE { lsms-subscriptionLIDB-DPC DPC, npac-subscriptionLIDB-DPC DPC } OPTIONAL, seq6 [6] SEQUENCE { lsms-subscriptionLIDB-SSN SSN, npac-subscriptionLIDB-SSN SSN } OPTIONAL, seq7 [7] SEQUENCE { lsms-subscriptionISVM-DPC DPC, npac-subscriptionISVM-DPC DPC } OPTIONAL, seq8 [8] SEQUENCE { lsms-subscriptionISVM-SSN SSN, npac-subscriptionISVM-SSN SSN, npac-subscriptionISVM-SSN SSN,</pre>
<pre>seq5 [5] SEQUENCE {     lsms-subscriptionLIDB-DPC DPC,     npac-subscriptionLIDB-DPC DPC   } OPTIONAL,   seq6 [6] SEQUENCE {     lsms-subscriptionLIDB-SSN SSN,     npac-subscriptionLIDB-SSN SSN   } OPTIONAL,   seq7 [7] SEQUENCE {     lsms-subscriptionISVM-DPC DPC,     npac-subscriptionISVM-DPC DPC   } OPTIONAL,   seq8 [8] SEQUENCE {     lsms-subscriptionISVM-SSN SSN,     npac-subscriptionISVM-SSN SSN </pre>
<pre>lsms-subscriptionLIDB-DPC DPC, npac-subscriptionLIDB-DPC DPC } OPTIONAL, seq6 [6] SEQUENCE { lsms-subscriptionLIDB-SSN SSN, npac-subscriptionLIDB-SSN SSN } OPTIONAL, seq7 [7] SEQUENCE { lsms-subscriptionISVM-DPC DPC, npac-subscriptionISVM-DPC DPC } OPTIONAL, seq8 [8] SEQUENCE { lsms-subscriptionISVM-SSN SSN, npac-subscriptionISVM-SSN SSN,</pre>
<pre>npac-subscriptionLIDB-DPC DPC } OPTIONAL, seq6 [6] SEQUENCE {     lsms-subscriptionLIDB-SSN SSN,     npac-subscriptionLIDB-SSN SSN } OPTIONAL, seq7 [7] SEQUENCE {     lsms-subscriptionISVM-DPC DPC,     npac-subscriptionISVM-DPC DPC } OPTIONAL, seq8 [8] SEQUENCE {     lsms-subscriptionISVM-SSN SSN,     npac-subscriptionISVM-SSN SSN,     npac-subscriptionISVM-SSN SSN,     npac-subscriptionISVM-SSN SSN,     npac-subscriptionISVM-SSN SSN,     npac-subscriptionISVM-SSN SSN,     npac-subscriptionISVM-SSN SSN</pre>
<pre>} OPTIONAL, seq6 [6] SEQUENCE { lsms-subscriptionLIDB-SSN SSN, npac-subscriptionLIDB-SSN SSN } OPTIONAL, seq7 [7] SEQUENCE { lsms-subscriptionISVM-DPC DPC, npac-subscriptionISVM-DPC DPC } OPTIONAL, seq8 [8] SEQUENCE { lsms-subscriptionISVM-SSN SSN, npac-subscriptionISVM-SSN SSN</pre>
<pre>seq6 [6] SEQUENCE {     lsms-subscriptionLIDB-SSN SSN,     npac-subscriptionLIDB-SSN SSN     } OPTIONAL,     seq7 [7] SEQUENCE {     lsms-subscriptionISVM-DPC DPC,     npac-subscriptionISVM-DPC DPC     } OPTIONAL,     seq8 [8] SEQUENCE {     lsms-subscriptionISVM-SSN SSN,     npac-subscriptionISVM-SSN SSN,     npac-subscriptionISVM-SSN SSN,     npac-subscriptionISVM-SSN SSN</pre>
<pre>lsms-subscriptionLIDB-SSN SSN, npac-subscriptionLIDB-SSN SSN } OPTIONAL, seq7 [7] SEQUENCE { lsms-subscriptionISVM-DPC DPC, npac-subscriptionISVM-DPC DPC } OPTIONAL, seq8 [8] SEQUENCE { lsms-subscriptionISVM-SSN SSN, npac-subscriptionISVM-SSN SSN</pre>
<pre>npac-subscriptionLIDB-SSN SSN } OPTIONAL, seq7 [7] SEQUENCE { lsms-subscriptionISVM-DPC DPC, npac-subscriptionISVM-DPC DPC } OPTIONAL, seq8 [8] SEQUENCE { lsms-subscriptionISVM-SSN SSN, npac-subscriptionISVM-SSN SSN</pre>
<pre>} OPTIONAL, seq7 [7] SEQUENCE { lsms-subscriptionISVM-DPC DPC, npac-subscriptionISVM-DPC DPC } OPTIONAL, seq8 [8] SEQUENCE { lsms-subscriptionISVM-SSN SSN, npac-subscriptionISVM-SSN SSN</pre>
<pre>seq7 [7] SEQUENCE {     lsms-subscriptionISVM-DPC DPC,     npac-subscriptionISVM-DPC DPC     } OPTIONAL,     seq8 [8] SEQUENCE {     lsms-subscriptionISVM-SSN SSN,     npac-subscriptionISVM-SSN SSN</pre>
<pre>lsms-subscriptionISVM-DPC DPC, npac-subscriptionISVM-DPC DPC } OPTIONAL, seq8 [8] SEQUENCE { lsms-subscriptionISVM-SSN SSN, npac-subscriptionISVM-SSN SSN</pre>
npac-subscriptionISVM-DPC DPC } OPTIONAL, seq8 [8] SEQUENCE { lsms-subscriptionISVM-SSN SSN, npac-subscriptionISVM-SSN SSN
<pre>} OPTIONAL, seq8 [8] SEQUENCE { lsms-subscriptionISVM-SSN SSN, npac-subscriptionISVM-SSN SSN</pre>
seq8 [8] SEQUENCE {     lsms-subscriptionISVM-SSN SSN,     npac-subscriptionISVM-SSN SSN
lsms-subscriptionISVM-SSN SSN, npac-subscriptionISVM-SSN SSN
npac-subscriptionISVM-SSN SSN
} OPTIONAL,
seq9 [9] SEQUENCE {
lsms-subscriptionCNAM-DPC DPC,
<u>npac-subscriptionCNAM-DPC DPC</u>
} OPTIONAL,
<u>seq10 [10] SEQUENCE {</u>
lsms-subscriptionCNAM-SSN SSN,
<u>npac-subscriptionCNAM-SSN SSN</u>
} OPTIONAL,
<u>seq11 [11] SEQUENCE {</u>
lsms-subscriptionEndUserLocationValue EndUserLocationValue,
npac-subscriptionEndUserLocationValue EndUserLocationValue
} OPTIONAL,
<u>seq12 [12] SEQUENCE {</u>
<pre>lsms-subscriptionEndUserLocationType EndUserLocationType,</pre>
<u>npac-subscriptionEndUserLocationType EndUserLocationType</u>
} OPTIONAL,
seq13 [13] SEQUENCE {
lsms-subscriptionBillingId BillingId,
npac-subscriptionBillingId BillingId
} OPTIONAL,
seq14 [14] SEQUENCE {
lsms-subscriptionLNPType LNPType,

```
npac-subscriptionLNPType LNPType
    } OPTIONAL,
    seq15 [15] SEQUENCE {
        lsms-subscriptionWSMSC-DPC DPC,
        npac-subscriptionWSMSC-DPC DPC
    }_OPTIONAL,
    seq16 [16] SEQUENCE {
        lsms-subscriptionWSMSC-SSN SSN,
       npac-subscriptionWSMSC-SSN SSN
    } OPTIONAL
ModifyAction::= SEQUENCE {
    subscription-version-action [0] EXPLICIT SubscriptionVersionAction,
    version-status [1] VersionStatus OPTIONAL,
    data-to-modify [2] SubscriptionModifyData
}
ModifyReply ::= SEQUENCE
    status SubscriptionVersionActionReply,
    invalid-data SubscriptionModifyInvalidData OPTIONAL
}
NetworkAddressInformation ::= SET OF SEQUENCE {
    interfaceAddress OSI-Address,
    systemType SystemType
}
NetworkDownloadCriteria ::= SEQUENCE {
    time-range [0] TimeRange OPTIONAL,
   chc1 [1] EXPLICIT CHOICE {
        service-prov [0] ServiceProvId,
        all-service-provs [1] NULL
    }_
    chc2 [2] EXPLICIT CHOICE { -- A decision was made by
                              -- NANC to leave this structure a CHOICE of
                              -- CHOICEs instead of using one CHOICE to
                              -- simplify tagging
        npa-nxx-data [0] EXPLICIT CHOICE {
            npa-nxx-range [0] NPA-NXX-Range,
           all-npa-nxx [1] NULL
        },
        lrn-data [1] EXPLICIT CHOICE {
            lrn-range [0] LRN-Range,
            all-lrn [1] NULL
        },
        all-network-data [2] NULL,
        npa-nxx-x-data [3] EXPLICIT CHOICE {
           <u>npa-nxx-x-range [0] NPA-NXX-X-Range,</u>
           all-npa-nxx-x [1] NULL
        }
NetworkDownloadData ::= SET OF SEQUENCE {
   service-prov-data [0] SEQUENCE {
       service-prov-id ServiceProvId,
```

service-prov-name ServiceProvName OPTIONAL
service-prov-npa-nxx-data [1] NPA-NXX-DownloadData OPTIONAL,
service-prov-lrn-data [2] LRN-DownloadData OPTIONAL,
service-prov-npa-nxx-x-data [3] NPA-NXX-X-DownloadData OPTIONAL
NetworkNotificationRecoveryAction ::= TimeRange
NetworkNotificationRecoveryReply ::= SEQUENCE {
status ENUMERATED {
success (0),
failed (1),
time-range-invalid (2),
criteria-to-large (3),
<u>no-data-selected (4)</u>
<u>},</u>
system-choice CHOICE {
lsms [1] SET OF SEQUENCE {
<pre>managedObjectClass ObjectClass,</pre>
<u>managedObjectInstance ObjectInstance,</u>
notification CHOICE {
Recovery,
lnp-npac-sms-operational-information [2]
NPAC-SMS-Operational-InformationRecovery
<u>soa [2] SET OF SEQUENCE {</u>
managedObjectClass ObjectClass,
<pre>managedObjectInstance ObjectInstance,</pre>
notification CHOICE {
<u></u>
Recovery,
<u></u>
VersionCustomerDisconnectDateRecovery,
subscription-version-audit-discrepancy-report [3]
AuditDiscrepancyRptRecovery
subscription-audit-results [4] AuditResultsRecovery,
lnp-npac-sms-operational-information [5]
NPAC-SMS-Operational-InformationRecovery,
subscription-version-new-sp-create-request [6]
VersionNewSP-CreateRequestRecovery,
subscription-version-old-sp-concurrence-request [7]
VersionOldSP-ConcurrenceRequestRecovery,
VersionOldSPFinalConcurrenceWindowExpirationRecovery,
<pre>subscription-version-cancellation-acknowledge-request [9]</pre>
VersionCancellationAcknowledgeRequestRecovery,
subscriptionVersionStatusAttributeValueChange [10]
VersionStatusAttributeValueChangeRecovery,
attribute-value-change [11] AttributeValueChangeInfo,
object-creation [12] ObjectInfo,
object_deletion [12] objectInfo,
numberPoolBlockStatusAttributeValueChange [14]
NumberPoolBlockStatusAttributeValueChangeRecovery

}
} OPTIONAL
NoveD Createletion NoveD CreateDate
<u>NewSP-CreateAction ::= NewSP-CreateData</u>
NewSP-CreateData ::= SEQUENCE {
chcl [0] EXPLICIT CHOICE {
subscription-version-tn [0] PhoneNumber,
subscription-version-tn-range [1] TN-Range
<u>}</u> ,
<u>subscription-lrn [1] LRN OPTIONAL,</u>
<pre>subscription-new-current-sp [2] ServiceProvId,</pre>
<pre>subscription-old-sp [3] ServiceProvId,</pre>
<u>subscription-new-sp-due-date [4] GeneralizedTime,</u>
subscription-class-dpc [6] EXPLICIT DPC OPTIONAL,
subscription-class-ssn [7] EXPLICIT SSN OPTIONAL,
subscription-lidb-dpc [8] EXPLICIT DPC OPTIONAL,
subscription-lidb-ssn [9] EXPLICIT SSN OPTIONAL,
subscription-isvm-dpc [10] EXPLICIT DPC OPTIONAL,
subscription-isvm-ssn [11] EXPLICIT SSN OPTIONAL,
subscription-cnam-dpc [12] EXPLICIT DPC OPTIONAL,
subscription-cnam-ssn [13] EXPLICIT SSN OPTIONAL,
subscription-end-user-location-value [14]
EndUserLocationValue OPTIONAL,
subscription-end-user-location-type [15] EndUserLocationType OPTIONAL,
subscription-billing-id [16] BillingId OPTIONAL,
subscription-lnp-type [17] LNPType,
subscription-porting-to-original-sp-switch [18]
SubscriptionPortingToOriginal-SPSwitch,
subscription-wsmsc-dpc [19] EXPLICIT DPC OPTIONAL,
subscription-wsmsc-ssn [20] EXPLICIT SSN OPTIONAL
1
<u> </u>
NewSP-CreateReply ::= SEQUENCE {
invalid-data [1] NewSP-CreateInvalidData OPTIONAL
NewSP-CreateInvalidData ::= CHOICE {
<u>subscription-version-tn [0] EXPLICIT PhoneNumber</u>
<u>subscription-version-tn-range [1] EXPLICIT TN-Range,</u>
<pre>subscription-lrn [2] EXPLICIT LRN, subscription-new-current-sp [3] EXPLICIT ServiceProvId,</pre>
subscription-old-sp [4] EXPLICIT ServiceProvId,
subscription-new-sp-due-date [5] EXPLICIT GeneralizedTime,
subscription-class-dpc [6] EXPLICIT DPC,
subscription-class-ssn [7] EXPLICIT SSN,
subscription-lidb-dpc [8] EXPLICIT DPC,
subscription-lidb-ssn [9] EXPLICIT SSN,
subscription-isvm-dpc [10] EXPLICIT DPC,
subscription-isvm-ssn [11] EXPLICIT SSN,
subscription-cnam-dpc [12] EXPLICIT DPC,
subscription-cnam-ssn [13] EXPLICIT SSN,
subscription-end-user-location-value [14] EXPLICIT EndUserLocationValue,
<pre>subscription-end-user-location-type [15] EXPLICIT EndUserLocationType,</pre>
subscription-billing-id [16] EXPLICIT BillingId,
subscription-lnp-type [17] EXPLICIT LNPType,

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subscription-porting-to-original-sp-switch [18]
       EXPLICIT SubscriptionPortingToOriginal-SPSwitch,
    subscription-wsmsc-dpc [19] EXPLICIT DPC,
    subscription-wsmsc-ssn [20] EXPLICIT SSN
}
NpacAssociationUserInfo ::= SEQUENCE {
    error-code [0] IMPLICIT ErrorCode,
    error-text [1] IMPLICIT GraphicString(SIZE(1..80))
}
ErrorCode ::= ENUMERATED {
    success (0),
    access-denied (1),
    retry-same-host (2),
    try-other-host (3)
}
NPA ::= NumberString(SIZE(3))
NPA-NXX ::= SEQUENCE {
   <u>npa-value NPA,</u>
   nxx-value NumberString(SIZE(3))
}
NPA-NXX-DownloadData ::= SET OF SEQUENCE {
        service-prov-npa-nxx-id NPA-NXX-ID,
        service-prov-npa-nxx-value NPA-NXX OPTIONAL,
        service-prov-npa-nxx-effective-timestamp GeneralizedTime OPTIONAL,
        service-prov-download-reason DownloadReason,
        service-prov-npa-nxx-creation-timestamp GeneralizedTime OPTIONAL
}
NPA-NXX-ID ::= LnpKey
NPA-NXX-Range ::= SEQUENCE {
    start-npa-nxx NPA-NXX,
    stop-npa-nxx NPA-NXX
}
NPA-NXX-X ::= NumberString(SIZE(7))
NPA-NXX-X-DownloadData ::= SET OF SEQUENCE {
    service-prov-npa-nxx-x-id [0] NPA-NXX-X-ID,
   service-prov-npa-nxx-x [1] NPA-NXX-X OPTIONAL,
    service-prov-npa-nxx-x-effective-timestamp [2] GeneralizedTime OPTIONAL,
    service-prov-npa-nxx-x-creation-timestamp [3] GeneralizedTime OPTIONAL,
    service-prov-npa-nxx-x-modified-timestamp [4] GeneralizedTime OPTIONAL,
    service-prov-download-reason [5] DownloadReason
}
NPA-NXX-X-ID ::= LnpKey
NPA-NXX-X-Range ::= SEQUENCE {
    start-npa-nxx-x NPA-NXX-X,
    <u>stop-npa-nxx-x NPA-NXX-X</u>
ł
```

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NDAC-SMS-Operational-Informatio	
÷	n ::= SEQUENCE {
down-time TimeRange,	
npac-contact-number PhoneNu	
additional-down-time-inform	
access-control LnpAccessCon	trol
<u>}</u>	
NDAG GMG Organstianal Informatio	
NPAC-SMS-Operational-Informatio	<u>nrecovery ::= Sequence {</u>
down-time TimeRange,	
npac-contact-number PhoneNu	
additional-down-time-inform	<u>ation GraphicString255</u>
Ţ	
NumberPoolBlock-CreateAction ::	= SEQUENCE {
block-npa-nxx-x NPA-NXX-X,	
block-holder-sp ServiceProv	Td
block-lrn LRN,	
block-class-dpc DPC,	
block-class-ssn SSN,	
block-lidb-dpc DPC,	
block-lidb-ssn SSN,	
block-isvm-dpc DPC,	
block-isvm-ssn SSN,	
block-cnam-dpc DPC,	
block-cnam-ssn SSN,	
block-wsmsc-dpc [0] DPC OPT	IONAL,
block-wsmsc-ssn [1] SSN OPT	
<u>}</u>	
NumberPoolBlock-CreateInvalidDa	to CHOICE (
block-npa-nxx-x [0] EXPLICI	
block-lrn [1] EXPLICIT LRN,	
block-class-dpc [2] EXPLICI	
block-class-spc [2] EXPLICI	
block-lidb-dpc [4] EXPLICIT	
block-lidb-ssn [5] EXPLICIT	
block-isvm-dpc [6] EXPLICIT	
block-isvm-ssn [7] EXPLICIT	
block-cnam-dpc [8] EXPLICIT	
block-cnam-ssn [9] EXPLICIT	
block-wsmsc-dpc [10] EXPLIC	
block-wsmsc-ssn [11] EXPLIC	
<pre>block-wsmsc-ssn [11] EXPLIC }</pre>	
block-wsmsc-ssn [11] EXPLIC	
Ţ	IT SSN
	IT SSN
<pre> NumberPoolBlock-CreateReply ::=     block-id [0] BlockId,</pre>	IT SSN
<pre>} NumberPoolBlock-CreateReply ::=</pre>	IT SSN
<pre> } NumberPoolBlock-CreateReply ::=     block-id [0] BlockId,     status [1] ENUMERATED {         success (0),         </pre>	IT SSN
<pre> } NumberPoolBlock-CreateReply ::=     block-id [0] BlockId,     status [1] ENUMERATED {         success (0),         failed (1),     } } </pre>	IT SSN
<pre> } NumberPoolBlock-CreateReply ::=     block-id [0] BlockId,     status [1] ENUMERATED {         success (0),         </pre>	IT SSN
<pre> } NumberPoolBlock-CreateReply ::=     block-id [0] BlockId,     status [1] ENUMERATED {         success (0),         failed (1),         soa-not-authorized (2),         no-npa-nxx-x-found (3),     } } </pre>	IT SSN SEQUENCE {
<pre> } NumberPoolBlock-CreateReply ::=     block-id [0] BlockId,     status [1] ENUMERATED {         success (0),         failed (1),         soa-not-authorized (2),         no-npa-nxx-x-found (3),         invalid-data-values (4),     } } </pre>	<u>IT SSN</u> <u>SEQUENCE {</u>
<pre> } NumberPoolBlock-CreateReply ::=     block-id [0] BlockId,     status [1] ENUMERATED {         success (0),         failed (1),         soa-not-authorized (2),         no-npa-nxx-x-found (3),         invalid-data-values (4),         number-pool-block-alread</pre>	<u>IT SSN</u> <u>SEQUENCE {</u> <u>y-exists (5)</u>
<pre> } NumberPoolBlock-CreateReply ::=     block-id [0] BlockId,     status [1] ENUMERATED {         success (0),         failed (1),         soa-not-authorized (2),         no-npa-nxx-x-found (3),         invalid-data-values (4),     } } </pre>	<u>IT SSN</u> <u>SEQUENCE {</u> <u>y-exists (5),</u> (6),
<pre> } NumberPoolBlock-CreateReply ::=     block-id [0] BlockId,     status [1] ENUMERATED {         success (0),         failed (1),         soa-not-authorized (2),         no-npa-nxx-x-found (3),         invalid-data-values (4),         number-pool-block-alread         prior-to-effective-date </pre>	<u>IT SSN</u> <u>SEQUENCE {</u> <u>y-exists (5),</u> (6),

```
NumberPoolBlockStatusAttributeValueChange ::= SEQUENCE {
    value-change-info [0] AttributeValueChangeInfo,
    failed-service-provs [1] Failed-SP-List OPTIONAL,
    access-control [2] LnpAccessControl
}
NumberPoolBlockStatusAttributeValueChangeRecovery ::= SEQUENCE {
    value-change-info [0] AttributeValueChangeInfo,
    failed-service-provs [1] Failed-SP-List OPTIONAL
}
NumberString := GraphicString (FROM ("0" | "1" | "2" | "3" | "4" | "5" |
                "6" | "7" | "8" | "9"))
OldSP-CreateAction ::= OldSP-CreateData
<u>OldSP-CreateData ::= SEQUENCE</u>
    chc1 [0] EXPLICIT CHOICE {
        subscription-version-tn [0] PhoneNumber,
        subscription-version-tn-range [1] TN-Range
    },
    subscription-new-current-sp [1] ServiceProvId,
    subscription-old-sp [2] ServiceProvId,
    subscription-old-sp-due-date [3] GeneralizedTime,
    subscription-old-sp-authorization [4] ServiceProvAuthorization,
    subscription-status-change-cause-code [5]
SubscriptionStatusChangeCauseCode,
    subscription-lnp-type [6] LNPType
}
<u>OldSP-CreateReply</u> :: = <u>SEQUEN</u>CE {
    status SubscriptionVersionActionReply,
    invalid-data OldSP-CreateInvalidData OPTIONAL
}
OldSP-CreateInvalidData ::= CHOICE {
    subscription-version-tn [0] EXPLICIT PhoneNumber,
    subscription-version-tn-range [1] EXPLICIT TN-Range,
    subscription-new-current-sp [2] EXPLICIT ServiceProvId,
    subscription-old-sp [3] EXPLICIT ServiceProvId,
    subscription-old-sp-due-date [4] EXPLICIT GeneralizedTime,
    subscription-old-sp-authorization [5] EXPLICIT ServiceProvAuthorization,
    subscription-status-change-cause-code [6]
       EXPLICIT SubscriptionStatusChangeCauseCode,
    subscription-lnp-type [7] EXPLICIT LNPType
}
OSI-Address ::= SEQUENCE {
                    OCTET STRING(SIZE(20)),
    nsap
    tsap
                    OCTET STRING(SIZE(1..4)),
    ssap
                    OCTET STRING(SIZE(1..4)),
    psap
                    OCTET STRING(SIZE(1..4))
}
PhoneNumber ::= NumberString(SIZE(10))
<u>RecoveryCompleteAction ::= NULL</u>
```

```
RecoveryCompleteReply ::= SEQUENCE {
    status ResultsStatus,
    subscriber-data [1] SubscriptionDownloadData OPTIONAL,
    network-data [2] NetworkDownloadData OPTIONAL,
   block-data [3] BlockDownloadData OPTIONAL
}
RemoveFromConflictAction ::= SubscriptionVersionAction
RemoveFromConflictReply ::= SubscriptionVersionActionReply
ServiceProvAuthorization ::= BOOLEAN
ServiceProvId ::= GraphicString4
ServiceProvName ::= GraphicString40
SoaUnits ::= SEQUENCE {
    soaMgmt [0] NULL OPTIONAL,
   networkDataMgmt [1] NULL OPTIONAL,
    dataDownload [2] NULL OPTIONAL
}
ResultsStatus ::= ENUMERATED {
    success(0),
    failure(1)
}
SSN ::= CHOICE {
                    [0] INTEGER(0..255),
    ssn-value
    no-value-needed [1] NULL
}
SubscriptionData ::= SEQUENCE {
    subscription-lrn [1] LRN OPTIONAL,
    subscription-new-current-sp [2] ServiceProvId OPTIONAL,
    subscription-activation-timestamp [3] GeneralizedTime OPTIONAL,
    subscription-class-dpc [4] EXPLICIT DPC,
    subscription-class-ssn [5] EXPLICIT SSN,
    subscription-lidb-dpc [6] EXPLICIT DPC,
    subscription-lidb-ssn [7] EXPLICIT SSN,
    subscription-isvm-dpc [8] EXPLICIT DPC,
    subscription-isvm-ssn [9] EXPLICIT SSN,
    subscription-cnam-dpc [10] EXPLICIT DPC,
    subscription-cnam-ssn [11] EXPLICIT SSN,
    subscription-end-user-location-value [12]
         EndUserLocationValue OPTIONAL,
    subscription-end-user-location-type [13] EndUserLocationType OPTIONAL,
    subscription-billing-id [14] BillingId OPTIONAL,
    subscription-lnp-type [15] LNPType,
    subscription-download-reason [16] DownloadReason,
    subscription-wsmsc-dpc [17] EXPLICIT DPC OPTIONAL,
    subscription-wsmsc-ssn [18] EXPLICIT SSN OPTIONAL
}
SubscriptionDownloadCriteria ::= CHOICE {
```

```
_____time-range [0] TimeRange,
```

	General ASN.1 Dennit
tn [1] PhoneNumber,	
tn-range [2] TN-Range	
SubscriptionDownloadData ::= SET OF SEQUENCE {	
subscription-version-id [0] SubscriptionVersionId,	
subscription-version-tn [1] PhoneNumber OPTIONAL,	
subscription-data SubscriptionData	
<u>}</u>	
<u> SubscriptionModifyData ::= SEQUENCE {</u>	
subscription-lrn [0] LRN OPTIONAL,	
subscription-new-sp-due-date [1] GeneralizedTime OPTIONA	<u>AL</u>
subscription-old-sp-due-date [2] GeneralizedTime OPTIONA	AL,
subscription-old-sp-authorization [3] ServiceProvAuthori	zation OPTIONAL,
subscription-class-dpc [4] EXPLICIT DPC OPTIONAL,	
subscription-class-ssn [5] EXPLICIT SSN OPTIONAL,	
subscription-lidb-dpc [6] EXPLICIT DPC OPTIONAL,	
subscription-lidb-ssn [7] EXPLICIT SSN OPTIONAL,	
subscription-isvm-dpc [8] EXPLICIT DPC OPTIONAL,	
subscription-isvm-ssn [9] EXPLICIT SSN OPTIONAL,	
subscription-cnam-dpc [10] EXPLICIT DPC OPTIONAL,	
subscription-cnam-ssn [11] EXPLICIT SSN OPTIONAL,	
subscription-end-user-location-value [12] EndUserLocation	onValue OPTIONAL
subscription-end-user-location-type [13] EndUserLocation	Type OPTIONAL,
subscription-billing-id [14] BillingId OPTIONAL,	
subscription-status-change-cause-code [15]	
SubscriptionStatusChangeCauseCode OPTIONAL,	
subscription-wsmsc-dpc [16] EXPLICIT DPC OPTIONAL,	
subscription-wsmsc-ssn [17] EXPLICIT SSN OPTIONAL	
SubscriptionModifyInvalidData ::= CHOICE {	
subscription-lrn [0] EXPLICIT LRN,	
subscription-new-sp-due-date [1] EXPLICIT GeneralizedTin	
subscription-old-sp-due-date [2] EXPLICIT GeneralizedTin	
subscription-old-sp-authorization [3] EXPLICIT ServicePa	<u>ovAuthorization</u>
subscription-class-dpc [4] EXPLICIT DPC,	
subscription-class-ssn [5] EXPLICIT SSN,	
subscription-lidb-dpc [6] EXPLICIT DPC,	
subscription-lidb-ssn [7] EXPLICIT SSN,	
subscription-isvm-dpc [8] EXPLICIT DPC,	
subscription-isvm-ssn [9] EXPLICIT SSN,	
subscription-cnam-dpc [10] EXPLICIT DPC,	
subscription-cnam-ssn [11] EXPLICIT SSN,	
subscription-end-user-location-value [12] EXPLICIT EndUs	
subscription-end-user-location-type [13] EXPLICIT EndUse	erLocationType,
subscription-billing-id [14] EXPLICIT BillingId,	
subscription-status-change-cause-code [15]	
EXPLICIT SubscriptionStatusChangeCauseCode,	
subscription-wsmsc-dpc [16] EXPLICIT DPC,	
subscription-wsmsc-ssn [17] EXPLICIT SSN	
ubscriptionPortingToOriginal-SPSwitch ::= BOOLEAN	
<pre>ubscriptionPreCancellationStatus ::= ENUMERATED {</pre>	
conflict (0),	

conflict (0),

```
pending (2),
    disconnect-pending (6)
}
SubscriptionStatusChangeCauseCode ::= CHOICE {
                     [0] INTEGER,
    value
    no-value-needed [1] NULL
}
SubscriptionVersionAction ::= CHOICE {
    subscription-version-action-key [0] EXPLICIT SubscriptionVersionActionKey,
    subscription-version-tn-range [1] TN-Range
}
SubscriptionVersionActionKey ::= CHOICE {
    version-id [0] SubscriptionVersionId,
    tn [1] PhoneNumber
}
SubscriptionVersionActionReply ::= ENUMERATED {
    success (0),
    failed (1),
    soa-not-authorized (2),
   no-version-found (3),
    invalid-data-values (4),
    version-create-already-exists (5)
}
SubscriptionVersionId ::= LnpKey
SubscriptionVersionObject ::= SEQUENCE {
    tn-version-id SET OF TN-VersionId,
    subscription-data SubscriptionData
}
TimeRange ::= SEQUENCE {
    startTime [0] GeneralizedTime,
    stopTime [1] GeneralizedTime
}
SystemID ::= CHOICE {
    serviceProvId [0] ServiceProvId,
    npac-sms [1] GraphicString60
}
SystemType ::= ENUMERATED {
    soa(0),
    <u>local-sms(1),</u>
    soa-and-local-sms(2), -- value not supported
    npac-sms(3) -- value is only valid for AccessControl definition
}
TN-Range ::= SEQUENCE {
    tn-start NumberString(SIZE(10)),
    tn-stop
              NumberString(SIZE(4))
}
TN-VersionId ::= SEQUENCE {
```

tn PhoneNumber,
version-id SubscriptionVersionId
$\frac{1}{2}$
VersionCancellationAcknowledgeRequest ::= SEQUENCE {
tn PhoneNumber,
version-id LnpKey,
access-control LnpAccessControl
VersionCancellationAcknowledgeRequestRecovery ::= SEQUENCE {
tn PhoneNumber,
version-id LnpKey
VersionCreateConcurrenceRequest ::= SEQUENCE {
tn PhoneNumber,
version-id LnpKey,
<u>service-prov-id ServiceProvId</u>
<pre>service-prov-due-date GeneralizedTime,</pre>
<pre>service-prov-authorization-creation-time-stamp GeneralizedTime,</pre>
access-control LnpAccessControl,
<u>subscription-timer-type [0] Integer OPTIONAL,</u>
subscription-business-type [1] Integer OPTIONAL
$\frac{1}{2}$
VersionCreateConcurrenceRequestRecovery ::= SEQUENCE {
tn [0] PhoneNumber,
version-id [1] LnpKey,
service_prov_due_date [3] GeneralizedTime,
subscription-timer-type [5] Integer OPTIONAL,
subscription-business-type [6] Integer OPTIONAL
VersionCustomerDisconnectDate ::= SEQUENCE {
tn PhoneNumber,
version-id LnpKey,
<pre>service-prov-customer-disconnect-date GeneralizedTime,</pre>
<pre>service-prov-effective-release-date GeneralizedTime OPTIONAL,</pre>
<u>access-control LnpAccessControl</u>
<pre>VersionCustomerDisconnectDateRecovery ::= SEQUENCE {</pre>
<u>tn PhoneNumber,</u>
version-id LnpKey,
service-prov-customer-disconnect-date GeneralizedTime,
service-prov-effective-release-date GeneralizedTime OPTIONAL
VersionNewNPA-NXX ::= SEQUENCE {
service-prov-npa-nxx-id NPA-NXX-ID,
service-prov-npa-nxx-value NPA-NXX OPTIONAL,
access-control LnpAccessControl
}

VersionNewNPA-NXX-Recovery ::= SEQUENCE {
service-prov-npa-nxx-id NPA-NXX-ID,
service-prov-npa-nxx-value NPA-NXX OPTIONAL,
service-prov-id ServiceProvId
<pre>VersionNewSP-CreateRequest ::= SEQUENCE {</pre>
<pre>version-create-request [0] VersionCreateConcurrenceRequest,</pre>
service-prov-old-authorization [1] ServiceProvAuthorization,
subscription-status-change-cause-code [2]
SubscriptionStatusChangeCauseCode
1
VersionNewSP-CreateRequestRecovery ::= SEQUENCE {
version-create-request [0] VersionCreateConcurrenceRequestRecovery,
<pre>service-prov-old-authorization [1] ServiceProvAuthorization,</pre>
<pre>subscription-status-change-cause-code [2]</pre>
SubscriptionStatusChangeCauseCode
VersionOldSP-ConcurrenceRequest ::= VersionCreateConcurrenceRequest
VersionOldSP-ConcurrenceRequestRecovery ::=
VersionCreateConcurrenceRequestRecovery
VersionOldSPFinalConcurrenceWindowExpiration ::= SEQUENCE {
tn PhoneNumber,
version-id LnpKey,
access-control LnpAccessControl,
<pre>subscription-timer-type [0]Integer OPTIONAL,</pre>
<u>subscription-business-type [1] Integer OPTIONAL</u>
VersionOldSPFinalConcurrenceWindowExpirationRecovery ::= SEQUENCE {
tn [0] PhoneNumber,
version-id [1] LnpKey,
subscription-timer-type [2]Integer OPTIONAL,
subscription-business-type [3] Integer OPTIONAL
VersionStatus ::= ENUMERATED {
<u>conflict (0)</u>
<u>active (1),</u>
pending (2),
sending (3),
download-failed (4),
download-failed-partial (5),
disconnect-pending (6),
old (7),
canceled (8),
cancel-pending (9)
<u> VersionStatusAttributeValueChange ::= SEQUENCE {</u>
value-change-info [0] AttributeValueChangeInfo,
failed-service-provs [1] Failed-SP-List OPTIONAL,

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subscription-status-change-cause-code [2]
SubscriptionStatusChangeCauseCode
       OPTIONAL,
   access-control [3] LnpAccessControl
}
VersionStatusAttributeValueChangeRecovery ::= SEQUENCE {
   value-change-info [0] AttributeValueChangeInfo,
    failed-service-provs [1] Failed-SP-List OPTIONAL,
   subscription-status-change-cause-code [2]
SubscriptionStatusChangeCauseCode
       OPTIONAL
}
END -- LNP-ASN1
LNP-ASN1
- {iso(1) org(3) dod(6) internet(1) private(4) enterprises(1) -
  -lockheed(103) cis(7) npac(0) iis(0) asn1(1)}
DEFINITIONS IMPLICIT TAGS ::= BEGIN
-- EXPORTS everything
IMPORTS
  CMIP
-ObjectClass, ObjectInstance
       FROM CMIP-1 {joint-iso-ccitt ms(9) cmip(1) modules(0) protocol(3)}
-- DMI
-AttributeValueChangeInfo, ObjectInfo
     FROM Notification ASN1Module {joint-iso-ccitt ms(9) smi(3) part2(2)
            -asn1Module(2) 2};
ActivateAction ::= SubscriptionVersionAction
ActionResultsStatus ::= ResultsStatus
ActivateReply ::= SubscriptionVersionActionReply
AddressInformation ::= SEQUENCE {
    line1 GraphicString40,
   line2 GraphicString40,
   city GraphicString20,
state GraphicString(SIZE(2)),
   -zip GraphicString(SIZE(9)),
  province GraphicString(SIZE(2)),
   -country GraphicString20,
   -contactPhone PhoneNumber,
  -contact GraphicString40,
   -contactFax PhoneNumber,
   -contactPager PhoneNumber,
   -contactPagerPIN DigitString,
```

```
-contactE-mail GraphicString60-
+
AssociationFunction ::= SEQUENCE {
   -soaUnits SoaUnits,
   lsmsUnits LSMSUnits
+
AuditAttributes ::= CHOICE (
   specific-audit [0] SEQUENCE {
       lidb-data BOOLEAN,
     isvm-data BOOLEAN,
       -lrn-data BOOLEAN,
       -wsmsc-data BOOLEAN OPTIONAL -- Optional for backward compatability
    +
   all-data [1] NULL
ᆉ
AuditDiscrepancyRpt ::= SEQUENCE {
   -tn PhoneNumber,
   -version-id SubscriptionVersionId,
   -lsms-service-prov-id ServiceProvId,
  failure-reason AuditFailureData,
   -access-control LnpAccessControl
ᆉ
AuditDiscrepancyRptRecovery ::= SEQUENCE {
   -tn PhoneNumber,
   version-id SubscriptionVersionId,
   -lsms-service-prov-id ServiceProvId,
   failure-reason AuditFailureData
}
AuditFailureData ::= CHOICE {
   -tn-version-missing-NPAC [0] NULL,
   -tn-version-missing-LSMS [1] NULL,
   mismatch-data [2] MismatchAttributes
ᅪ
AuditId ::= LnpKey
AuditName ::= GraphicString40
AuditNumberOfTNs ::= INTEGER
AuditNumberOfTNsComplete ::= INTEGER
AuditResults ::= SEQUENCE {
   -status [0] AuditResultStatus,
  -failed-service-prov-list [1] Failed-SP-List OPTIONAL,
   number-of-discrepancies [2] INTEGER,
  -time-of-completion [3] GeneralizedTime,
   access-control [4] LnpAccessControl
ᆉ
AuditResultsRecovery ::= SEQUENCE {
```

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```
status [0] AuditResultStatus,
   failed-service-prov-list [1] Failed-SP-List OPTIONAL,
   number-of-discrepancies [2] INTEGER,
   -time-of-completion [3] GeneralizedTime-
ᆉ
AuditResultStatus ::= ENUMERATED {
   -success (0),
   -failed-due-to-discrepancies (1),
   failed-on-local-sms (2),
   -no-audit-performed (3)
+
AuditServiceProvIdRange ::= CHOICE {
   -allServiceProvs [0] NULL,
   -serviceProv [1] ServiceProvName
十
AuditStatus ::= ENUMERATED {
   -in-progress (0),
   -suspended (1),
  -complete (2)
+
AuditTN-ActivationRange ::= TimeRange
BillingId ::= CHOICE {
   -value [0] GraphicString4,
   -no-value-needed [1] NULL
+
Boolean ::= BOOLEAN
CancellationAcknowledgeAction ::= SubscriptionVersionAction
CancellationAcknowledgeReply ::= SubscriptionVersionActionReply
CancelAction::= SubscriptionVersionAction
CancelReply ::= SubscriptionVersionActionReply
DPC ::= CHOICE (
   dpc-value
                    [0] OCTET STRING (SIZE(3)),
   no-value-needed [1] NULL
+
DigitString ::= GraphicString (FROM ("0" | "1" | "2" | "3" | "4" | "5" |
               <u>-"6" | "7" | "8" | "9" | "*" | "#" ) </u>
DisconnectAction::= SEQUENCE {
   -subscription-version-action [0] EXPLICIT SubscriptionVersionAction,
   -customer-disconnect-date [1] GeneralizedTime,
  effective-release-date [2] GeneralizedTime OPTIONAL
+
DisconnectReply ::= SEQUENCE {
    status SubscriptionVersionActionReply,
```

```
version-id SET OF SubscriptionVersionId OPTIONAL
+
DownloadAction ::= CHOICE {
   subscriber-download [0] EXPLICIT SubscriptionDownloadCriteria,
   -network-download [1] NetworkDownloadCriteria
+
DownloadReason ::= ENUMERATED (
   new1 (0),
  -deletel(1),
   modified (2),
  -audit-discrepancy (3)
ᆉ
DownloadReply ::= SEQUENCE {
  -status ENUMERATED {
      -success (0),
    failed (1),
    time-range-invalid (2),
      -criteria-to-large (3),
    -downloaddata CHOICE {
      -subscriber-data [0] SubscriptionDownloadData,
    ᆉ
EndUserLocationType ::= CHOICE {
  -value [0] NumberString(SIZE(2)),
  -no-value-needed [1] NULL
+
EndUserLocationValue ::= CHOICE {
  value [0] NumberString(SIZE(1...12)),
  -no-value-needed [1] NULL
+
Failed-SP-List ::= SET OF SEQUENCE {
  -service-prov-id ServiceProvId,
   -service-prov-name ServiceProvName
+
CMIPErrorCode ::= ENUMERATED {
  -noSuchObjectClassEr (0),
  -noSuchObjectInstanceEr (1),
 -syncNotSupportedEr (3),
  -invalidFilterEr (4),
  -noSuchAttributeEr (5),
  -getListErrorEr (7),
 -processingFailureEr (10),
   -duplicateManagedObjectInstanceEr (11),
   -noSuchReferenceObjectEr (12),
```

```
noSuchEventTypeEr (13),
   -noSuchArgumentEr (14),
    invalidArgumentValueEr (15),
    invalidScopeEr (16),
   -invalidObjectInstanceEr (17),
   missingattributeValueEr (18),
   -classInstanceConflictEr (19),
   -complexityLimitationEr (20),
   -mistypedOperationEr (21),
   noSuchInvokeIdEr (22),
   -operationCancelledEr (23)
+
FailedTN-List ::= SET OF SEQUENCE {
   subscriptionVersionId SubscriptionVersionId,
   tn PhoneNumber,
   errorId CMIPErrorCode
ᆉ
GeneralTime ::= GeneralizedTime
GraphicStringBase ::= GraphicString
GraphicString4 ::= GraphicStringBase(SIZE(1..4))
GraphicString16 ::= GraphicStringBase(SIZE(1..16))
GraphicString20 ::= GraphicStringBase(SIZE(1..20))
GraphicString25 ::= GraphicStringBase(SIZE(1..25))
GraphicString28 ::= GraphicStringBase(SIZE(1..28))
GraphicString40 ::= GraphicStringBase(SIZE(1..40))
GraphicString60 ::= GraphicStringBase(SIZE(1..60))
GraphicString255 ::= GraphicStringBase(SIZE(1..255))
Integer ::= INTEGER
LnpAccessControl ::= [0] SEQUENCE {
    systemId [0] EXPLICIT SystemID,
    systemType [1] SystemType,
    userId [2] GraphicString60 OPTIONAL,
    listId [3] INTEGER,
   -keyId [4] INTEGER,
   -cmipDepartureTime [5] GeneralizedTime,
   sequenceNumber [6] INTEGER(0..4294967295),
   function [7] AssociationFunction,
   -recoveryMode [8] BOOLEAN,
   -signature [9] BIT STRING
+
LnpAuditsName ::= GraphicString ("lnpAudits")
LnpKey ::= INTEGER
```

```
LnpNetworkName ::= GraphicString ("lnpNetwork")
LnpSMS Name ::= GraphicString40
LnpServiceProvsName ::= GraphicString ("lnpServiceProvs")
LnpSubscriptionsName ::= GraphicString ("lnpSubscriptions")
LnpSpecificInfo ::= GraphicString255
LNPType ::= ENUMERATED {
    <del>lspp (0),</del>
    lisp (1),
   <del>pool (2)</del>
+
LocalSMS-ActionResults ::= SEQUENCE {
   -actionId [0] INTEGER,
   status [1] ActionResultsStatus,
   -failed-tn-list [2] FailedTN-List OPTIONAL,
  -time-of-completion [3] GeneralizedTime,
   -accessControl [4] LnpAccessControl
+
LocalSMS-CreateAction ::= SEQUENCE {
   actionId INTEGER,
   subscriptionVersionObjects SET OF SubscriptionVersionObject,
   tn-range TN-Range OPTIONAL -- used only on pooled ports for release 1.4
+
LocalSMS-CreateReply ::= ResultsStatus
LRN ::= CHOICE {
   value [0] OCTET STRING (SIZE(5)),
   -no-value-needed [1] NULL
+
LRN-ID ::= LnpKey
LRN-DownloadData ::= SET OF SEQUENCE {
  -service-prov-lrn-value LRN OPTIONAL,
   -service-prov-download-reason DownloadReason,
   service-prov-lrn-creation-timestamp GeneralizedTime OPTIONAL
+
LRN-Range ::= SEQUENCE {
+
LSMSUnits ::= SEQUENCE {
   -dataDownload [0] NULL OPTIONAL,
   networkDataMgmt [1] NULL OPTIONAL,
   query [2] NULL OPTIONAL
ᆉ
```

UT OIL	atchAttributes ::= SEQUENCE (
	seq0 [0] SEQUENCE {
	lsms-subscriptionLRN_LRN,
	npac-subscriptionLRN LRN
	- OPTIONAL,
	seq1 [1] SEQUENCE (
	lsms-subscriptionNewCurrentSP_ServiceProvId,
	npac-subscriptionNewCurrentSP_ServiceProvId
	}-OPTIONAL,
	<del>seq2 [2] SEQUENCE {</del>
	lsms-subscriptionActivationTimeStamp GeneralizedTime,
	npac-subscriptionActivationTimeStamp GeneralizedTime
	) OPTIONAL,
	seq3 [3] SEQUENCE {
	lsms-subscriptionCLASS-DPC DPC,
	npac-subscriptionCLASS-DPC DPC
	} OPTIONAL,
	seq4 [4] SEQUENCE {
	lsms-subscriptionCLASS-SSN SSN,
	npac-subscriptionCLASS-SSN SSN
	}-OPTIONAL,
	seq5 [5] SEQUENCE (
	lsms-subscriptionLIDB-DPC DPC,
	npac-subscriptionLIDB-DPC DPC
	- OPTIONAL,
	seq6 [6] SEQUENCE {
	lsms-subscriptionLIDB-SSN SSN,
	npac-subscriptionLIDB-SSN SSN
	}-OPTIONAL,
	<del>seq7 [7] SEQUENCE {</del>
	lsms-subscriptionISVM-DPC DPC,
	npac-subscriptionISVM DPC DPC
	<del>} OPTIONAL,</del>
	seq8 [8] SEQUENCE {
	lsms-subscriptionISVM-SSN SSN,
	npac-subscriptionISVM-SSN SSN
	- OPTIONAL,
	seq9 [9] SEQUENCE (
	lsms-subscriptionCNAM-DPC DPC,
	npac-subscriptionCNAM-DPC DPC
	}-OPTIONAL,
;	<del>seq10 [10] SEQUENCE (</del>
	lsms-subscriptionCNAM-SSN-SSN,
	npac-subscriptionCNAM-SSN SSN
	) OPTIONAL,
	seq11 [11] SEQUENCE (
	lsms-subscriptionEndUserLocationValue EndUserLocationValu
	npac-subscriptionEndUserLocationValue EndUserLocationValu
	} OPTIONAL,
	<del>seq12 [12] SEQUENCE {</del>
	<pre>lsms-subscriptionEndUserLocationType EndUserLocationType,</pre>
	npac-subscriptionEndUserLocationType EndUserLocationType
	)-OPTIONAL,
	seq13 [13] SEQUENCE (
	<u>ISMS-SHDSCCIDTIONKIHIINGIA KIHINGIA</u>

```
seg14 [14] SEQUENCE [
       lsms-subscriptionLNPType LNPType,
       -npac-subscriptionLNPType LNPType
    seq15 [15] SEQUENCE {
      -npac-subscriptionWSMSC-DPC DPC
   -) OPTIONAL,
   seq16 [16] SEOUENCE (
       -lsms-subscriptionWSMSC-SSN SSN,
      npac subscriptionWSMSC SSN SSN
    + OPTIONAL
}____
ModifyAction::= SEQUENCE (
    subscription-version-action [0] EXPLICIT SubscriptionVersionAction,
   version-status [1] VersionStatus OPTIONAL,
   -data-to-modify [2] SubscriptionModifyData
ᆉ
ModifyReply ::= SEQUENCE {
   -status SubscriptionVersionActionReply,
   -invalid-data SubscriptionModifyInvalidData OPTIONAL
+
NetworkAddressInformation ::= SET OF SEQUENCE {
   interfaceAddress OSI-Address,
   systemType SystemType
+
NetworkDownloadCriteria ::= SEQUENCE {
   time-range [0] TimeRange OPTIONAL,
   chc1 [1] EXPLICIT CHOICE {
       service-prov [0] ServiceProvId,
       -all-service-provs [1] NULL
   chc2 [2] EXPLICIT CHOICE [-- A decision was made by
                               - NANC to leave this structure a CHOICE of
                               CHOICEs instead of using one CHOICE to

    simplify tagging

       -npa-nxx-data [0] EXPLICIT CHOICE {
           -npa-nxx-range [0] NPA-NXX-Range,
          all-npa-nxx [1] NULL
        }_
        <del>lrn-data [1] EXPLICIT CHOICE {</del>
           lrn-range [0] LRN-Range,
         +
       -all-network-data [2] NULL
+
NetworkDownloadData ::= SET OF SEQUENCE {
   service-prov-data [0] SEQUENCE {
       -service-prov-id ServiceProvId,
       service-prov-name ServiceProvName OPTIONAL
    },
```

```
service-prov-npa-nxx-data [1] NPA-NXX-DownloadData OPTIONAL,
    service-prov-lrn-data [2] LRN-DownloadData OPTIONAL
NetworkNotificationRecoveryAction ::= TimeRange
NetworkNotificationRecoveryReply ::= SEQUENCE {
   -status ENUMERATED (
       -success (0),
       -failed (1),
      -time-range-invalid (2),
       -criteria-to-large (3),
       -no-data-selected (4)
   system-choice CHOICE {
       -lsms [1] SET OF SEQUENCE {
           -managedObjectClass ObjectClass,
           managedObjectInstance ObjectInstance,
           -notification CHOICE {
               subscription-version-new-npa-nxx [1] VersionNewNPA-NXX-
Recovery,
               lnp-npac-sms-operational-information [2]
                   NPAC-SMS-Operational-InformationRecovery
        +,
        soa [2] SET OF SEQUENCE (
            managedObjectClass ObjectClass,
           -managedObjectInstance ObjectInstance,
            notification CHOICE (
               subscription-version-new-npa-nxx [1] VersionNewNPA-NXX-
Recovery,
               subscription version donor sp customer disconnect date [2]
                   VersionCustomerDisconnectDateRecovery,
               subscription-version-audit-discrepancy-report [3]
                  -AuditDiscrepancyRptRecovery,
               subscription-audit-results [4] AuditResultsRecovery,
               lnp-npac-sms-operational-information [5]
                   NPAC-SMS-Operational-InformationRecovery,
               subscription-version-new-sp-create-request [6]
                  -VersionNewSP-CreateRequestRecovery,
               subscription-version-old-sp-concurrence-request [7]
                  -VersionOldSP-ConcurrenceRequestRecovery,
               subscription-version-old-sp-final-window-expiration [8]
                  -VersionOldSPFinalConcurrenceWindowExpirationRecovery,
               subscription-version-cancellation-acknowledge-request [9]
                  -VersionCancellationAcknowledgeRequestRecovery,
               subscriptionVersionStatusAttributeValueChange [10]
                   VersionStatusAttributeValueChangeRecovery,
               attribute-value-change [11] AttributeValueChangeInfo,
               -object-creation [12] ObjectInfo,
               object-deletion [13] ObjectInfo
  -) OPTIONAL
ᆉ
```

NewSP-CreateAction ::= NewSP-CreateData

```
NewSP-CreateData ::= SEQUENCE {
   chc1 [0] EXPLICIT CHOICE {
        subscription-version-tn [0] PhoneNumber,
       -subscription-version-tn-range [1] TN-Range
   +
   -subscription-lrn [1] LRN OPTIONAL,
   -subscription-new-current-sp [2] ServiceProvId,
   subscription-old-sp [3] ServiceProvId,
   subscription-new-sp-due-date [4] GeneralizedTime,
   subscription-class-dpc [6] EXPLICIT DPC OPTIONAL,
   subscription-class-ssn [7] EXPLICIT SSN OPTIONAL,
   subscription-lidb-dpc [8] EXPLICIT DPC OPTIONAL,
    subscription-lidb-ssn [9] EXPLICIT SSN OPTIONAL,
   -subscription-isvm-dpc [10] EXPLICIT DPC OPTIONAL,
   subscription-isvm-ssn [11] EXPLICIT SSN OPTIONAL,
   subscription-cnam-dpc [12] EXPLICIT DPC OPTIONAL,
   subscription-cnam-ssn [13] EXPLICIT SSN OPTIONAL,
   subscription-end-user-location-value [14]
        EndUserLocationValue OPTIONAL,
   subscription end user location type [15] EndUserLocationType OPTIONAL,
   -subscription-billing-id [16] BillingId OPTIONAL,
   -subscription-lnp-type [17] LNPType,
   -subscription-porting-to-original-sp-switch [18]
       SubscriptionPortingToOriginal-SPSwitch,
   subscription-wsmsc-dpc [19] EXPLICIT DPC OPTIONAL,
   subscription-wsmsc-ssn [20] EXPLICIT SSN OPTIONAL
}
NewSP-CreateReply ::= SEQUENCE {
   status [0] SubscriptionVersionActionReply,
    invalid-data [1] NewSP-CreateInvalidData OPTIONAL
+
NewSP-CreateInvalidData ::= CHOICE {
   -subscription-version-tn [0] EXPLICIT PhoneNumber,
   -subscription-version-tn-range [1] EXPLICIT TN-Range,
   subscription-lrn [2] EXPLICIT LRN,
   -subscription-new-current-sp [3] EXPLICIT ServiceProvId,
   subscription-old-sp [4] EXPLICIT ServiceProvId,
   subscription new sp due date [5] EXPLICIT GeneralizedTime,
   subscription-class-dpc [6] EXPLICIT DPC,
   -subscription-class-ssn [7] EXPLICIT SSN,
    subscription-lidb-dpc [8] EXPLICIT DPC,
   -subscription-lidb-ssn [9] EXPLICIT SSN,
    subscription-isvm-dpc [10] EXPLICIT DPC,
   subscription-isvm-ssn [11] EXPLICIT SSN,
   -subscription-cnam-dpc [12] EXPLICIT DPC,
   -subscription-cnam-ssn [13] EXPLICIT SSN,
   -subscription-end-user-location-value [14] EXPLICIT EndUserLocationValue,
   -subscription-end-user-location-type [15] EXPLICIT EndUserLocationType,
   -subscription-billing-id [16] EXPLICIT BillingId,
   -subscription-lnp-type [17] EXPLICIT LNPType,
   -subscription-porting-to-original-sp-switch [18]
      EXPLICIT SubscriptionPortingToOriginal-SPSwitch,
   -subscription-wsmsc-dpc [19] EXPLICIT DPC,
   subscription-wsmsc-ssn [20] EXPLICIT SSN
ᆉ
```

```
NpacAssociationUserInfo ::= SEQUENCE {
   error-code [0] IMPLICIT ErrorCode,
   error-text [1] IMPLICIT GraphicString(SIZE(1..80))
ᆉ
ErrorCode ::= ENUMERATED (
  success (0),
  -access-denied (1),
   retry-same-host (2),
   -try-other-host (3)
+
NPA ::= NumberString(SIZE(3))
NPA-NXX ::= SEQUENCE (
  -npa-value NPA,
   -nxx-value NumberString(SIZE(3))
+
NPA-NXX-DownloadData ::= SET OF SEQUENCE {
      -service-prov-npa-nxx-id NPA-NXX-ID,
      service-prov-download-reason DownloadReason,
     <u>service-prov-npa-nxx-creation-timestamp_GeneralizedTime_OPTIONAL</u>
+
NPA-NXX-ID ::= LnpKey
NPA-NXX-Range ::= SEQUENCE {
  -start-npa-nxx NPA-NXX,
   -stop-npa-nxx NPA-NXX
}
NPAC-SMS-Operational-Information ::= SEQUENCE {
  -down-time TimeRange,
  -npac-contact-number PhoneNumber,
  -additional-down-time-information GraphicString255,
   access-control LnpAccessControl
ᆉ
NPAC-SMS-Operational-InformationRecovery ::= SEQUENCE {
   down-time TimeRange,
   -npac-contact-number PhoneNumber,
   -additional-down-time-information GraphicString255-
+
NumberString ::= GraphicString (FROM ("0" | "1" | "2" | "3" | "4" | "5" |
              <u> "6" | "7" | "8" | "9"))</u>
OldSP-CreateAction ::= OldSP-CreateData
OldSP-CreateData ::= SEQUENCE {
  -chcl [0] EXPLICIT CHOICE {
      -subscription-version-tn [0] PhoneNumber,
       -subscription-version-tn-range [1] TN-Range
   +-
```

```
subscription-new-current-sp [1] ServiceProvId,
   subscription-old-sp [2] ServiceProvId,
    subscription-old-sp-due-date [3] GeneralizedTime,
   subscription old sp authorization [4] ServiceProvAuthorization,
    subscription-status-change-cause-code [5]
SubscriptionStatusChangeCauseCode,
   -subscription-lnp-type [6] LNPType
+
OldSP-CreateReply ::= SEQUENCE {
   status SubscriptionVersionActionReply,
   -invalid-data OldSP-CreateInvalidData OPTIONAL
ᆉ
OldSP-CreateInvalidData ::= CHOICE {
    subscription-version-tn [0] EXPLICIT PhoneNumber,
   subscription-version-tn-range [1] EXPLICIT TN-Range,
   -subscription-new-current-sp [2] EXPLICIT ServiceProvId,
   subscription-old-sp [3] EXPLICIT ServiceProvId,
   subscription-old-sp-due-date [4] EXPLICIT GeneralizedTime,
   -subscription-old-sp-authorization [5] EXPLICIT ServiceProvAuthorization,
  -subscription-status-change-cause-code [6]
      -EXPLICIT SubscriptionStatusChangeCauseCode,
   -subscription-lnp-type [7] EXPLICIT LNPType
+
OSI-Address ::= SEQUENCE {
                  OCTET STRING(SIZE(20)),
   nsap
              OCTET STRING(SIZE(1..4)),
   tsap
    ssap
                   OCTET STRING(SIZE(1..4)),
                   OCTET STRING(SIZE(1..4))
    psap
+
PhoneNumber ::= NumberString(SIZE(10))
RecoveryCompleteAction ::= NULL
RecoveryCompleteReply ::= SEQUENCE {
   status ResultsStatus,
   subscriber-data [1] SubscriptionDownloadData OPTIONAL,
   network-data [2] NetworkDownloadData OPTIONAL
ᆉ
RemoveFromConflictAction ::= SubscriptionVersionAction
RemoveFromConflictReply ::= SubscriptionVersionActionReply
ServiceProvAuthorization ::= BOOLEAN
ServiceProvId ::= GraphicString4
ServiceProvName ::= GraphicString40
SoaUnits ::= SEQUENCE {
   soaMgmt [0] NULL OPTIONAL,
   networkDataMgmt [1] NULL OPTIONAL,
   dataDownload [2] NULL OPTIONAL
ᆉ
```

```
ResultsStatus ::= ENUMERATED {
   success(0),
   failure(1)
╊
SSN ::= CHOICE (
                   [0] INTEGER (0..255),
   -ssn-value-
  -no-value-needed [1] NULL
╊
SubscriptionData ::= SEQUENCE {
   subscription-lrn [1] LRN OPTIONAL,
    subscription-new-current-sp [2] ServiceProvId OPTIONAL,
   -subscription-activation-timestamp [3] GeneralizedTime OPTIONAL,
   subscription-class-dpc [4] EXPLICIT DPC,
   -subscription-class-ssn [5] EXPLICIT SSN,
   -subscription-lidb-dpc [6] EXPLICIT DPC,
   subscription-lidb-ssn [7] EXPLICIT SSN,
   subscription-isvm-dpc [8] EXPLICIT DPC,
   -subscription-isvm-ssn [9] EXPLICIT SSN,
   -subscription-enam-dpc [10] EXPLICIT DPC,
   subscription-enam-ssn [11] EXPLICIT SSN,
   -subscription-end-user-location-value [12]
        EndUserLocationValue OPTIONAL,
   -subscription-end-user-location-type [13] EndUserLocationType OPTIONAL,
   subscription billing-id [14] BillingId OPTIONAL,
   subscription-lnp-type [15] LNPType,
   -subscription_download_reason [16] DownloadReason,
   subscription-wsmsc-dpc [17] EXPLICIT DPC OPTIONAL,
   -subscription-wsmsc-ssn [18] EXPLICIT SSN OPTIONAL
╞
SubscriptionDownloadCriteria ::= CHOICE {
   time-range [0] TimeRange,
   -tn [1] PhoneNumber,
   -tn-range [2] TN-Range
+
SubscriptionDownloadData ::= SET OF SEQUENCE {
   subscription-version-id [0] SubscriptionVersionId,
   subscription-version-tn [1] PhoneNumber OPTIONAL,
   -subscription-data SubscriptionData
+
SubscriptionModifyData ::= SEQUENCE {
   -subscription-lrn [0] LRN OPTIONAL,
   subscription new sp due date [1] GeneralizedTime OPTIONAL,
   subscription-old-sp-due-date [2] GeneralizedTime OPTIONAL,
   -subscription-old-sp-authorization [3] ServiceProvAuthorization OPTIONAL,
   -subscription-class-dpc [4] EXPLICIT DPC OPTIONAL,
  -subscription-class-ssn [5] EXPLICIT SSN OPTIONAL,
   -subscription-lidb-dpc [6] EXPLICIT DPC OPTIONAL,
  subscription-isvm-dpc [8] EXPLICIT DPC OPTIONAL,
   -subscription-isvm-ssn [9] EXPLICIT SSN OPTIONAL,
   subscription-cnam-dpc [10] EXPLICIT DPC OPTIONAL,
   subscription-cnam-ssn [11] EXPLICIT SSN OPTIONAL,
```

```
subscription-end-user-location-value [12] EndUserLocationValue OPTIONAL,
   subscription-end-user-location-type [13] EndUserLocationType OPTIONAL,
    subscription-billing-id [14] BillingId OPTIONAL,
   subscription-status-change-cause-code [15]
       -SubscriptionStatusChangeCauseCode OPTIONAL,
   -subscription-wsmsc-dpc [16] EXPLICIT DPC OPTIONAL,
   -subscription-wsmsc-ssn [17] EXPLICIT SSN OPTIONAL
+
SubscriptionModifyInvalidData ::= CHOICE (
   subscription-lrn [0] EXPLICIT LRN,
   subscription new sp due date [1] EXPLICIT GeneralizedTime,
   subscription old sp due date [2] EXPLICIT GeneralizedTime,
   subscription-old-sp-authorization [3] EXPLICIT ServiceProvAuthorization,
   subscription-class-dpc [4] EXPLICIT DPC,
   subscription-class-ssn [5] EXPLICIT SSN,
   subscription-lidb-dpc [6] EXPLICIT DPC,
   -subscription-lidb-ssn [7] EXPLICIT SSN,
   subscription-isvm-dpc [8] EXPLICIT DPC,
   subscription-isvm-ssn [9] EXPLICIT SSN,
   -subscription-cnam-dpc [10] EXPLICIT DPC,
   -subscription-cnam-ssn [11] EXPLICIT SSN,
   -subscription-end-user-location-value [12] EXPLICIT EndUserLocationValue,
   -subscription-end-user-location-type [13] EXPLICIT EndUserLocationType,
  -subscription-billing-id [14] EXPLICIT BillingId,
   -subscription-status-change-cause-code [15]
         EXPLICIT SubscriptionStatusChangeCauseCode,
   subscription-wsmsc-dpc [16] EXPLICIT DPC,
   -subscription-wsmsc-ssn [17] EXPLICIT SSN
+
SubscriptionPortingToOriginal-SPSwitch ::= BOOLEAN-
SubscriptionPreCancellationStatus ::= ENUMERATED {
  -conflict (0),
  -pending (2),
   -disconnect-pending (6)
+
SubscriptionStatusChangeCauseCode ::= CHOICE {
                   [0] INTEGER,
   value
   no-value-needed [1] NULL
╀
SubscriptionVersionAction ::= CHOICE (
   subscription-version-action-key [0] EXPLICIT SubscriptionVersionActionKey,
   -subscription-version-tn-range [1] TN-Range
+
SubscriptionVersionActionKey ::= CHOICE {
   version-id [0] SubscriptionVersionId,
  tn [1] PhoneNumber
+
SubscriptionVersionActionReply ::= ENUMERATED {
   -success (0),
   failed (1),
    soa-not-authorized (2),
```

```
no-version-found (3),
   invalid-data-values (4),
   version-create-already-exists (5)
}
SubscriptionVersionId ::= LnpKey
SubscriptionVersionObject ::= SEQUENCE {
   tn-version-id SET OF TN-VersionId,
   subscription-data SubscriptionData
+
TimeRange ::= SEQUENCE {
   startTime [0] GeneralizedTime,
   stopTime [1] GeneralizedTime
+
SystemID ::= CHOICE {
   -serviceProvId [0] ServiceProvId,
   -npac-sms [1] GraphicString60
+
SystemType ::= ENUMERATED {
   -soa(0),
   -local-sms(1),
   soa-and-local-sms(2), -- value will not be supported initially
                          -- by some NPAC SMS implementations;
                             value will be removed in the next major
                    -- release of the IIS
   -npac-sms(3) -- value is only valid for AccessControl definition
┣
TN-Range ::= SEQUENCE {
   -tn-start NumberString(SIZE(10)),
   -tn-stop NumberString(SIZE(4))
+
TN-VersionId ::= SEQUENCE (
   -tn PhoneNumber,
   version-id SubscriptionVersionId
ᆉ
VersionCancellationAcknowledgeRequest ::= SEQUENCE {
   -tn PhoneNumber,
   -version-id LnpKey,
   -access-control LnpAccessControl
+
VersionCancellationAcknowledgeRequestRecovery ::= SEQUENCE {
  -tn PhoneNumber,
   -version-id LnpKey-
}
VersionCreateConcurrenceRequest ::= SEQUENCE {
   -tn PhoneNumber,
   version-id LnpKey,
   -service-prov-id ServiceProvId,
   service-prov-due-date GeneralizedTime,
```

```
service-prov-authorization-creation-time-stamp GeneralizedTime,
   -access-control LnpAccessControl,
   subscription-timer-type [0] Integer OPTIONAL,
   subscription business type [1] Integer OPTIONAL
+
VersionCreateConcurrenceRequestRecovery ::= SEQUENCE {
  -tn [0] PhoneNumber,
  -version-id [1] LnpKev,
   -service-prov-id [2] ServiceProvId,
   -service-prov-due-date [3] GeneralizedTime,
   service-prov-authorization-creation-time-stamp [4] GeneralizedTime,
   -subscription-timer-type [5] Integer OPTIONAL,
   subscription-business-type [6] Integer OPTIONAL
+
VersionCustomerDisconnectDate ::= SEQUENCE {
   -tn PhoneNumber,
  -version-id LnpKey,
   -service-prov-customer-disconnect-date GeneralizedTime,
   service prov effective release date GeneralizedTime OPTIONAL,
  -access-control LnpAccessControl
+
VersionCustomerDisconnectDateRecovery ::= SEQUENCE {
   -tn PhoneNumber,
  service prov customer disconnect date GeneralizedTime,
   -service-prov-effective-release-date GeneralizedTime OPTIONAL-
+
VersionNewNPA-NXX ::= SEQUENCE (
   service-prov-npa-nxx-id NPA-NXX-ID,
 service prov npa nxx effective time stamp GeneralizedTime,
  -service-prov-id ServiceProvId,
  -access-control LnpAccessControl
+
VersionNewNPA-NXX-Recovery ::= SEQUENCE {
   -service-prov-npa-nxx-id NPA-NXX-ID,
   service-prov-npa-nxx-value NPA-NXX OPTIONAL,
   -service-prov-npa-nxx-effective-time-stamp GeneralizedTime,
   service-prov-id ServiceProvId
ᆉ
VersionNewSP-CreateRequest ::= SEQUENCE (
   version create request [0] VersionCreateConcurrenceRequest,
 service prov old authorization [1] ServiceProvAuthorization,
  -subscription-status-change-cause-code [2]
      -SubscriptionStatusChangeCauseCode
+
VersionNewSP-CreateRequestRecovery ::= SEQUENCE {
   version-create-request [0] VersionCreateConcurrenceRequestRecovery,
   -service-prov-old-authorization [1] ServiceProvAuthorization,
   -subscription-status-change-cause-code [2]
       -SubscriptionStatusChangeCauseCode-
```

```
VersionOldSP ConcurrenceRequest ::= VersionCreateConcurrenceRequest
VersionOldSP-ConcurrenceRequestRecovery ::=
   VersionCreateConcurrenceRequestRecovery-
VersionOldSPFinalConcurrenceWindowExpiration ::= SEQUENCE {
   -tn PhoneNumber,
   version-id LnpKey,
   -access-control LnpAccessControl,
   -subscription-timer-type [0] Integer OPTIONAL,
   -subscription-business-type [1] Integer OPTIONAL
ᆉ
VersionOldSPFinalConcurrenceWindowExpirationRecovery ::= SEQUENCE {
   tn [0] PhoneNumber,
  -version-id [1] LnpKey,
   -subscription-timer-type [2] Integer OPTIONAL,
   -subscription-business-type [3] Integer OPTIONAL
+
VersionStatus ::= ENUMERATED {
   -conflict (0),
   -active (1),
   pending (2),
   -sending (3),
   -download-failed (4),
   -download-failed-partial (5),
   -disconnect-pending (6),
   -old(7)
   -canceled (8),
   -cancel-pending (9)
╊
VersionStatusAttributeValueChange ::= SEQUENCE {
   -value-change-info [0] AttributeValueChangeInfo,
   failed-service-provs [1] Failed-SP-List OPTIONAL,
   -subscription-status-change-cause-code [2]
     -SubscriptionStatusChangeCauseCode
    OPTIONAL,
   -access-control [3] LnpAccessControl
+
VersionStatusAttributeValueChangeRecovery ::= SEQUENCE {
    value-change-info [0] AttributeValueChangeInfo,
   failed-service-provs [1] Failed-SP-List OPTIONAL,
   -subscription-status-change-cause-code [2]
     -SubscriptionStatusChangeCauseCode
      - OPTIONAL
+
END -- LNP-ASN1
```

+

## 8 Managed Object Conformance Statements

## 8.1 Overview

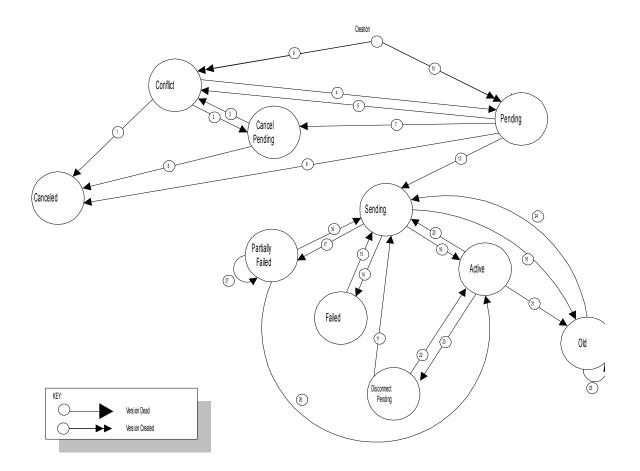
The Managed Object Conformance Statement (MOCS) that follow should be used by an implementation to identify which features and properties of each managed object class are supported. These tables have been prepared without regard to whether they are instantiated on the NPAC SMS, Local SMS, or the SOA.

The Base Status headings identify the requirements, as stated in the GDMO template. The valid values in the status columns will be as follows:

- m for characteristics contained in mandatory packages or in conditional packages if the GDMO condition is always true
- o for characteristics of conditional packages with GDMO conditions that indicate static optionality (e.g., "if an instance supports it")
- c for a conditional status expression
- x for characteristics explicitly prohibited in the definition
- for characteristics that are not mentions in the definition

## 9

## 9 Subscription Version Status



	Version Status Interaction Descriptions			
#	Interaction Name	Туре	Description	
	Conflict to Canceled	NPAC SMS Internal	NPAC SMS automatically sets a Subscription Version in conflict directly to canceled after it has been in conflict for a tunable number of calendar days.	
		SOA to NPAC SMS Interface or NPAC Operations Interface - NPAC Personnel	The old Service Provider User (or NPAC personnel acting on behalf of the Service Provider) sends a cancellation requestforrequest for a Subscription Version created by that Service Provider with a status of conflict that has not been concurred by the other new Service Provider.	
	Conflict to Cancel Pending	NPAC Operations Interface - NPAC Personnel	User cancels a Subscription Version in conflict or cancels a Subscription Version that was created by or concurred to by both Service Providers.	

Interaction Name	Туре	eraction Descriptions Description
Interaction Ivanie	SOA to NPAC SMS	User sends a cancellation request for a Subscription Version
	Interface	that was created by or concurred to by both Service Providers.
Cancel Pending to Conflict	NPAC Operations Interface - NPAC Personnel	User sets a Subscription Version with a status of cancel pending to conflict.
	NPAC SMS Internal	NPAC SMS automatically sets a Subscription Version with a status of cancel pending to conflict if cancel pending acknowledgment has not been received from the new Service Provider within a tunable timeframe.
Conflict to Pending	NPAC Operations Interface - NPAC Personnel and SOA to NPAC SMS Interface - Old Service Provider	User removes a Subscription Version from conflict.
	SOA to NPAC SMS Interface - New Service Provider	New Service Provider User removes a Subscription Version from conflict. This action can only occur if a tunable number of hours have elapsed since the Subscription Version was placed in conflict.
Pending to Conflict	NPAC Operations Interface - NPAC Personnel	<ol> <li>User sets a Subscription Version with a status of pending to conflict.</li> <li>User creates a Subscription Version for an existing pending Subscription Version for the old Service Provider and does not provide authorization for the transfer of service</li> </ol>
	SOA to NPAC SMS Interface - Old Service Provider	Old Service Provider sends a Subscription Version creation o modification request for a Subscription Version with a status of pending, which revokes the old Service Provider's authorization for transfer of service. This action can only be taken once, and must be taken a tunable number of hours prior to the new Service Provider due date.
Pending to Canceled	NPAC Operations Interface - NPAC Personnel	User cancels a Subscription Version with a status of pending that has not been concurred by both service providers.
	SOA to NPAC SMS Interface	Service Provider User sends a cancellation request for a Subscription Version created by that Service Provider with a status of pending that has not been concurred by the other Service Provider.
	NPAC SMS Internal	<ol> <li>NPAC SMS automatically sets a pending Subscription Version to canceled after authorization for the transfer o service has not been received from the new Service Provider within a tunable timeframe.</li> <li>NPAC SMS automatically sets a pending Subscription Version to canceled if an activation request is not received</li> </ol>
Pending to	NPAC Operations	a tunable amount of time after new Service Provider due date. User cancels a Subscription Version with a status of pending
Cancel Pending	Interface - NPAC Personnel SOA to NPAC SMS	that has been created/concurred by both Service Providers. Service Provider User sends a cancellation request for a
	Interface	Subscription Version with a status of pending that has been concurred by the other Service Provider.
Cancel Pending to Canceled	NPAC SMS Internal	NPAC SMS automatically sets a cancel pending Subscription Version to canceled after receiving cancel pending acknowledgment from the concurring Service Provider, the final cancellation concurrence window has expired without cancel concurrence from the old Service Provid

		Version Status Int	eraction Descriptions
#	Interaction Name	Туре	Description
	Creation - Set to Conflict	NPAC Operations Interface - NPAC Personnel	User creates a Subscription Version for the old Service Provider and does not provide authorization for the transfer of service.
		SOA to NPAC SMS Interface - Old Service Provider	User sends an old Service Provider Subscription Version creation request and does not provide authorization for th transfer of service.
	Creation - Set to Pending	NPAC Operations Interface - NPAC Personnel	User creates a Subscription Version for either the new or old Service Provider. If the create is for the old Service Provider and authorization for the transfer of service is not provided, refer to # 9, Creation - Set to Conflict, NPAC Operations Interface.
		SOA to NPAC SMS Interface	User sends a Subscription Version creation request for either the new or old Service Provider. If the create is for the old Service Provider, and authorization for the transfer of service is not provided, refer to # 9, Creation - Set to Conflict, SOA to NPAC SMS Interface.
	Disconnect Pending to Sending	NPAC SMS Internal	NPAC SMS automatically sets a deferred disconnect pending Subscription Version to sending after the effective release date is reached.
	Pending to Sending	NPAC Operations Interface - NPAC Personnel	User activates a pending Subscription Version for a Subscription Version with a new Service Provider due date less than or equal to today.
		SOA to NPAC SMS Interface - New Service Provider	New Service Provider User sends an activation message for a pending Subscription Version for a Subscription Version with a new Service Provider due date less than or equal to today.
	Sending to Failed	NPAC SMS Internal	NPAC SMS automatically sets a Subscription Version from sending to failed after all Local SMSs fail Subscription Version activation after the tunable retry period expires.
	Failed to Sending	NPAC Operations Interface - NPAC Personnel	User re-sends a failed Subscription Version.
	Partially Failed to Sending	NPAC Operations Interface - NPAC Personnel	User re-sends a partial failure Subscription Version.
,	Sending to Partially Failed	NPAC SMS Internal	NPAC SMS automatically sets a Subscription Version from sending to partial failure after one or more, but not all, of the Local SMSs fail the Subscription Version activation after the tunable retry period expires.
	Sending to Old	NPAC SMS Internal	NPAC SMS automatically sets a sending Subscription Version to old after a disconnect or "porting to original" port to al Local SMSs successfully completes. Disconnects that fai on one or more, but not all, Local SMSs will also be set to old.
	Sending to Active	NPAC SMS Internal	<ol> <li>NPAC SMS automatically sets a sending Subscription Version to active after the Subscription Version activation is successful in all of the Local SMSs.</li> <li>NPAC SMS automatically sets a sending Subscription Version to active after the Subscription Version modification is successfully broadcast to any of the Local SMSs after all have responded.</li> <li>NPAC SMS automatically sets a sending Subscription Version to active after a failure to all Local SMSs on a disconnect.</li> </ol>
	Active to Sending	NPAC Operations Interface - NPAC Personnel	User disconnects an active Subscription Version and does not supply an effective release date, or User modifies an active Subscription Version or resends a failed disconnect or modify.

		Version Status Inte	raction Descriptions
#	Interaction Name	Туре	Description
		SOA to NPAC SMS Interface - Current Service Provider	User sends a disconnect request for an active Subscription Version and does not supply an effective release date, or User modifies an active Subscription Version.
	Active to Old	NPAC SMS Internal	NPAC SMS automatically sets the currently active Subscription Version to old once a currently active subscription version is superceded by a pending subscription version, due to the fact that the current version is set to old when an activate occurs. The new pending version is set to sending and then to active, partially failed, or old. On a disconnect the sending state accursoccurs before the old.
	Disconnect Pending to Active	NPAC Operations Interface - NPAC Personnel	User cancels a Subscription Version with a disconnect pendin status.
		SOA to NPAC SMS Interface - New Service Provider	User sends a cancellation request for a disconnect pending Subscription Version.
	Active to Disconnect Pending	NPAC Operations Interface - NPAC Personnel	User disconnects an active Subscription Version and supplies future effective release date.
		SOA to NPAC SMS Interface - Current Service Provider	User sends a disconnect request for an active Subscription Version and supplies a future effective release date.
	Old to Sending	NPA Operations Interface – NPAC Personnel	User re-sends a partial failure of a disconnect or partial failur or failure of a port-to-original Subscription Version.
	Old to Old	NPAC SMS Internal	NPAC SMS automatically sets a Subscription Version from c to old after one or more previously failed Local SMSs successfully disconnect a Subscription Version, as a resu of an audit or LSMS recovery. The Failed_SP_List is updated to reflect the updates to the previously failed SI
26	Partially Failed to Active	NPAC SMS Internal	NPAC SMS automatically sets a Subscription Version from partial failure to active after all previously failed Local SMSs successfully activate a Subscription Version, as a result of an audit or LSMS recovery. The Failed_SP_Li is updated to reflect the updates to the previously failed SPs.
27	Partially Failed to Partially Failed	NPAC SMS Internal	NPAC SMS automatically sets a Subscription Version from partial failure to partial failure after one or more, but no all previously failed Local SMSs successfully activate a Subscription Version, as a result of an audit or LSMS recovery. The Failed_SP_List is updated to reflect the updates to the previously failed SPs.