NPAC SMS INTEROPERABLE INTERFACE SPECIFICATION

NANC Version 3.0.23.1.0 <u>FINAL</u>

Prepared for: The North American Numbering Council (NANC)

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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.

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

<u>Section 4 *Interface Functionality to CMOP Definition Mapping*</u> -- 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 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.

<u>Appendix C</u> *Midwest Region Number Pooling Message Flow Diagrams* -- This appendix is deleted in Release 3.0.0.

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 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.

1.4.3 Release 3.0

NANC Version 3.0.0, released on 1/28/00 and 2/14/00 (revised version), contains changes from the NANC IIS Version 2.0.2.

NANC Version 3.0.1, released on 6/6/00, contains the following changes from the NANC IIS Version 3.0.0:

- Change Order NANC 303 R3 IIS documentation-only updates
- Change Order NANC 309 Block Transition Diagram in FRS and IIS

NANC Version 3.0.2, released on 9/11/00, contains the following changes from the NANC IIS Version 3.0.0:

• Updated Part 2 IIS Flow diagrams

1.4.4 <u>Release 3.1</u>

NANC Version 3.1.0, released on 8/24/01, contains the following changes from the NANC IIS Version 3.0.2:

- Change Order NANC 179 TN Range Notifications
- Change Order NANC 240 No cancellation of SVs based on expiration of T2 Timer
- <u>Change Order NANC 294 Changing Due Date Edit Functionality in the NPAC SMS</u> for 7pm on Due Date Problems
- Change Order NANC 305 R3 ASN.1 documentation-only updates
- Change Order NANC 324 IIS Document Only Change Flow B.5.4.7.3: Subscription Version Disconnect With Effective Release Date
- <u>Change Order NANC 325 GDMO Document Only Change 4.0 LNP Subscription</u> Version Cancel Action
- <u>Change Order NANC 326 IIS Document Only Change Flow B.5.6: Subscription</u> Version Query
- Change Order NANC 329 Prioritization of SOA Notifications
- Change Order NANC 330 IIS Doc-Only Changes to Multiple Flows
- <u>Change Order NANC 331 New "SubscriptionVersion Create: No Create Action</u> from the New Service Provider SOA After Concurrence Window" Flow

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 3.10.0, February, 2000 August 22, 2001.

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, which includes daylight savings
(standard/daylight)	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	Request for Proposal
RSA	Encryption Scheme
SOA	Service Order Activation
SMS	Service Management System
TMN	Telecommunications Management Network
TN	Telephone Number
WSMSC	Wireless Short Message Service Center

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, shall 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		User		
7		CMISE, ACSE, ROSE	Application	
6		ANSI T1.224	Presentation	
5		ANSI T1.224	Session	
4		TCP, RFC1006, TPO	Transport	
3		IP	Network	

Layer	Mechanized Interface	Function
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 data and number pool block data changes, needed 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.
- SOA requests for number pool block administration (creation and modification) to the NPAC SMS and responses from the NPAC SMS to the SOA.

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 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 ensure 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 use of an NPA-NXX occurs from a subscription version or number pool block creation. Each SOA notification is assigned a priority of high, medium, low or none. The category of **none** indicates that a Service Provider does not want to receive a particular notification. Notifications are then sent in order of priority from high to low. SOA Service Providers can receive single or range versions of some notifications. If the service provider's TN Range Notification Indicator is turned **OFF** in their service provider profile on the NPAC SMS, the following notifications will be sent: Attribute Value Change for subscriptionVersionNPAC objects Object Creation for subscriptionVersionNPAC objects subscriptionVersionCancellationAcknowledgeRequest subscriptionVersionDonorSP-CustomerDisconnectDate subscriptionVersionNewSP-CreateRequest subscriptionVersionNewSP-FinalCreateWindowExpiration subscriptionVersionOldSP-ConcurrenceRequest subscriptionVersionOldSPFinalConcurrenceWindowExpiration subscriptionVersionStatusAttributeValueChange If the service provider's TN Range Notification Indicator is turned ON, the following notifications will be sent: subscriptionVersionRangeAttributeValueChange for subscriptionVersionNPAC objects subscriptionVersionRangeCancellationAcknowledgeRequest subscriptionVersionRangeDonorSP-CustomerDisconnectDate subscriptionVersionRangeNewSP-FinalCreateWindowExpiration subscriptionVersionRangeNewSP-CreateRequest subscriptionVersionRangeObjectCreation for subscriptionVersionNPAC objects subscriptionVersionRangeOldSP-ConcurrenceRequest subscriptionVersionRangeOldSPFinalConcurrenceWindowExpiration subscriptionVersionRangeStatusAttributeValueChange Notifications can be recovered by the SOA from the NPAC SMS. Notifications to be recovered are requested by time range and are recovered in the order the NPAC SMS attempted to sent them. -

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 recovered using a recovery request that is sent from the SOA to the NPAC SMS. The SOA then receives the data to be recovered in the request response. Network data to be recovered 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, an LRN range or all LRN 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 in the recovery response.

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

2.3.6 Number Pool Block Administration

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 Personnel can initiate the removal of 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, number pool block 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 recovered using a recovery request that is sent from the Local SMS to the NPAC SMS. The Local SMS then receives the data to be recovered in the request response. Subscription data to be recovered 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 recovered can be requested by time-range, NPA-NXX-X or NPA-NXX-X range. Network data to be recovered 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 in the recovery response.

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 ensure 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 or number pool block by a serviceProvNPA-NXX-X creation.

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.

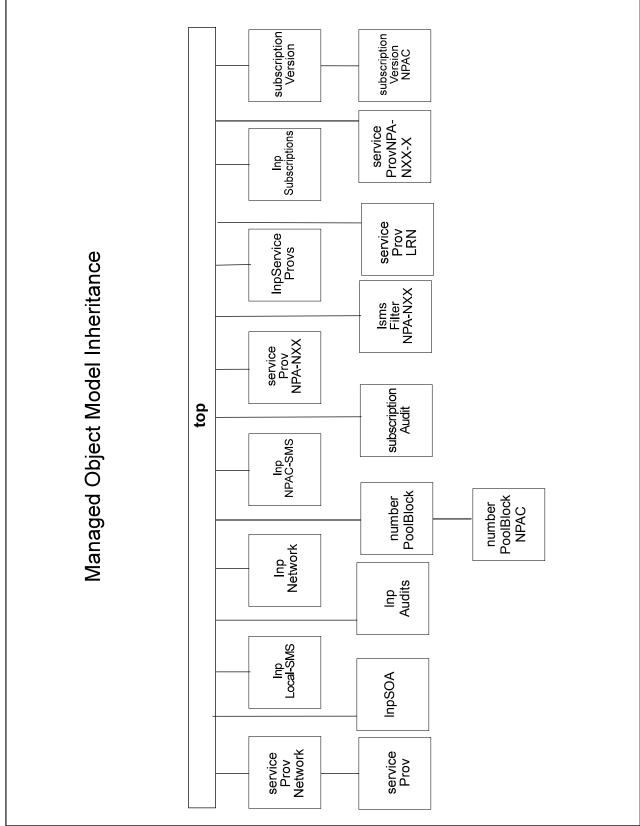
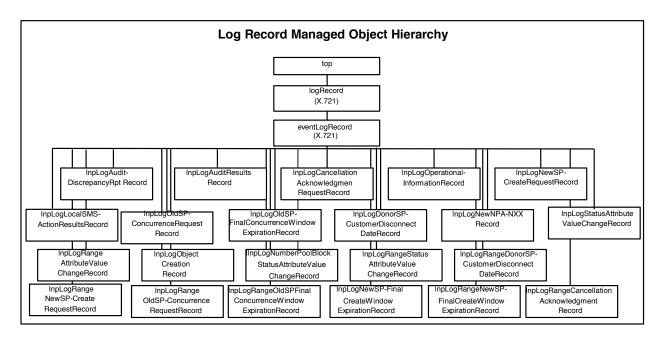


Exhibit 2. The Managed Object Model Inheritance Hierarchy

3.1.2 Log Record Managed Object Hierarchy



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.

Each object class belongs to one or more Association Functions. Refer to *Section 5.2.1.8, Association Functions*.

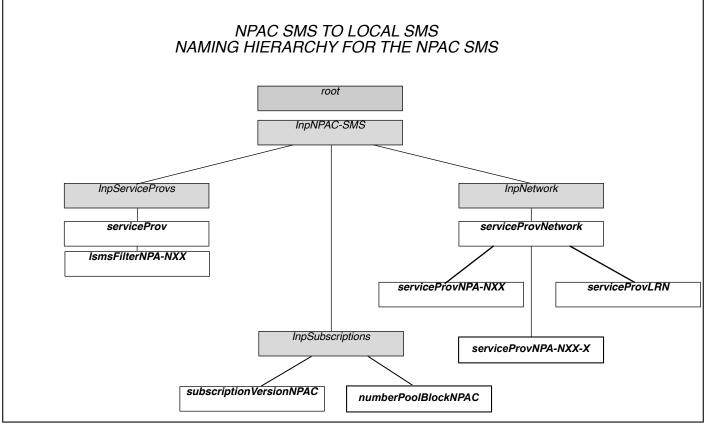


Exhibit 4. The NPAC SMS to Local SMS Naming Hierarchy for the NPAC SMS.

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.

Each object class belongs to one or more Association Functions. Refer to *Section 5.2.1.8, Association Functions*.

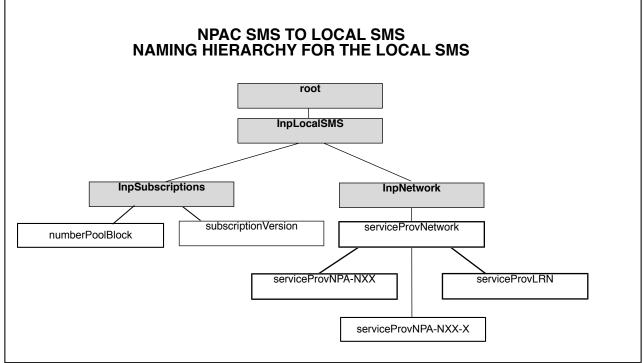


Exhibit 5. The NPAC SMS to Local SMS Naming Hierarchy for the Local SMS.

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.

Each object class belongs to one or more Association Functions. Refer to *Section 5.2.1.8, Association Functions*.

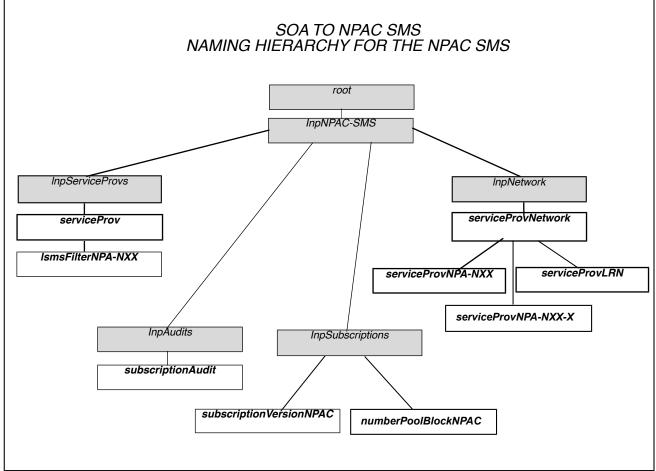


Exhibit 6. The SOA to NPAC SMS Naming Hierarchy for the NPAC SMS.

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.

Each object class belongs to one or more Association Functions. Refer to Section 5.2.1.8, Association Functions.

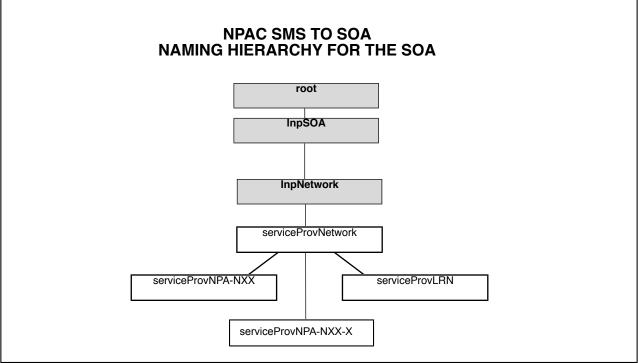


Exhibit 7. NPA SMS to SOA Naming Hierarchy for the SOA.

4

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 <u>or</u> <u>subscriptionVersionRangeDonorSP-</u> <u>CustomerDisconnectDate</u>	subscriptionVersionNPAC or <u>InpSubscriptions</u>
Final Request for Version Create	to SOA (old service provider)	M-EVENT-REPORT: subscriptionVersionOldSP-	subscriptionVersionNPAC

Exhibit 8. Primary NPAC Mechanized Interface Operations Table

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

Function	Direction (To/From)	CMIP Operation	Referenced Object Type
Block Create		for a single numberPoolBlock	
Number Pool Block Modify	from SOA	M-SET: to a single numberPoolBlock	numberPoolBlockNPAC or InpSubscriptions
Number Pool Block Modify	to LOCAL SMS	MSET: to a single numberPoolBlock or scoped and filtered by NPA-NXX-X range for mass update	numberPoolBlock or lnpSubscriptions
Number Pool Block Delete	to LOCAL SMS	M-DELETE: for a single numberPoolBlock	numberPoolBlock
Number Pool Block Query	from LOCAL SMS or SOA	M-GET: To a single numberPoolBlockNPAC or scoped and filtered for intended numberPoolBlocks	InpSubscriptions numberPoolBlockNPAC
Number Pool Block Query	to LOCAL SMS	M-GET: scoped and filtered for intended numberPoolBlock	InpSubscriptions
Notification Recovery	from LOCAL SMS or from SOA	M-ACTION: InpNotificationRecovery	InpNPAC-SMS
Recovery Complete	from LOCAL SMS or from SOA	M-ACTION: InpRecoveryComplete	lnpNPAC-SMS
Request for Cancellation Acknowledg- ment	to SOA	M-EVENT-REPORT: subscription VersionCancellationAcknowledgment Request <u>or</u> subscriptionVersionRangeCancellationAc knowledgeRequest	subscriptionVersionNPAC or InpSubscriptions
Request for Version Create	to SOA (new service provider)	M-EVENT-REPORT: subscriptionVersionNewSP-Create Request <u>or</u> <u>subscriptionVersionRangeNewSP-</u> <u>CreateRequest</u>	subscriptionVersionNPAC
Request for Version Create	to SOA (old service provider)	M-EVENT-REPORT: subscriptionVersionOldSP-Concurrence Request or <u>subscriptionVersionRangeOldSP-</u> <u>ConcurrenceRequest</u>	subscriptionVersionNPAC or <u>InpSubscriptions</u>
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

Function	Direction (To/From)	CMIP Operation	Referenced Object Type
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 Version Cancel	from SOA	M-ACTION subscriptionVersionCancel	InpSubscriptions
Subscription Version Change Notification	to SOA	M-EVENT-REPORT: attributeValueChangeNotification <u>and or</u> subscriptionVersionStatusAttributeValue Change <u>or</u> <u>subscriptionVersionRangeAttribute</u> <u>ValueChange</u> <u>subscriptionVersionRangeStatusAttribute</u>	subscriptionVersionNPAC or InpSubscriptions
Subscription Version Conflict	from SOA (old service provider)	ValueChange 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
Subscription Version Create	from SOA	for an individual subscriptionVersion 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	InpSubscriptions

Function	Direction (To/From)	CMIP Operation	Referenced Object Type
		M-SET: on relevant subscriptionVersionNPAC attributes for pending and conflict versions	
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 relevant attributes	InpSubscriptions
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
lnpAudits	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.
InpLogAuditResultsRecord	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.
lnpLogNumberPoolBlockSt atusAttributeValueChangeR	Object used to log information from a numberPoolBlockStatusAttributeValueChange notification.

Managed Object Name ecord	Interface Functionality Mapping
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
InpLogOperational- InformationRecord	Object used to log information from a InpNPAC-SMS-Operational-Information notification.
InpLogRangeAttributeValue ChangeRecord	Object used to log information from a lnpLogRangeAttributeValueChange notification.
InpLogRangeObjectCreatio nRecord	Object used to log information from a lnpLogRangeObjectCreation notification.
InpLogRangeStatusAttribut eValueChangeRecord	Object used to log information from a lnpLogRangeStatusAttributeValueChange notification.
InpLogRangeDonorSP- CustomerDisconnectDateRe cord	Object used to log information from a lnpLogRangeDonorSP- CustomerDisconnectDate notification.
InpLogRangeCancellationA cknowledgeRecord	Object used to log information from a lnpLogRangeCancellationAcknowledge notification.
InpLogRangeNewSP- CreateRequestRecord	Object used to log information from a lnpLogRangeNewSP-CreateRequest notification.
InpLogRangeNewSP- FinalCreateWindowExpirati onRecord	Object used to log information from a lnpLogRangeNewSP- FinalCreateWindowExpiration notification.
<u>InpLogNewSP-</u> <u>FinalCreateWindowExpirati</u> <u>onRecord</u>	Object used to log information from a lnpLogNewSP-FinalCreateWindowExpiration_ notification_
InpLogRangeOldSP- ConcurrenceRequestRecord	Object used to log information from a lnpLogRangeOldSP-ConcurrenceRequest notification.
InpLogRangeOldSPFinalCo ncurrenceWindowExpiratio nRecord	Object used to log information from a InpLogRangeOldSPFinalConcurrenceWindowExpiration notification.
lnpLogStatusAttributeValue ChangeRecord	Object used to log information from a subscriptionVersionStatusAttributeValueChange notification.
lnpNetwork	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

Managed Object Name	Interface Functionality Mapping
	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 and number pool blocks 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 and number pool block data on the NPAC SMS and downloading of subscription and number pool block data 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 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-

Interface Functionality to CMIP Definition Mapping

Managed Object Name	Interface Functionality Mapping
	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, number pool block 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 RemoveFromConflict	This action is used on the NPAC SMS via the SOA to NPAC SMS interface to set the subscription version status from conflict to pending.

Action Name	Interface Requirements Mapping
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 or subscriptionVersionRangeNewSP- CancellationAcknowledge	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
	The NPAC SMS sends the appropriate notification depending upon the Service Provider's TN Range Notification Indicator.
subscriptionVersionDonorSP- CustomerDisconnectDate <u>or</u> <u>subscriptionVersionRangeDonorSP-</u> <u>CustomerDisconnectDate</u>	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
	The NPAC SMS sends the appropriate notification

Notification Name	Interface Requirements Mapping
	depending upon the Service Provider's TN Range Notification Indicator.
subscriptionVersionLocalSMS-ActionResults	This notification contains the results of a subscriptionVersionLocalSMS-Create action once all the 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 NPA-NXX.
subscriptionVersionNewSP-CreateRequest or subscriptionVersionRangeNewSP-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
	The NPAC SMS sends the appropriate notification depending upon the Service Provider's TN Range Notification Indicator.
subscriptionVersionNewSPFinalCreateWindow Expiration or subscriptionVersionRangeNewSPFinalCreateWindow Expiration	This notification is issued to the new and old service provider, if they support the Final Create Window Expiration Notification in their Service Provider profile, to inform them of the expiration of the Final Concurrence Window on the NPAC SMS. This notification is issued from the NPAC SMS to the SOA via the SOA to NPAC SMS interface.The NPAC SMS sends the appropriate notification depending upon the Service Provider's TN Range
aukamintian Varsian OldSD. Consumman and Deguast an	Notification Indicator.
subscriptionVersionOldSP-ConcurrenceRequest or subscriptionVersionRangeOldSP-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
	The NPAC SMS sends the appropriate notification depending upon the Service Provider's TN Range Notification Indicator.
subscriptionVersionStatusAttributeValueChange <u>or</u> subscriptionVersionRangeStatusAttributeValue Change	This notification is issued when the subscription version status is modified. This notification is issued from the NPAC SMS to the SOA via the SOA to NPAC SMS interface. from the subscriptionVersionNPAC object.
	The NPAC SMS sends the appropriate notification depending upon the Service Provider's TN Range Notification Indicator.
sSubscriptionVersionOldSPFinalConcurrenceWindow	This notification is issued to the old service provider to

Interface Functionality to CMIP Definition Mapping

Notification Name	Interface Requirements Mapping
Expiration <u>or</u> subscriptionVersionRangeOldSPFinalConcurrence WindowExpiration	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.
	The NPAC SMS sends the appropriate notification depending upon the Service Provider's TN Range Notification Indicator.
subscriptionVersionRangeAttributeValueChange	This notification or the Attribute Value Change notificationis sent when specified attributes have been updated. Thisnotification is issued via the SOA to NPAC SMS interface.The NPAC SMS sends the appropriate notificationdepending upon the Service Provider's TN RangeNotification Indicator.
subscriptionVersionRangeObjectCreation	This notification or the object creation notification is sent when a subscriptionVersionNPAC object has been created. This notification is issued via the SOA to NPAC SMS interface.
	<u>The NPAC SMS sends the appropriate notification</u> depending upon the Service Provider's TN Range Notification Indicator.

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 baseManagedObjectClass of one of the following:

- InpNPAC-SMS
- InpServiceProvs

Scoped operations for subscriptionVersions or numberPoolBlocks 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..
- 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 filtering is applied to the actions for the subscriptionVersion object.
M-GET	Y	TN Range with greaterOrEqual, lessOrEqual, equality must be supported for auditing.
M-SET	Y	TN Range with greaterOrEqual, lessOrEqual, equality must be supported for Mass Update or TN range modify requests.
M-DELETE	Y	TN Range with greaterOrEqual, lessOrEqual, equality will be supported for range disconnect or port to original requests.

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

CMISE Primitives	Filter Supported	Notes
M-ACTION	N	No filtering is applied to the actions for the number pool block object.
M-GET	Y	NPA-NXX-X Range with greaterOrEqual, lessOrEqual, equality must be supported for auditing.
M-SET	Y	NPA-NXX-X Range with greaterOrEqual, lessOrEqual, equality must be supported for Mass Update modify requests.
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 ensure 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 or numberPoolBlockNPAC, you will receive an error "no such action" from each object specified by the filter.

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 lnpLocal-SMS object will be the service provider ID followed by a dash and the lnpNPA-SMS Name (*e.g.*, 9999-Midwest Regional NPAC SMS).

NPAC Customer Ids	NPAC SMS Region	InpNPAC-SMS-Name
0000	Midwest	Midwest Regional NPAC SMS

Interface Functionality to CMIP Definition Mapping

NPAC Customer Ids	NPAC SMS Region	InpNPAC-SMS-Name
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	2:9:0:0:2 (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.

4.7 Number Pool Block M_DELETE Messages

M_DELETE commands are not sent for number pool blocks set to old as a result of subsequent porting activity. M_DELETEs for number pool blocks are only sent as a result of de-pool. Local SMS systems are responsible for deletion of the number pool blocks in their Local SMS database due to the fact that some LSMS implementations may choose to retain old number pool blocks 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 ensure a secure communication for both the SOA to NPAC SMS interface and the NPAC SMS to Local SMS interface:

```
LnpAccessControl ::= SEQUENCE {
    systemId
                     [0] SystemID,
    systemType
                      [1]
                          SystemType,
                      [2]
    userId
                          GraphicString60 OPTIONAL,
    listId
                          INTEGER,
                      [3]
                      [4]
    keyId
                          INTEGER,
    cmipDepartureTime [5] GeneralizedTime,
    sequenceNumber
                     [6] INTEGER (0...4294967295),
                     [7] AssociationFunction,
    function
    recoveryMode [8] BOOLEAN signature
    signature
                      [9] 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 not supported
    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 by the service provider providing SOA services (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 can exist for one or more Network Service Access Points (NSAP).
		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 LSMS interface. The NPAC 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 provider's 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 reused. 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 ensure 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
	JUA	
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		
serviceProvNetwork		
serviceProv-NPA-NXX		
serviceProvNPA-NXX-X		
LSMS Network and Subscription Data Download		0x08

Exhibit 16 Association Functions

Association Request Initiator	SOA	Local SMS
Association Function		
Classes:		
InpNetwork		
InpSubscriptions		
SOA Network Data Download	0x20	
Classes:		
InpNetwork		0x10
Query Outbound from the NPAC SMS Classes:		0210
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 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*.

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 ensures 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 ensure 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:

- Ensure the systemId is present and valid for the association.
- Ensure the sequence number is 0.
- Ensure 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:

- Ensure the systemId is present and valid for the association. (Note: the userId field is not required for Local SMS and NPAC SMS associations).
- Ensure the sequence number is 0.
- Ensure 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:

- Ensure 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.
- Ensure the sequence number is the next sequence number expected. (In this case 1).
- Ensure 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. For range ObjectCreation and AttributeValueChange notifications the access control would not be placed in the information attribute but rather in the access control attribute defined. This would allow for the access control information to only be present once in the range notifications.

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)
}
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
```

```
ł
```

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 Error Handling

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 processing, 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 "x by y" retry functionality (where "x" is the number of attempts, and "y" is the interval in number of minutes in between attempts) 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

6 GDMO Definitions

6.1 Overview

The GDMO interface definitions (gdmo_v3_ $0_2_0512001_0_081001$) 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**

```
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,
        lnpAuditsBehavior;
   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.
   1;
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 InpAudits 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".
```

GDMO Definitions
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.
Created at startup of the CMIT agent software on the Wike SMS.
<u>;</u>
2.0 LNP Local SMS Managed Object Class
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
<u>lnpLocalSMS-Pkg;</u>
REGISTERED AS {LNP-OIDS.lnp-objectClass 2};
InpLocalSMS-Pkg PACKAGE
BEHAVIOUR
lnpLocalSMS-Definition,
lnpLocalSMS-Behavior;
ATTRIBUTES
lnpLocal-SMS-Name GET;
<u>;</u>
<u>lnpLocalSMS-Definition BEHAVIOUR</u>
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.
<u>;</u>
lnpLocalSMS-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
<u>a unique identifier for the Local SMS for the NPAC SMS to</u>
Local SMS Interface.
Only one of these objects will exist and it will only be
<u>created at startup of the CMIP agent software on the Local</u>
SMS.
<u>!;</u>
3.0 LNP Log Record for the Subscription Audit Local SMS Discrepancy Report
lnpLogAudit-DiscrepancyRptRecord MANAGED OBJECT CLASS
DERIVED FROM "CCITT Rec. X.721 (1992) ISO/IEC 10165-2 :
1992":eventLogRecord;
CHARACTERIZED BY
<pre>lnpLogAudit-DiscrepancyRptPkg;</pre>
<pre>REGISTERED AS {LNP-OIDS.lnp-objectClass 3};</pre>
InpLogAudit-DiscrepancyRptPkg PACKAGE
BEHAVIOUR
lnpLogAudit-DiscrepancyRptDefinition,
lnpLoqAudit-DiscrepancyRptBehavior;

ATTRIBUTES	
auditDiscrepancyTn GET,	
auditDiscrepancyVersionId GET,	
auditDiscrepancyLSMS-SP-Id GET,	
auditDiscrepancyFailureReason GET,	
accessControl GET;	
<i>i</i>	
<pre>lnpLogAudit-DiscrepancyRptDefinition BEHAVIOUR</pre>	
DEFINED AS !	
The lnpLogAudit-DiscrepancyRptRecord class is the managed	
<u>object that is used to create log records for the</u>	
subscriptionAudit-DiscrepancyRpt Notification.	
<u>!;</u>	
<u>lnpLogAudit-DiscrepancyRptBehavior BEHAVIOUR</u>	
DEFINED AS !	
This log record can be used by any CME wanting to log the	
subscriptionAudit-DiscrepancyRpt Notification.	
<u>;</u>	
4.0 LNP Log Record for the Subscription Audit Results	
<pre>lnpLogAuditResultsRecord MANAGED OBJECT CLASS</pre>	
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>lnpLogAuditResultsDefinition</u> ,	
<u>lnpLogAuditResultsBehavior;</u>	
ATTRIBUTES	
auditResultStatus GET,	
auditResultFailed-SP-List GET,	
auditResultNumberDiscrepancies GET,	
auditResultCompletionTime GET,	
accessControl GET;	
<i>i</i>	
<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	
InpLogCancellationAcknowledgeReguestRecord MANAGED OBJECT CLASS	

lnpLogCancellationAcknowledgeRequestRecord MANAGED OBJECT CLASS

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

;
<u>lnpLogNewSP-CreateRequestDefinition BEHAVIOUR</u>
DEFINED AS !
<u>The lnpLogNewSP-CreateRequestRecord class is the managed</u>
<u>object that is used to create log records for the</u>
subscriptionVersionNewSP-CreateRequest Notification.
<u> </u>
<pre>lnpLoqNewSP-CreateRequestBehavior BEHAVIOUR</pre>
DEFINED AS !
This log record can be used by any CME wanting to log the
<pre>subscriptionVersionNewSP-CreateRequest Notification.</pre>
!;
8.0 LNP Log Record for the Subscription Version Old SP Concurrence Request
Notification
<pre>lnpLogOldSP-ConcurrenceRequestRecord MANAGED OBJECT CLASS</pre>
DERIVED FROM "CCITT Rec. X.721 (1992) ISO/IEC 10165-2 :
<u>1992":eventLogRecord;</u>
CHARACTERIZED BY
<pre>lnpLogOldSP-ConcurrenceRequestPkg;</pre>
CONDITIONAL PACKAGES
subscriptionTimerTypePkg PRESENT IF
!present if the Old SP SOA supports timer type!,
subscriptionBusinessTypePkg PRESENT IF
<pre>!present if the Old SP SOA supports business type!;</pre>
<pre>REGISTERED AS {LNP-OIDS.lnp-objectClass 8};</pre>
<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;
;
InpLogOldSP-ConcurrenceRequestDefinition BEHAVIOUR
DEFINED AS !
The lnpLogOldSP-ConcurrenceRequestRecord class is the managed
object that is used to create log records for the
subscriptionVersionOldSP-ConcurrenceRequest Notification.
<u> </u>
lant ogoldSP-CongurrongoPoguostPohawi or PEUMUTOUP
InpLogOldSP-ConcurrenceRequestBehavior BEHAVIOUR
DEFINED AS !
This log record can be used by any CME wanting to log the
subscriptionVersionOldSP-ConcurrenceRequest Notification.
<u>!;</u>

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

<pre>InpLogStatusAttributeValueChangeDefinition BEHAVIOUR DEFINED AS ! The InpLogStatusAttributeValueChangeRecord class is the managed object that is used to create log records for the subscriptionVersionStatusAttributeValueChange Notification. !; InpLogStatusAttributeValueChangeBehavior BEHAVIOUR DEFINED AS ! This log record can be used by any CME wanting to log the subscriptionVersionStatusAttributeValueChange Notification. !; 11.0 LNP Network Managed Object Class InpNetwork MANAGED OBJECT CLASS</pre>
The lnpLogStatusAttributeValueChangeRecord class is the managed object that is used to create log records for the subscriptionVersionStatusAttributeValueChange Notification.
<pre>object that is used to create log records for the subscriptionVersionStatusAttributeValueChange Notification. !; InpLoqStatusAttributeValueChangeBehavior BEHAVIOUR DEFINED AS ! This log record can be used by any CME wanting to log the subscriptionVersionStatusAttributeValueChange Notification. !; 11.0 LNP Network Managed Object Class</pre>
<pre>subscriptionVersionStatusAttributeValueChange Notification.</pre>
<pre>!; InpLoqStatusAttributeValueChangeBehavior BEHAVIOUR DEFINED AS ! This log record can be used by any CME wanting to log the subscriptionVersionStatusAttributeValueChange Notification. !; 11.0 LNP Network Managed Object Class</pre>
<pre>InpLogStatusAttributeValueChangeBehavior BEHAVIOUR DEFINED AS ! This log record can be used by any CME wanting to log the subscriptionVersionStatusAttributeValueChange Notification. !; 11.0 LNP Network Managed Object Class</pre>
DEFINED AS ! This log record can be used by any CME wanting to log the subscriptionVersionStatusAttributeValueChange Notification.
This log record can be used by any CME wanting to log the subscriptionVersionStatusAttributeValueChange Notification.
<pre>subscriptionVersionStatusAttributeValueChange Notification. /// // // 11.0 LNP Network Managed Object Class</pre>
11.0 LNP Network Managed Object Class
11.0 LNP Network Managed Object Class
InpNetwork MANAGED OBJECT CLASS
DERIVED FROM "CCITT Rec. X.721 (1992) ISO/IEC 10165-2 : 1992":top;
CHARACTERIZED BY
lnpNetworkPkg;
CONDITIONAL PACKAGES
InpDownloadPkg PRESENT IF
!the object is instantiated on the NPAC SMS!;
<pre>REGISTERED AS {LNP-OIDS.lnp-objectClass 11};</pre>
InpNetworkPkg PACKAGE
BEHAVIOUR
lnpNetworkBehavior;
ATTRIBUTES
lnpNetworkName GET;
;
<u>lnpNetworkDefinition BEHAVIOUR</u>
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
This package is used for initiating from the Local SMS or SOA
downloading of serviceProvNetwork, serviceProvNPA-NXX,
modification, or deletion to the Local SMS or SOA from
InpNetworkBehavior BEHAVIOUR
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 NPAC SMS can M-GET any lnpNetwork
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".

Only one of these objects will evist and it will only be
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>
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,
<pre>lnpRecoveryCompletePkg, lnpNotificationRecoveryPkg;</pre>
REGISTERED AS {LNP-OIDS.lnp-objectClass 12};
<u>lnpNPAC-SMS-Pkg PACKAGE</u> <u>BEHAVIOUR</u>
lnpNPAC-SMS-Behavior;
ATTRIBUTES
<u>lnpNPAC-SMS-Name GET;</u>
NOTIFICATIONS
<u>lnpNPAC-SMS-Operational-Information</u> ,
subscriptionVersionNewNPA-NXX;
<i>i</i>
<pre>lnpNPAC-SMS-Definition BEHAVIOUR</pre>
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.
<u>!;</u>
lnpNPAC-SMS-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 and SOA can M-GET any lnpNPAC-SMS object.
A local SMS and SOA can M GET any INDATAC SMS ODject.
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 InnNDAG-CMC-Onerational Information will be used to ratify
The lnpNPAC-SMS-Operational-Information will be used to notify service provider SOA and Local SMS systems of planned outages.
Solito plottade con and hour one by blomb of planned budgeb.

The subscriptionVersionNewNPA-NXX is used to support
number pooling.
13.0 LNP Service Providers Managed Object Class
lnpServiceProvs MANAGED OBJECT CLASS
DERIVED FROM "CCITT Rec. X.721 (1992) ISO/IEC 10165-2 : 1992":top;
CHARACTERIZED BY
lnpServiceProvsPkg;
<pre>REGISTERED AS {LNP-OIDS.lnp-objectClass 13};</pre>
<u>lnpServiceProvsPkg_PACKAGE</u>
BEHAVIOUR
lnpServiceProvsDefinition,
lnpServiceProvsBehavior;
ATTRIBUTES
lnpServiceProvsName GET;

lnpServiceProvsDefinition BEHAVIOUR
DEFINED AS !
The InpServiceProvs class is the managed object that is
used as the container object for the serviceProv
objects on the NPAC SMS. This object has been created
for scoping efficiency.
<u>;</u>
<u>lnpServiceProvsBehavior BEHAVIOUR</u> <u>DEFINED AS !</u>
NPAC SMS Managed Object used for the Local SMS to NPAC
SMS and SOA to NPAC SMS interfaces.
<u>A Local SMS and service provider SOA can M-GET any</u>
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 "InpServiceProvs".
Only and of these shipsts will evict and it will enly be evented
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
InpSubscriptions MANAGED OBJECT CLASS
DERIVED FROM "CCITT Rec. X.721 (1992) ISO/IEC 10165-2 : 1992":top;
CHARACTERIZED BY
<u>lnpSubscriptionsPkg</u>
<pre>subscriptionVersionLocalSMS-CreatePkg;</pre>
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 !the object is instantiated on the NPAC SMS!, subscriptionVersionModifyPkg PRESENT IF !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!, subscriptionVersionRemoveFromConflictPkg PRESENT IF !the object is instantiated on the NPAC SMS!, numberPoolBlock-CreatePkg PRESENT IF !the object is instantiated on the NPAC SMS!, subscriptionVersionRangeStatusAttributeValueChangePkg PRESENT IF !the object is instantiated on the NPAC SMS!, subscriptionVersionRangeAttributeValueChangePkg PRESENT IF !the object is instantiated on the NPAC SMS!, subscriptionVersionRangeObjectCreationPkg PRESENT IF !the object is instantiated on the NPAC SMS!, subscriptionVersionRangeDonorSP-CustomerDisconnectDatePkg PRESENT IF !the object is instantiated on the NPAC SMS!, subscriptionVersionRangeCancellationAcknowledgePkg PRESENT IF !the object is instantiated on the NPAC SMS!, subscriptionVersionRangeNewSP-CreateRequestPkg PRESENT IF !the object is instantiated on the NPAC SMS!, subscriptionVersionRangeOldSP-ConcurrenceRequestPkg PRESENT IF !the object is instantiated on the NPAC SMS!, subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationPkg PRESENT ΙF !the object is instantiated on the NPAC SMS!, subscriptionVersionRangeNewSP-FinalCreateWindowExpirationPkg PRESENT IF !the object is instantiated on the NPAC SMS!; REGISTERED AS {LNP-OIDS.lnp-objectClass 14}; lnpSubscriptionsPkg PACKAGE BEHAVIOUR lnpSubscriptionsDefinition, lnpSubscriptionsBehavior; ATTRIBUTES lnpSubscriptionsName GET; NOTIFICATIONS subscriptionVersionLocalSMS-ActionResults; ; InpSubscriptionsDefinition BEHAVIOUR 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.

!;	
<u> </u>	<u>criptionsBehavior BEHAVIOUR</u>
DEF	INED 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
	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
	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.
	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 a
	InpSubscriptions object instantiated on the NPAC SMS. This
	package is used for creation of subscription versions for
	porting TNs by the old service provider.
	<u></u>
	The subscriptionVersionNewSP-CreatePkg will only be used for a
	lnpSubscriptions object instantiated on the NPAC SMS. This
	package is used for creation of subscription versions for
	porting TNs by the new service provider.
	The subscriptionVersionDisconnectPkg will only be used for a
	InpSubscriptions object instantiated on the NPAC SMS. This
	package is used for disconnection of a ported TN by the current
	service 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
	InpSubscriptions 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
	InpSubscriptions 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 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
	with status values of cancel-pending. This action is used by the old service provider SOA.

	GDMO Definitions
	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.
	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
	<u>lnpSubscriptions object instantiated on the NPAC SMS. This</u>
	package is used for creation of number pool blocks.
	The SOA receives subscriptionVersionRangeStatusAttributeValueChange
	notifications if their Service Provider TN Range Notification
	Indicator is set to TRUE on the NPAC SMS. The
	subscriptionVersionRangeStatusAttributeValueChangePkg is used to
	send the subscriptionVersionRangeStatusAttributeValueChange
	notification. When this package is sent, it will include one set
	of information for the TN range, plus a list of Subscription Version
	IDs. If the feature data does not apply to all TNs in the original
	range, notifications will be broken up into smaller TN Range
	Notifications such that the feature data applies to all TNs in
	the smaller TN Range, and will be sent in separate messages.
	The CON received subcarintianVersionDengeNttributeVelueChange
	The SOA receives subscriptionVersionRangeAttributeValueChange
	notifications if their Service Provider TN Range Notification
	Indicator is set to TRUE on the NPAC SMS. The
	subscriptionVersionRangeAttributeValueChangePkg is used to send the
	subscriptionVersionRangeAttributeValueChange notification. When this
	package is sent, it will include one set of information for the
	TN range, plus a list of Subscription Version IDs. If the feature
	data does not apply to all TNs in the original range, notifications
	will be broken up into smaller TN Range notifications such that the
	feature data applies to all TNs in the smaller TN Range, and will
	<u>be sent in separate messages.</u>
	The SOA receives subscriptionVersionRangeObjectCreation notifications
	if their Service Provider TN Range Notification Indicator is set to
	TRUE on the NPAC SMS. The subscriptionVersionRangeObjectCreationPkg
	is used to send the subscriptionVersionRangeObjectCreation
	notification. When this package is sent, it will include one set
	of information for the TN range, plus a paired list of TN/Subscription
	Version ID combinations. If the feature data does not apply to all
	TNs in the range, notifications will be broken up into smaller
	TN Range Notifications such that the feature data applies to all
	TNs in the smaller TN Range, and will be sent in separate messages.
	The SOA receives subscriptionVersionRangeDonorSP-
Custome	<u>rDisconnectDate</u>
	notifications if their Service Provider TN Range Notification
	Indicator is set to TRUE on the NPAC SMS. The
	subscriptionVersionRangeDonorSP-CustomerDisconnectDatePkg is used to
	send the subscriptionVersionRangeDonorSP-CustomerDisconnectDate
	notification. When this package is sent, it will include one set
	of information for the TN range, plus a paired list of TN/Subscription

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GDMO Definition:
notifications if their Service Provider TN Range Notification
Indicator is set to TRUE on the NPAC SMS. The
SubscriptionVersionRangeNewSP-FinalCreateWindow-ExpirationPkg is
used to send the
subscriptionVersionRangeNewSP-FinalCreateWindowExpiration
notification. When this package is sent, it will include one set
of information for the TN range, plus a paired list of
does not apply to all TNs in the range, notifications will be
broken up into smaller TN Range Notifications such that the
feature data applies to all TNs in the smaller TN Range, and will
<u>be sent in separate messages.</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
serviceProvLSMS-AddressPkg PRESENT IF
serviceProvConflictAddressPkg PRESENT IF
!the service provider has conflict resolution interface
address and contact information!,
serviceProvOperationsAddressPkg PRESENT IF
!the service provider has operations address and contact
information!,
serviceProvRepairCenterInfoPkg PRESENT IF
!the service provider has repair contact information!,
serviceProvSecurityAddressPkg PRESENT IF
serviceProvUserAdminAddressPkg PRESENT IF
the service provider has user administration interface address
and contact information!;
REGISTERED AS {LNP-OIDS.lnp-objectClass 15};
serviceProvPkg PACKAGE
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.
<u>;</u>
<u>serviceProvBehavior_BEHAVIOUR</u>
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.
If any of the contact data is modified, ALL contact information must
be sent. Any missing contact data is presumed to be a deletion if
the data currently exists on the NPAC SMS. Note: this behaviour is
not following current CMIP standards.
<u> </u>
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
serviceProvLRN-Pkg;
REGISTERED AS {LNP-OIDS.lnp-objectClass 16};
serviceProvLRN-Pkg PACKAGE
BEHAVIOUR
serviceProvLRN-Definition,
serviceProvLRN-Behavior;
ATTRIBUTES
serviceProvLRN-ID GET,
serviceProvLRN-Value GET,
serviceProvDownloadReason GET,
serviceProvLRN-CreationTimeStamp GET;
<u>;</u>
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 SMS to
NPAC SMS and SOA to NPAC SMS interfaces.
Mine bill and bon to wine bill interfaces.
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.
date and time when the object is cleated.
NPAC SMS can M-GET, M-DELETE and M-CREATE any
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.
the wird SMS for initial instantiation, of flow a download request.
<u>A Local SMS or SOA can M-GET any serviceProvLRN object (Network Data</u>
Functional Unit).
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
<u>DERIVED FROM "CCITT Rec. X.721 (1992) ISO/IEC 10165-2 : 1992":top;</u>
CHARACTERIZED BY
serviceProvNetworkPkg;
REGISTERED AS {LNP-OIDS.lnp-objectClass 17};
serviceProvNetworkPkg PACKAGE
BEHAVIOUR
serviceProvNetworkDefinition,
serviceProvNetworkBehavior;
ATTRIBUTES
serviceProvID GET,
serviceProvName GET-REPLACE;
serviceProvNetworkDefinition BEHAVIOUR
DEFINED AS !
<u>The serviceProvNetwork class is the managed object</u>
used to contain the network data for a service provider.
<u>!;</u>
<u>serviceProvNetworkBehavior BEHAVIOUR</u>
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
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>
<u>serviceProvNPA-NXX-Pkg PACKAGE</u>
BEHAVIOUR
serviceProvNPA-NXX-Definition,
serviceProvNPA-NXX-Behavior;
ATTRIBUTES
serviceProvNPA-NXX-Value GET,
serviceProvNPA-NXX-EffectiveTimeStamp GET,
serviceProvDownloadReason GET,
<pre>serviceProvNPA-NXX-CreationTimeStamp GET;</pre>
<u>;</u>
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.
porerng.
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
object can only be deleted via the Local SMS or SOA interface. The
serviceProvNPA-NXX-ID is specified by the NPAC SMS. The
serviceProvNPA-NXX-CreationTimeStamp will be set to the current
NDAC CMC can M-CET M-DELETE and M CDEATE and a contraction NVV
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.

GDMO Delm
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
provider id specified in the access control
(Network Data Association Function). Attempts to
<u>take actions on unauthorized service provider objects will</u>
<u>be rejected.</u>
A Local SMS or SOA can not modify any of the attributes.
To cause an NPA-NXX split to occur the service provider must
contact the NPAC SMS operations personnel.
;
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
subscriptionAuditTN-ActivationRangePkg PRESENT IF
!the audit is being done on an activation data range!;
REGISTERED AS {LNP-OIDS.lnp-objectClass 19};
subscriptionAuditPkg PACKAGE
BEHAVIOUR
subscriptionAuditDefinition,
subscriptionAuditBehavior;
ATTRIBUTES
subscriptionAuditId GET,
subscriptionAuditName_GET,
<u>subscriptionAuditStatus GET,</u>
subscriptionAuditAttributeList GET,
subscriptionAuditTN-Range GET,
subscriptionAuditServiceProvIdRange GET,
subscriptionAuditNumberOfTNs GET,
subscriptionAuditNumberOfTNsComplete GET,
subscriptionAuditRequestingSP_GET;
NOTIFICATIONS
subscriptionAuditResults,
subscriptionAudit-DiscrepancyRpt,
<u>"CCITT Rec. X.721 (1992) ISO/IEC 10165-2 :</u> <u>1992":attributeValueChange</u>
accessControlParameter,
accessControlParameter,
"CCITT Rec. X.721 (1992) ISO/IEC 10165-2 : 1992":objectDeletion
accessControlParameter;
;
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>

<u>subscri</u>	<u>IptionAuditBehavior BEHAVIOUR</u>
DEF	FINED AS !
	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
	of the subscriptionAuditTN-ActivationRange, if an audit is
	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.
	who requested the addre.
	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.
	bet to the value of the beatting in beation.
	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
	<u>managed objects on the NPAC SMS (SOA Management Function).</u>
	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.
	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.
	<u>For audits involving TNs that are within a pooled block or</u>
	subscription versions with an LNPType of 'pool', the NPAC SMS
	will query subscription version objects from the non-EDR Local
	will query subscription version objects from the non-EDR Local SMS and it will query the number pool block object and subscription
	will query subscription version objects from the non-EDR Local
	will query subscription version objects from the non-EDR Local SMS and it will query the number pool block object and subscription
	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'.
	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

GDMO Definition
is in error, the discrepancy will be reported as all TNs within the
audit range. Subscription version discrepancies will be reported
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.
<u>!;</u>
20.0 LNP subscription Version Managed Object Class
20.0 INT Subscription version Managed object crass
subscriptionVersion MANAGED OBJECT CLASS
DERIVED FROM "CCITT Rec. X.721 (1992) ISO/IEC 10165-2 : 1992":top;
CHARACTERIZED BY
subscriptionVersionPkg;
CONDITIONAL PACKAGES
subscriptionWSMSC-DataPkg PRESENT IF
<pre>!the service provider is supporting WSMSC information!;</pre>
REGISTERED AS {LNP-OIDS.lnp-objectClass 20};
subscriptionVersionPkg_PACKAGE
BEHAVIOUR
subscriptionVersionDefinition,
subscriptionVersionBehavior;
ATTRIBUTES
subscriptionVersionId GET,
subscriptionIN 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,
subscriptionCNAM-DPC GET-REPLACE,
subscriptionCNAM-SSN GET-REPLACE,
subscriptionISVM-DPC GET-REPLACE,
subscriptionISVM-SSN GET-REPLACE,
subscriptionEndUserLocationValue GET-REPLACE,
subscriptionEndUserLocationType GET-REPLACE,
subscriptionBillingId GET-REPLACE,
subscriptionLNPType GET-REPLACE,
<pre>subscriptionDownloadReason GET-REPLACE; ;</pre>
subscriptionVersionDefinition BEHAVIOUR
DEFINED AS !
The subscriptionVersion class is the managed object that
represents a subscription version on the Local SMS.
;

subscriptionVersionBehavior BEHAVIOUR

GDMO Definitio
DEFINED AS !
Local SMS Managed Object used for the NPAC SMS to Local SMS
Interface.
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
NPAC SMS and is read 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.
<u>request is received from the new service provider.</u>
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.
When the subscription version disconnect is broadcast,
the subscriptionVersionDonorSP-CustomerDisconnectDate is
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.
The Local SMS must be able to support a scoped request (M-GET,
M-SET, M-DELETE) with a filter for equality and ordering on the
subscriptionTN from the NPAC SMS.
<u>!;</u>
21.0 LNP NPAC Subscription Version Managed Object Class
aubacriptionNergionNDAC MANACED OD JECH CLACK
subscriptionVersionNPAC MANAGED OBJECT CLASS DERIVED FROM subscriptionVersion;
CHARACTERIZED BY
subscriptionVersionNPAC-Pkg;
REGISTERED AS {LNP-OIDS.lnp-objectClass 21};
subscriptionVersionNPAC-Pkg PACKAGE
BEHAVIOUR
subscriptionVersionNPAC-Definition,
subscriptionVersionNPAC-Behavior;
SUBSCIPCIONVERSIONNIAC BENAVIOL,

	ODINO Delline
subscriptionVersionStatus GET-REPLACE,	
subscriptionOldSP GET-REPLACE,	
subscriptionNewSP-DueDate GET-REPLACE,	
subscriptionNewSP-CreationTimeStamp GET-REPLACE,	
subscriptionOldSP-DueDate GET-REPLACE,	
subscriptionOldSP-Authorization GET-REPLACE,	
subscriptionStatusChangeCauseCode GET-REPLACE,	
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,	
subscriptionModifiedTimeStamp GET-REPLACE,	
subscriptionOldTimeStamp GET-REPLACE,	
subscriptionOldSP-CancellationTimeStamp GET-REPLACE,	
subscriptionNewSP-CancellationTimeStamp GET-REPLACE,	
subscriptionOldSP-ConflictResolutionTimeStamp GET-REPLACE,	
subscriptionNewSP-ConflictResolutionTimeStamp GET-REPLACE,	
subscriptionNews1 conflictNessOldtonfliceStamp GET REFLACE,	
subscriptionPreCancellationStatus GET-REPLACE,	
subscriptionTimerType GET,	
subscriptionBusinessType GET;	
NOTIFICATIONS	
subscriptionVersionOldSP-ConcurrenceRequest,	
subscriptionVersionNewSP-CreateRequest,	
subscriptionVersionOldSPFinalConcurrenceWindowExpiration,	
subscriptionVersionNewNPA-NXX,	
subscriptionVersionCancellationAcknowledgeRequest,	
subscriptionVersionDonorSP-CustomerDisconnectDate,	
subscriptionVersionStatusAttributeValueChange,	
<pre>subscriptionVersionNewSP-FinalCreateWindowExpiration, "CCITT Rec. X.721 (1992) ISO/IEC 10165-2 :</pre>	
<u>1992":attributeValueChange</u>	
accessControlParameter,	maation
<u>"CCITT Rec. X.721 (1992) ISO/IEC 10165-2 : 1992":objectC</u>	reation
accessControlParameter;	
<i>i</i>	
subscriptionVersionNPAC-Definition BEHAVIOUR	
DEFINED AS !	
The subscriptionVersionNPAC class is the managed object	
that represents a subscription version on the NPAC SMS.	
!;	
subscriptionVersionNPAC-Behavior BEHAVIOUR	
DEFINED AS !	1 01/0
NPAC SMS Managed Object for the SOA to NPAC SMS and the Lo	<u>cal SMS</u>
to NPAC SMS interface.	
A Local SMS can M-GET any subscriptionVersionNPAC objects	
from the NPAC SMS via the Local SMS Interface (Data Downlo	ad
Association Function).	
A Service Provider SOA can M-GET any subscriptionVersionNP	
objects from the NPAC SMS via the SOA Interface (SOA Manag	ement

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.

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 current system time.

When the subscription version has its version status set to conflict, the subscriptionConflictTimeStamp is updated with the current system time.

When the subscription version is being disconnected and the firstsuccessful response is received from the Local SMS to thesubscription version disconnect request, thesubscriptionDisconnectCompleteTimeStamp is updated with the currentdate and 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-pendingstate is acknowledged by an old service provider SOA, thesubscriptionOldSP-CancellationTimeStamp is updated with thecurrent system time.

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 removedfrom conflict by the old service provider SOA, thesubscriptionOldSP-ConflictResolutionTimeStamp is updated with thecurrent system time.

When the subscription version in a conflict state is removed

f:	rom conflict by the new service provider SOA, the
S1	ubscriptionNewSP-ConflictResolutionTimeStamp is updated with
t]	he current system time.
W	hen the subscription version broadcast is not successful to all
	ervice providers, the subscriptionFailed-SP-List is populated with a
<u>⊥</u> .	ist of the failed service providers.
	hen the subscription version is created, the subscriptionTimerType
i:	<u>s set according to the type of timer the old and new service</u>
p:	roviders support.
W	hen the subscription version is created, the
	ubscriptionBusinessType is set according to the business days and
	ours selection of the old and new service providers.
	he Service Provider SOA can M-GET and M-SET subscriptionVersionNPAC
0]	<u>bjects via the SOA to NPAC SMS interface (SOA Management Association</u>
F1	unction). Rules for M-SET are described below.
F	or M-GET requests, the filter will support all attributes for
	specified ported TN.
a	specified ported in.
	ny service provider SOA can view any subscription version for any
a	ctive ported TN (SOA Management Association Function).
S	ubscription versions are created on the NPAC SMS via actions over
	he SOA to NPAC SMS interface to the lnpSubscriptions object (SOA
	anagement Association Function). New service provider SOAs must use
	he subscriptionVersionNewSP-Create action and old service
	rovider SOAs must use the subscriptionVersionOldSP-Create action.
<u>C</u> :	<u>reates can be performed provided there is only one</u>
C1	urrently active subscription version for the TN.
SI	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 not be specified. This data is not specified because
	hen the activate occurs for the subscription version, the Local
SI	MS will receive requests to delete the old subscription version
r	outing data in their networks and they will not receive any
	ew network routing data for the subscription. Concurrence from the
	ld service provider is required.
0.	LA DELVICE PIOVIAUL ID IEGALIEA.
-	f the ment of the subscription consists is a line of the
	f the port of the subscription version is an intra-service
	rovider port, the new service provider SOA can use the
S1	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 and processing
	roceeds after a valid pending version is created in the same
ma	anner as it does for inter-service provider porting.
	he new service provider SOA must provide the
S1	ubscriptionWSMSC-DataPkg attributes if the 'NPAC New Functionality
S1	upport' indicator is set for the 'SOA WSMSC DPC SSN Data'
	n their service provider profile on the NPAC SMS.
<u></u>	nce a version has been created that passes validation, the
0	nee a version has been created that passes varidation, the

	GDMO Definition
	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
<u>be</u>	
	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 bell service providers.
	The Coursi of Durani day (O) can M CTT on you on M ACTTON to madify
	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:
	ord service provider soks can only modify the fortowing attributes.
	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-SSN
	subscriptionWSMSC-DPC
	subscriptionWSMSC-SSN
	subscriptionEndUserLocationValue
	subscriptionEndUserLocationType
	subscriptionBillingId
	Upon subscription version creation, the subscriptionOldCD DueDate
	Upon subscription version creation, the subscriptionOldSP-DueDate
	and subscriptionNewSP-DueDate must match. If the due date for the
	and subscriptionNewSP-DueDate must match. If the due date for the port is a previous date, the NPAC SMS accepts a value of a previous
	and subscriptionNewSP-DueDate must match. If the due date for the port is a previous date, the NPAC SMS accepts a value of a previous date from a service provider, in order to match the due date of the
	and subscriptionNewSP-DueDate must match. If the due date for the port is a previous date, the NPAC SMS accepts a value of a previous

	lidation will be done for both old and new service
_	ovider data that is specified on an M-SET. If validation fails,
	changes will be made and a processing failure will be returned.
	the version passes validation, the version status will be
set	to pending. An error message will be returned to the service
pro	ovider if the status is not pending when they attempt to change
the	e version status to cancel-pending.
Onc	ce a pending version has been created, the new service provider
car	n activate the subscription version if the new
ser	rvice provider due date has been reached and the NPA-NXX effective
	te has been reached.
Onc	ce the version is activated, the version status is set to
	nding, the broadcast time stamp is updated, and creates
	e sent to the Local SMSs.
τf	the create requests are successful for all Local SMSs, the
	rsion status will be marked as active and the previously active
	oscription version will have its version status set to old.
Sur	Socription version will have its version status set to oid.
τf	create requests fail for a subscription version after the
	try periods have expired, the version status will be set
	failed or partial failure based on whether the download failed
<u></u>	all or some of the Local SMSs respectively.
Pri	ior to the subscription version becoming active, a status version
	cribute value change will be sent to both old
	d new service providers when the subscriptionVersionStatus is
	dified. If the version status is failed or partial failure then
	list of failed service providers is provided in the
<u>sur</u>	oscriptionVersionStatus notification.
Δα	subscription version can be put into conflict by either the NPAC
	S or by the old service provider explicitly setting the
	oscriptionOldSP-Authorization off.
Sui	SSCHPTIONOLOSP-AUCHOFIZACION OIL.
τf	the old service provider explicitly sets the
	the old service provider explicitly sets the
	oscriptionOldSP-Authorization off, the
sut	<u>oscriptionStatusChangeCauseCode must be given.</u>
m ե -	and convice provider can only not a subcominition version into
	e old service provider can only put a subscription version into
	nflict once and only by explicitly setting the
sut	oscriptionOldSP-Authorization off.
7 6	service provider should acknowledge the cancel pending
	ate within a tunable time frame specified on the NPAC SMS
	th a cancel acknowledgement action.
WIU	th a cancer acknowredgement action.
Ţf	a new service provider SOA fails to acknowledge the cancel pending
	ate, a subscriptionVersionCancellationAcknowledgeRequest is
	nt to the service provider SOA. If they do not respond to this
	knowledgement in a tunable time frame specified on the NPAC SMS,
	e version status will be set to conflict. If the old service
	ils to acknowledge the cancel pending state, the subscription
ver	rsion status will be set to cancel.
7 + +	ribute value change notifications will be sent to both service

Attribute value change notifications will be sent to both service

	GDMO Definition
p	provider SOAs when the following attribute values change for
a	pending, cancel-pending, or conflict subscription
V	versions (AVCs are not sent for modify active subscription
V	versions):
s	subscriptionNewSP-DueDate
	subscriptionNewSP-CreationTimeStamp
	subscriptionOldSP-DueDate
S	ubscriptionOldSP-Authorization
<u>s</u>	ubscriptionOldSP-AuthorizationTimeStamp
<u>s</u>	ubscriptionStatusChangeCauseCode
S	<u>subscriptionVersionStatus</u>
	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
	IPAC SMS as a result of housekeeping processing.
	Nhen a subscription version disconnect is broadcast,
	he subscriptionVersionDonorSP-CustomerDisconnectDate
	s sent to the donor SOA informing the service provider of the
a	actual customer disconnect date.
т	The subscriptionTimerType is only returned on SOA queries to service
	providers that support the timer information and is only sent on
	bject creation notifications to service providers that support it.
0	
T	he subscriptionBusinessType is only returned on SOA queries to
S	ervice providers that support business days/hours and is only
S	ent on object creation notifications to service providers that
S	support business days/hours.
_	
	or number pooling, the number pool block has corresponding
	subscription versions with LNP type equal to 'pool'. The number
	bool 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
	Tailed 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 proadcast, each subscription version with LNP type equal to 'pool'
	within the number pool block TN range will contain that service
p	provider in the subscriptionFailed-SP-List.
<u> </u>	<u>Creation, modification or deletion of a subscription version</u>
	with subscriptionLNPType equal to 'pool' by the SOA is not
	llowed. All updates must be performed on the number pool block
	bject. The NPAC SMS will update and broadcast the
	subscription versions with LNP type equal to 'pool' that
	re within the TN range specified by the number pool block object.
!;	
<u> </u>	
	NP Log Record for the Subscription Version Donor Service Provider
<u> C</u>	Customer Disconnect Date Notification

GDMO Definition
lnpLoqDonorSP-CustomerDisconnectDateRecord MANAGED OBJECT CLASS
DERIVED FROM "CCITT Rec. X.721 (1992) ISO/IEC 10165-2 :
1992":eventLogRecord;
CHARACTERIZED BY
InpLogDonorSP-CustomerDisconnectDatePkg;
REGISTERED AS {LNP-OIDS.lnp-objectClass 22};
<pre>lnpLogDonorSP-CustomerDisconnectDatePkg PACKAGE</pre>
BEHAVIOUR
lnpLogDonorSP-CustomerDisconnectDateDefinition,
lnpLogDonorSP-CustomerDisconnectDateBehavior;
ATTRIBUTES
subscriptionTN GET,
subscriptionVersionId GET,
subscriptionCustomerDisconnectDate GET,
subscriptionEffectiveReleaseDate GET,
accessControl GET;
<u>;</u>
<u>lnpLogDonorSP-CustomerDisconnectDateDefinition BEHAVIOUR</u>
DEFINED AS !
The lnpLogDonorSP-CustomerDisconnectDateRecord class is the managed
object that is used to create log records for the
<u></u>
<u> </u>
lnpLoqDonorSP-CustomerDisconnectDateBehavior BEHAVIOUR
DEFINED AS !
This log record can be used by any CME wanting to log the
<u>subscriptionVersionDonorSP-CustomerDisconnectDate Notification.</u>
22.0 TND THE Descel for the Coherentetics Manufactured (NC Dettice Descel
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
lnpLogLocalSMS-ActionResultsPkg;
REGISTERED AS {LNP-OIDS.lnp-objectClass 23};
<pre>lnpLogLocalSMS-ActionResultsPkg PACKAGE</pre>
BEHAVIOUR
InploqLocalSMS-ActionResultsBehavior;
ATTRIBUTES
actionId GET,
actionResultsStatus GET,
failedTN-List GET,
resultsCompletionTime GET,
accessControl GET;
<i>i</i>
<pre>lnpLogLocalSMS-ActionResultsDefinition BEHAVIOUR</pre>
DEFINED AS !
The lnpLogLocalSMS-ActionResultsRecord class is the managed
object that is used to create log records for the
subscriptionVersionLocalSMS-ActionResults Notification.

!;
<u>lnpLoqLocalSMS-ActionResultsBehavior_BEHAVIOUR</u>
DEFINED AS !
This log record can be used by any CME wanting to log the
subscriptionVersionLocalSMS-ActionResults Notification.
24.0 LNP Log Record for the Subscription Version New NPA-NXX Notification
<u>lnpLogNewNPA-NXXRecord MANAGED OBJECT CLASS</u> DERIVED FROM "CCITT Rec. X.721 (1992) ISO/IEC 10165-2 :
1992":eventLogRecord;
CHARACTERIZED BY
lnpLoqNewNPA-NXXPkg;
REGISTERED AS {LNP-OIDS.lnp-objectClass 24};
<u>lnpLogNewNPA-NXXPkg PACKAGE</u> BEHAVIOUR
lnpLogNewNPA-NXXBehavior;
ATTRIBUTES
serviceProvNPA-NXX-ID GET,
serviceProvNPA-NXX-Value GET,
SERVICEFIOVNIA NAK Value GET, ServiceProvNPA-NXX-EffectiveTimeStamp GET,
serviceProvID GET,
accessControl GET;
<i>i</i>
lnpLogNewNPA-NXXDefinition BEHAVIOUR
DEFINED AS !
The lnpLogNewNPA-NXX class is the managed
object that is used to create log records for the
subscriptionVersionNewNPA-NXX Notification.
;
<u>lnpLogNewNPA-NXXBehavior BEHAVIOUR</u>
DEFINED AS !
This log record can be used by any CME wanting to log the
subscriptionVersionNewNPA-NXX Notification.
<u> </u>
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};
lsmsFilterNPA-NXX-Pkg PACKAGE
BEHAVIOUR
lsmsFilterNPA-NXX-Definition,
lsmsFilterNPA-NXX-Behavior;
ATTRIBUTES
lsmsFilterNPA-NXX-ID GET,
lsmsFilterNPA-NXX-Value GET;
;

G	DMO Definition
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 prov	
does not want to be informed of subscription version broadca	<u>ists,</u>
network downloads, or SOA notifications.	
<u>1;</u>	
lsmsFilterNPA-NXX-Behavior BEHAVIOUR	
DEFINED AS !	
	ntonfoco
NPAC SMS Managed Object used for the Local SMS to NPAC SMS i	<u>Internace</u>
and the NPAC SMS to SOA interface.	
All attributes are read only. Once created, the lsmsFilterNE	
	<u>'he</u>
lsmsFilterNPA-NXX-ID is specified by the NPAC SMS.	
The Local SMS or SOA can M-DELETE, M-CREATE and M-GET the	
IsmsFilterNPA-NXX objects on the NPAC SMS. (LSMS Network Da	** >
	ILA
Association Function).	
<u> </u>	
26.0 LNP Log Record for the Subscription Version Final Concurrence	<u>;e</u>
Timer Expiration	
<pre>lnpLoqOldSPFinalConcurrenceWindowExpirationRecord MANAGED OBJECT CLA</pre>	ASS
DERIVED FROM "CCITT Rec. X.721 (1992) ISO/IEC 10165-2 :	<u></u>
<u>1992":eventLogRecord;</u>	
CHARACTERIZED BY	
<pre>lnpLogOldSPFinalConcurrenceWindowExpirationPkg;</pre>	
CONDITIONAL PACKAGES	
<u>subscriptionTimerTypePkg PRESENT IF</u>	
!present if the Old SP SOA supports timer type!,	
subscriptionBusinessTypePkg PRESENT IF	
<pre>!present if the Old SP SOA supports business type!;</pre>	
REGISTERED AS {LNP-OIDS.lnp-objectClass 26};	
<u>REGISTERED_RS {ENF-OIDS.INP-ODJectclass 20},</u>	
<pre>lnpLogOldSPFinalConcurrenceWindowExpirationPkg PACKAGE</pre>	
BEHAVIOUR	
<pre>lnpLogOldSPFinalConcurrenceWindowExpirationDefinition,</pre>	
<pre>lnpLogOldSPFinalConcurrenceWindowExpirationBehavior;</pre>	
ATTRIBUTES	
subscriptionTN GET,	
subscriptionVersionId GET,	
accessControl GET;	
<u> </u>	
<pre>lnpLogOldSPFinalConcurrenceWindowExpirationDefinition BEHAVIOUR</pre>	
DEFINED AS !	
<u>The lnpLogOldSPFinalConcurrenceWindowExpirationRecord class</u>	is
the managed object that is used to create log records for the	1e
subscriptionVersionOldSPFinalConcurrenceWindowExpiration	
Notification.	
NOUTFICATION.	
<pre>lnpLogOldSPFinalConcurrenceWindowExpirationBehavior BEHAVIOUR</pre>	
DEFINED AS !	
This log record can be used by any CME wanting to log the	

```
subscriptionVersionOldSPFinalConcurrenceWindowExpiration
       Notification.
  !;
-- 27.0 LNP SOA Managed Object Class
lnpSOA 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};
lnpSOA-Pkg PACKAGE
   BEHAVIOUR
       lnpSOA-Definition,
       lnpSOA-Behavior;
   ATTRIBUTES
       <u>lnpSOA-Name GET;</u>
   ;
lnpSOA-Definition BEHAVIOUR
   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.
    1;
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.
   1;
-- 28.0 LNP Log Record for the Number Pool Block Status Attribute Value
    Change Notification
InpLogNumberPoolBlockStatusAttributeValueChangeRecord MANAGED OBJECT CLASS
   DERIVED FROM "CCITT Rec. X.721 (1992) | ISO/IEC 10165-2 :
1992":eventLogRecord;
   CHARACTERIZED BY
      lnpLogNumberPoolBlockStatusAttributeValueChangePkg;
   CONDITIONAL PACKAGES
       numberPoolBlockAttributeValueChangeFailed-SP-ListPkg PRESENT IF
            !the number pool block broadcast failed!;
   REGISTERED AS {LNP-OIDS.lnp-objectClass 28};
lnpLogNumberPoolBlockStatusAttributeValueChangePkg PACKAGE
   BEHAVIOUR
```

GDMO Definition
lnpLogNumberPoolBlockStatusAttributeValueChangeDefinition,
lnpLogNumberPoolBlockStatusAttributeValueChangeBehavior;
ATTRIBUTES
accessControl GET;
<i>i</i>
lnpLogNumberPoolBlockStatusAttributeValueChangeDefinition BEHAVIOUR
DEFINED AS !
The lnpLogNumberPoolBlockStatusAttributeValueChangeRecord class is
the managed object that is used to create log records for the
numberPoolBlockStatusAttributeValueChange Notification.
!;
<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
<u></u>
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
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-REPLACE;
i
/
numberPoolBlock-Definition BEHAVIOUR
DEFINED AS !
The numberPoolBlock class is the managed object
used to identify number pool block information as stored on the LSMS.
<u> </u>

numberPoolBlock-Behavior BEHAVIOUR

יםיםת	INED AS !
	Local SMS and NPAC SMS Managed Object used for the Local SMS to
	NPAC SMS interface.
	The NDAG Queteron I GMG EDD Indicator in the convice previder profile
	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.
_	
	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
	instantiation.
	The numberPoolBlockId is assigned upon creation by the NPAC SMS and
	is read only.
	<u>10 Iodd only</u>
	The numberPoolBlockHolderSPID must be the same as the service provider
	The numberPoolBlockHolderSPID must be the same as the service provider
	ID of the service provider who sent in the request and the service
	ID of the service provider who sent in the request and the service provider ID of the serviceProvNPA-NXX-X object for the specified
	ID of the service provider who sent in the request and the service
	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.
	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. The numberPoolBlockActivationTimeStamp is set by the NPAC SMS as the
	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.
	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. The numberPoolBlockActivationTimeStamp is set by the NPAC SMS as the current date and time when the create request is received.
	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. 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
	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. 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
	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. 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
	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. 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
	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. 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.
	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. 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
	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. 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
	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. 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
	<pre>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. 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-DataPkq 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.</pre>
	<pre>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. 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-DataPkq 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. The Local SMS can not modify any of the number pool block</pre>
	<pre>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. 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. The Local SMS can not modify any of the number pool block data locally unless changes were downloaded via a download</pre>
	<pre>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. 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-DataPkq 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. The Local SMS can not modify any of the number pool block</pre>
	<pre>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. 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-DataPkq 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. The Local SMS can not modify any of the number pool block data locally unless changes were downloaded via a download request.</pre>
	<pre>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. 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. 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 equality and ordering on the</pre>
	<pre>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. 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-DataPkq 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. 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 equality and ordering on the numberPoolBlockNPA-NXX-X attribute in a scoped and filtered request</pre>
	<pre>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. 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. 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 equality and ordering on the</pre>
	<pre>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. 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-DataPkq 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. 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 equality and ordering on the numberPoolBlockNPA-NXX-X attribute in a scoped and filtered request</pre>
	<pre>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. 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-DataPkq 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. 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 equality and ordering on the numberPoolBlockNPA-NXX-X attribute in a scoped and filtered request</pre>
	<pre>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. 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-DataPkq 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. 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 equality and ordering on the numberPoolBlockNPA-NXX-X attribute in a scoped and filtered request</pre>
	<pre>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. 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-DataPkq 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. The Local SMS must support equality and ordering on the numberPoolBlockNPA-NXX-X attribute in a scoped and filtered request for mass updates and audits.</pre>

numberPoolBlockNPAC MANAGED OBJECT CLASS
DERIVED FROM numberPoolBlock;
CHARACTERIZED BY
numberPoolBlockNPAC-Pkg;
REGISTERED AS {LNP-OIDS.lnp-objectClass 30};
numberPoolBlockNPAC-Pkg PACKAGE
BEHAVIOUR
numberPoolBlockNPAC-Definition,
numberPoolBlockNPAC-Behavior;
ATTRIBUTES
numberPoolBlockBroadcastTimeStamp GET,
numberPoolBlockCreationTimeStamp GET,
numberPoolBlockDisconnectCompleteTimeStamp GET,
numberPoolBlockModifiedTimeStamp GET,
numberPoolBlockSOA-Origination GET-REPLACE,
numberPoolBlockStatus GET,
<pre>numberPoolBlockFailed-SP-List GET;</pre>
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>
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.
Objects will be bioadcasted to each LSMS.
An object exection attempt will be unicated by the NDAC CMC if
An object creation attempt will be rejected by the NPAC SMS if
any subscription versions exist with a status of pending,
<u>conflict, cancel-pending or failed ("pending-like") for a TN implied</u>
by the NPA-NXX-X value and an active subscription version object does
not exist for that TN.
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
TT SHE SON SONAD SHE HUMBETTOOTDIOCK STEALE HIMEITON CO STEALE A

	GDMO Definitions
	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
	of the start of the last broadcast to the LSMSs for the number
	pool block.
	poor brock.
	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.
	<u>Service providers can M-GET any numberPoolBlockNPAC object</u>
	from the LSMS and SOA.
	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
	provider objects (soa-not-authorized) or attempts to M-DELETE
	the objects (accessDenied).
	When the SOA or NPAC SMS creates the numberPoolBlockNPAC, the status
is	
<u> 10</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
CMC	their service provider NPAC Customer LSMS EDR Indicator on the NPAC
<u>SMS.</u>	
	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:
	numberPoolBlockId
	numberPoolBlockNPA-NXX-X
	numberPoolBlockHolderSPID
	numberPoolBlockSOA-Origination
	numberPoolBlockCreationTimeStamp
	numberPoolBlockStatus
	numberPoolBlockLRN
	numberPoolBlockCLASS-DPC
	numberPoolBlockCLASS-SSN
I	

	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
	subscription versions with LNPType of 'pool' and broadcast the
	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'.
	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:
	<u>numberPoolBlockSOA-Origination</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 attribute value change will not be sent when the SOA-Origination
	<u>flag is set to false.</u>
	The attribute value change notification attribute list contains
	only the modified attribute(s).
	The number pool block status attribute value change notification
	will be sent out to the SOA, if the SOA-origination flag is true,
	when the status changes and can contain the following attributes:
	men the status changes and can contain the fortowing attributes.
	numberPoolBlockStatus
	numberPoolBlockFailed-SP-List
	HUMPETLOOTDIOCKLUITER-DL_TIPE
	TE the NDAC CMC M DELEMER the number weel block the
	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>serviceProvNPA-NXX-X MANAGED OBJECT CLASS</u>
DERIVED FROM "CCITT Rec. X.721 (1992) ISO/IEC 10165-2 : 1992":top;
CHARACTERIZED BY
serviceProvNPA-NXX-X-Pkq;
REGISTERED AS {LNP-OIDS.lnp-objectClass 31};
CONTRACTOR NY V DIG DACKACE
<u>serviceProvNPA-NXX-X-Pkg 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-REPLACE,
serviceProvNPA-NXX-X-DownloadReason GET-REPLACE,
<pre>serviceProvNPA-NXX-X-EffectiveTimeStamp GET-REPLACE;</pre>
<u> </u>
<u>serviceProvNPA-NXX-X-Definition_BEHAVIOUR</u>
DEFINED AS !
The serviceProvNPA-NXX-X class is the managed object
used to identify Service Provider NPA-NXX-X data.
<u>serviceProvNPA-NXX-X-Behavior BEHAVIOUR</u>
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
Customer LSMS NPA-NXX-X Indicator in their service provider
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
<u> </u>
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.
The serviceProvNPA-NXX-X-ID is specified by the NPAC SMS at creation

t	time.
	<u> The serviceProvNPA-NXX-X-CreationTimeStamp is set to the current</u>
	date and time of when the NPAC SMS creates the object.
5	The serviceProvNPA-NXX-X-ModifiedTimeStamp is set to the current
	date and time of when the NPAC SMS last modified the object.
٦	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
	copies of serviceProvNPA-NXX-X objects after receiving the
	objects from an NPAC SMS create request, reading them from
t	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.
	<u>ICSUIC.</u>
	The NPAC SMS will send to the Local SMS or SOA the M-SET with
	the new serviceProvNPA-NXX-X-EffectiveTimeStamp and
	<u>serviceProvNPA-NXX-X-ModifiedTimeStamp.</u>
	The SOA and Local SMS can M-GET the serviceProvNPA-NXX-X object.
	The subscriptionVersionNewNPA-NXX will be sent to notify the service
K	oroviders SOA and Local SMS systems of the creation of this object
	if the creation is the first usage of the NPA-NXX. However, this
r	notification is not emitted from the serviceProvNPA-NXX-X object,
	out rather from the lnpNPAC-SMS object (top-level) instead.
!;	
· /	
32 0 1	LNP Log Record for the Subscription Version Range Attribute Value
	Change Notification
(change Notification
1 7 5	
	ngeAttributeValueChangeRecord MANAGED OBJECT CLASS
	VED FROM "CCITT Rec. X.721 (1992) ISO/IEC 10165-2 :
	entLogRecord;
CHARA	ACTERIZED BY
	lnpLogRangeAttributeValueChangePkg;
REGIS	STERED AS {LNP-OIDS.lnp-objectClass 32};
lnpLogRar	ngeAttributeValueChangePkg_PACKAGE
	VIOUR
	InpLogRangeAttributeValueChangeDefinition,
	lnpLogRangeAttributeValueChangeBehavior;
	IBUTES
	subscriptionVersionRangeAttributeValueChangeInfo GET,
	accessControl GET;
;	
_	
	ngeAttributeValueChangeDefinition BEHAVIOUR
DEFIN	<u>NED AS !</u>
	<u>The lnpLogAttributeValueChangeRecord class is the managed object</u>

that is used to create log records for the
<u></u>
<u>;</u>
<pre>lnpLogRangeAttributeValueChangeBehavior BEHAVIOUR</pre>
DEFINED AS !
This log record can be used by any CME wanting to log the
subscriptionVersionRangeAttributeValueChange Notification.
<u>!;</u>
33.0 LNP Log Record for the Subscription Version Range Object Creation
Notification
<pre>lnpLogRangeObjectCreationRecord MANAGED OBJECT CLASS</pre>
DERIVED FROM "CCITT Rec. X.721 (1992) ISO/IEC 10165-2 :
1992":eventLogRecord;
CHARACTERIZED BY
lnpLogRangeObjectCreationPkg;
<pre>REGISTERED AS {LNP-OIDS.lnp-objectClass 33};</pre>
<pre>lnpLogRangeObjectCreationPkg_PACKAGE</pre>
BEHAVIOUR
lnpLogRangeObjectCreationDefinition,
lnpLogRangeObjectCreationBehavior;
ATTRIBUTES
subscriptionVersionRangeObjectCreationInfo GET,
accessControl GET;
<i>i</i>
<pre>lnpLogRangeObjectCreationDefinition BEHAVIOUR</pre>
DEFINED AS !
The lnpLogRangeObjectCreationRecord class is the managed object
that is used to create log records for the
subscriptionVersionRangeObjectCreation Notification.
<u>;</u>
lnpLogRangeObjectCreationBehavior BEHAVIOUR
DEFINED AS !
This log record can be used by any CME wanting to log the
subscriptionVersionObjectCreation Notification.
<u>!;</u>
34.0 LNP Log Record for the Subscription Version Range Status Attribute
Value Change Notification
lnpLogRangeStatusAttributeValueChangeRecord MANAGED OBJECT CLASS
DERIVED FROM "CCITT Rec. X.721 (1992) ISO/IEC 10165-2 :
<u>1992":eventLogRecord;</u>
CHARACTERIZED BY
<pre>lnpLogRangeStatusAttributeValueChangePkg;</pre>
REGISTERED AS {LNP-OIDS.lnp-objectClass 34};
<pre>lnpLogRangeStatusAttributeValueChangePkg PACKAGE</pre>
BEHAVIOUR
<pre>lnpLogRangeStatusAttributeValueChangeDefinition,</pre>
<pre>lnpLogRangeStatusAttributeValueChangeBehavior;</pre>
ATTRIBUTES
subscriptionVersionRangeStatusAttributeValueChangeInfo_GET,
accessControl GET;

;
lnpLogRangeStatusAttributeValueChangeDefinition BEHAVIOUR
DEFINED AS !
The lnpLogStatusAttributeValueChangeRecord class is the managed
object that is used to create log records for the
<pre>subscriptionVersionRangeStatusAttributeValueChange Notification</pre>
lnpLogRangeStatusAttributeValueChangeBehavior BEHAVIOUR
DEFINED AS !
This log record can be used by any CME wanting to log the
subscriptionVersionRangeStatusAttributeValueChange Notification.
<u>;</u>
35.0 LNP Log Record for the Subscription Version Range Donor Disconnect
Notification
<pre>lnpLogRangeDonorSP-CustomerDisconnectDateRecord MANAGED OBJECT CLASS</pre>
DERIVED FROM "CCITT Rec. X.721 (1992) ISO/IEC 10165-2 :
<u>1992":eventLogRecord;</u>
CHARACTERIZED BY
<pre>lnpLogRangeDonorSP-CustomerDisconnectDatePkg;</pre>
<pre>REGISTERED AS {LNP-OIDS.lnp-objectClass 35};</pre>
lnpLogRangeDonorSP-CustomerDisconnectDatePkg PACKAGE
BEHAVIOUR
<pre>lnpLogRangeDonorSP-CustomerDisconnectDateDefinition,</pre>
<pre>lnpLogRangeDonorSP-CustomerDisconnectDateBehavior;</pre>
ATTRIBUTES
subscriptionVersionRangeDonorSP-CustomerDisconnectDateInfo GET,
accessControl GET;
lnpLogRangeDonorSP-CustomerDisconnectDateDefinition BEHAVIOUR
DEFINED AS !
The lnpLogRangeDonorSP-CustomerDisconnectDateRecord class is
the managed object that is used to create log records for the
subscriptionVersionRangeDonorSP-CustomerDisconnectDate Notification.
<u>!;</u>
<u>lnpLogRangeDonorSP-CustomerDisconnectDateBehavior BEHAVIOUR</u>
<u>DEFINED AS !</u>
This log record can be used by any CME wanting to log the
subscriptionVersionRangeDonorSP-CustomerDisconnectDate Notification.
<u> </u>
36.0 LNP Log Record for the Subscription Version Range Cancellation
Acknowledge Request Notification
<pre>lnpLogRangeCancellationAcknowledgeRecord MANAGED OBJECT CLASS</pre>
DERIVED FROM "CCITT Rec. X.721 (1992) ISO/IEC 10165-2 :
<u>1992":eventLogRecord;</u>
CHARACTERIZED BY
<pre>lnpLogRangeCancellationAcknowledgePkg;</pre>
REGISTERED AS {LNP-OIDS.lnp-objectClass 36};
lnpLogRangeCancellationAcknowledgePkg PACKAGE
BEHAVIOUR
<pre>lnpLogRangeCancellationAcknowledgeDefinition,</pre>

<pre>lnpLogRangeCancellationAcknowledgeBehavior;</pre>
ATTRIBUTES
subscriptionVersionRangeCancellationAcknowledgeInfo GET,
accessControl GET;
;
<pre>lnpLogRangeCancellationAcknowledgeDefinition BEHAVIOUR</pre>
DEFINED AS !
The lnpLogRangeCancellationAcknowledgeRecord class is the
managed object that is used to create log records for the
subscriptionVersionRangeCancellationAcknowledge Notification.
<u>!;</u>
<pre>lnpLogRangeCancellationAcknowledgeBehavior BEHAVIOUR</pre>
DEFINED AS !
This log record can be used by any CME wanting to log the
subscriptionVersionRangeCancellationAcknowledge Notification.
!;
37.0 LNP Log Record for the Subscription Version Range New SP Create
Request Notification
lnpLogRangeNewSP-CreateRequestRecord MANAGED OBJECT CLASS
DERIVED FROM "CCITT Rec. X.721 (1992) ISO/IEC 10165-2 :
1992":eventLogRecord;
CHARACTERIZED BY
<u>lnpLogRangeNewSP-CreateRequestPkg;</u>
<pre>REGISTERED AS {LNP-OIDS.lnp-objectClass 37};</pre>
<pre>lnpLogRangeNewSP-CreateRequestPkg PACKAGE</pre>
BEHAVIOUR
<u>lnpLogRangeNewSP-CreateRequestDefinition,</u>
lnpLogRangeNewSP-CreateRequestBehavior;
ATTRIBUTES
subscriptionVersionRangeNewSP-CreateRequestInfo GET,
accessControl GET;
<i>i</i>
<pre>lnpLogRangeNewSP-CreateRequestDefinition BEHAVIOUR</pre>
DEFINED AS !
The lnpLogRangeNewSP-CreateRequestRecord class is the managed object
that is used to create log records for the
subscriptionVersionRangeNewSP-CreateRequest Notification.
;
InplogPangeNeuSP_CreateReguestPehauier PEHAUTOUR
<u>lnpLogRangeNewSP-CreateRequestBehavior BEHAVIOUR</u>
DEFINED AS !
This log record can be used by any CME wanting to log the
subscriptionVersionRangeNewSP-CreateRequest Notification.
<u>!;</u>
38.0 LNP Log Record for the Subscription Version Range Old SP
Concurrence Request Notification
<u>lnpLogRangeOldSP-ConcurrenceRequestRecord MANAGED OBJECT CLASS</u>
DERIVED FROM "CCITT Rec. X.721 (1992) ISO/IEC 10165-2 :
<u>1992":eventLogRecord;</u>
CHARACTERIZED BY

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<pre>lnpLogRangeOldSP-ConcurrenceRequestPkg;</pre>
REGISTERED AS {LNP-OIDS.lnp-objectClass 38};
AGISTERED AS {ENP-OIDS.IND-OD Jecticiass 30},
<u>lnpLogRangeOldSP-ConcurrenceRequestPkg_PACKAGE</u>
BEHAVIOUR
<pre>lnpLogRangeOldSP-ConcurrenceRequestDefinition,</pre>
lnpLogRangeOldSP-ConcurrenceRequestBehavior;
ATTRIBUTES
subscriptionVersionRangeOldSP-ConcurrenceRequestInfo GET,
accessControl GET;
accessconcror ger,
<i>i</i>
<pre>lnpLogRangeOldSP-ConcurrenceRequestDefinition BEHAVIOUR</pre>
DEFINED AS !
The lnpLogRangeOldSP-ConcurrenceRequestRecord class is the
subscriptionVersionRangeOldSP-ConcurrenceRequest Notification.
;
<u>lnpLogRangeOldSP-ConcurrenceRequestBehavior BEHAVIOUR</u>
DEFINED AS !
This log record can be used by any CME wanting to log the
subscriptionVersionRangeOldSP-ConcurrenceRequest Notification.
<u> !;</u>
39.0 LNP Log Record for the Subscription Version Range Old SP Final
Concurrence Window Expiration Notification
<pre>lnpLogRangeOldSPFinalConcurrenceWindowExpirationRecord MANAGED OBJECT CLASS</pre>
DERIVED FROM "CCITT Rec. X.721 (1992) ISO/IEC 10165-2 :
<u>1992":eventLogRecord;</u>
CHARACTERIZED BY
<pre>lnpLogRangeOldSPFinalConcurrenceWindowExpirationPkg;</pre>
<pre>REGISTERED AS {LNP-OIDS.lnp-objectClass 39};</pre>
lnpLogRangeOldSPFinalConcurrenceWindowExpirationPkg PACKAGE
BEHAVIOUR
<pre>lnpLogRangeOldSPFinalConcurrenceWindowExpirationDefinition,</pre>
<pre>lnpLogRangeOldSPFinalConcurrenceWindowExpirationBehavior;</pre>
ATTRIBUTES
subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfo GET,
accessControl GET;
<i>i</i>
lnpLogRangeOldSPFinalConcurrenceWindowExpirationDefinition BEHAVIOUR
DEFINED AS !
The lnpLogRangeOldSPFinalConcurrenceWindowExpirationRecord class
is the managed object that is used to create log records for the
subscriptionVersionRangeOldSPFinalConcurrenceWindowExpiration
Notification.
!;
<pre>lnpLogRangeOldSPFinalConcurrenceWindowExpirationBehavior BEHAVIOUR</pre>
DEFINED AS !
This log record can be used by any CME wanting to log the
subscriptionVersionRangeOldSPFinalConcurrenceWindowExpiration
Notification.
<u>;</u>

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40.0 LNP Log Record for the Subscription Version Range New SP Final
Create Window Expiration Notification
<u>lnpLogRangeNewSP-FinalCreateWindowExpirationRecord MANAGED OBJECT CLASS</u>
DERIVED FROM "CCITT Rec. X.721 (1992) ISO/IEC 10165-2 :
1992":eventLogRecord;
CHARACTERIZED BY
<pre>lnpLogRangeNewSP-FinalCreateWindowExpirationPkg;</pre>
<pre>REGISTERED AS {LNP-OIDS.lnp-objectClass 40};</pre>
<u>lnpLogRangeNewSP-FinalCreateWindowExpirationPkg_PACKAGE</u>
BEHAVIOUR
lnpLogRangeNewSP-FinalCreateWindowExpirationDefinition,
lnpLogRangeNewSP-FinalCreateWindowExpirationBehavior;
ATTRIBUTES
<pre>subscriptionVersionRangeNewSP-FinalCreateWindowExpirationInfo GET,</pre>
accessControl GET;
<i>i</i>
<pre>lnpLogRangeNewSP-FinalCreateWindowExpirationDefinition BEHAVIOUR</pre>
DEFINED AS !
The lnpLogRangeNewSP-FinalCreateWindowExpirationRecord class
is the managed object that is used to create log records for the
subscriptionVersionRangeNewSP-FinalCreateWindowExpiration
Notification.
<u>;</u>
<pre>lnpLogRangeNewSP-FinalCreateWindowExpirationBehavior BEHAVIOUR</pre>
DEFINED AS !
<u>This log record can be used by any CME wanting to log the</u>
subscriptionVersionRangeNewSP-FinalCreateWindowExpiration
Notification.
<u></u>
41.0 LNP Log Record for the LNP Subscription version New Service
Provider Final Create Window Expiration Notification
<pre>lnpLogNewSP-FinalCreateWindowExpirationRecord MANAGED OBJECT CLASS</pre>
DERIVED FROM "CCITT Rec. X.721 (1992) ISO/IEC 10165-2 :
<u>1992":eventLogRecord;</u>
CHARACTERIZED BY
<pre>lnpLogNewSP-FinalCreateWindowExpirationPkg;</pre>
REGISTERED AS {LNP-OIDS.lnp-objectClass 41};
lnpLogNewSP-FinalCreateWindowExpirationPkg PACKAGE
BEHAVIOUR
<pre>lnpLogNewSP-FinalCreateWindowExpirationDefinition,</pre>
<u>lnpLogNewSP-FinalCreateWindowExpirationBehavior;</u>
ATTRIBUTES
subscriptionTN GET,
SubscriptionIN_GET,
subscriptionNewCurrentSP GET,
<u>subscriptionOldSP GET,</u>
subscriptionOldSP-DueDate GET,
subscriptionOldSP-Authorization GET,
SubscriptionOldSP-AuthorizationTimeStamp GET,
subscriptionStatusChangeCauseCode GET,
subscriptionTimerType GET,
<u>subscriptionBusinessType GET,</u>

	GDINO Dennit
accessControl GET;	
;	
lnpLogNewSP-FinalCreateWindowExpirationDefinition BEHAVIOUR	
DEFINED AS !	
The lnpLoqNewSP-FinalCreateWindowExpirationRecord class i	a the
managed object that is used to create log records for the	
subscriptionVersionNewSP-FinalCreateWindowExpiration Noti	fication.
;	
·/	
<pre>lnpLogNewSP-FinalCreateWindowExpirationBehavior BEHAVIOUR</pre>	
DEFINED AS !	
This log record can be used by any CME wanting to log the	
subscriptionVersionNewSP-FinalCreateWindowExpiration Noti	
	<u>IICalION.</u>
!;	
Nora Binding Definitions	
<u> Name Binding Definitions</u>	
1.0 LNP Audits Managed Object Name Bindings	
Les Ashier Les NDAG, ONG NAME DENDENG	
<u>lnpAudits-lnpNPAC-SMS_NAME_BINDING</u>	
<u>SUBORDINATE OBJECT CLASS lnpAudits AND SUBCLASSES;</u>	
NAMED BY	
SUPERIOR OBJECT CLASS lnpNPAC-SMS AND SUBCLASSES;	
WITH ATTRIBUTE lnpAuditsName;	
Note: Create through interface is not supported.	
Note: Delete through interface is not supported.	
REGISTERED AS {LNP-OIDS.lnp-nameBinding 1};	
REGISTERED AS {ENF-OIDS.IND-Hamebinding 1},	
2.0 LNP Local SMS Managed Object Name Bindings	
lnpLocalSMS-root NAME BINDING	
SUBORDINATE OBJECT CLASS lnpLocalSMS AND SUBCLASSES;	
NAMED BY	
SUPERIOR OBJECT CLASS "CCITT Rec. X.660 (1992) ISO/IEC	9834-1 :
1992":root;	
<u>WITH ATTRIBUTE lnpLocal-SMS-Name;</u>	
Note: Create through interface is not supported.	
Note: Delete through interface is not supported.	
REGISTERED AS {LNP-OIDS.lnp-nameBinding 3};	
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;	
WITH ATTRIBUTE lnpNetworkName;	
Note: Delete through interface is not supported.	
REGISTERED AS {LNP-OIDS.lnp-nameBinding 4};	
The state of the ords the number of the state of the stat	
<u>lnpNetwork-lnpLocalSMS_NAME_BINDING</u>	
SUBORDINATE OBJECT CLASS lnpNetwork AND SUBCLASSES;	

 December 4, 2000August 28, 2001
 NANC Version 3.0.23.1.0
 NPAC SMS Interoperable Interface Specification

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 NeuStar, Inc.
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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};
lnpNetwork-lnpSOA NAME BINDING
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
SUPERIOR OBJECT CLASS "CCITT Rec. X.660 (1992) ISO/IEC 9834-1 :
<u>1992":root;</u>
WITH ATTRIBUTE lnpNPAC-SMS-Name;
Note: Create through interface is not supported.
Note: Delete through interface is not supported.
<pre>REGISTERED AS {LNP-OIDS.lnp-nameBinding 6};</pre>
5.0 LNP Service Providers Managed Object Name Bindings
lnpServiceProvs-lnpNPAC-SMS NAME BINDING
<u>SUBORDINATE OBJECT CLASS lnpServiceProvs AND SUBCLASSES;</u>
NAMED BY
SUPERIOR OBJECT CLASS lnpNPAC-SMS AND SUBCLASSES;
WITH ATTRIBUTE lnpServiceProvsName;
WITH ATTRIBUTE lnpServiceProvsName;
Note: Create through interface is not supported.
Note: Create through interface is not supported. Note: Delete through interface is not supported.
Note: Create through interface is not supported.
Note: Create through interface is not supported. Note: Delete through interface is not supported.
Note: Create through interface is not supported. Note: Delete through interface is not supported. REGISTERED AS {LNP-OIDS.lnp-nameBinding 7};
Note: Create through interface is not supported. Note: Delete through interface is not supported.
Note: Create through interface is not supported Note: Delete through interface is not supported. REGISTERED AS {LNP-OIDS.lnp-nameBinding 7}; 6.0 LNP Subscriptions Managed Object Class Name Bindings
<pre> Note: Create through interface is not supported. Note: Delete through interface is not supported. REGISTERED AS {LNP-OIDS.lnp-nameBinding 7}; 6.0 LNP Subscriptions Managed Object Class Name Bindings lnpSubscriptions-lnpNPAC-SMS NAME BINDING</pre>
 Note: Create through interface is not supported. Note: Delete through interface is not supported. REGISTERED AS {LNP-OIDS.lnp-nameBinding 7}; 6.0 LNP Subscriptions Managed Object Class Name Bindings <u>lnpSubscriptions-lnpNPAC-SMS NAME BINDING</u> SUBORDINATE OBJECT CLASS lnpSubscriptions AND SUBCLASSES;
 Note: Create through interface is not supported. Note: Delete through interface is not supported. REGISTERED AS {LNP-OIDS.lnp-nameBinding 7}; 6.0 LNP Subscriptions Managed Object Class Name Bindings <u>lnpSubscriptions-lnpNPAC-SMS NAME BINDING</u> SUBORDINATE OBJECT CLASS lnpSubscriptions AND SUBCLASSES; NAMED BY
 Note: Create through interface is not supported. Note: Delete through interface is not supported. REGISTERED AS {LNP-OIDS.lnp-nameBinding 7}; 6.0 LNP Subscriptions Managed Object Class Name Bindings <u>lnpSubscriptions-lnpNPAC-SMS NAME BINDING</u> SUBORDINATE OBJECT CLASS lnpSubscriptions AND SUBCLASSES;
 Note: Create through interface is not supported. Note: Delete through interface is not supported. REGISTERED AS {LNP-OIDS.lnp-nameBinding 7}; 6.0 LNP Subscriptions Managed Object Class Name Bindings <u>lnpSubscriptions-lnpNPAC-SMS NAME BINDING</u> SUBORDINATE OBJECT CLASS lnpSubscriptions AND SUBCLASSES; NAMED BY
 Note: Create through interface is not supported. Note: Delete through interface is not supported. REGISTERED AS {LNP-OIDS.lnp-nameBinding 7}; 6.0 LNP Subscriptions Managed Object Class Name Bindings lnpSubscriptions-lnpNPAC-SMS NAME BINDING 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 7}; 6.0 LNP Subscriptions Managed Object Class Name Bindings lnpSubscriptions-lnpNPAC-SMS NAME BINDING 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: Create through interface is not supported. Note: Delete through interface is not supported. REGISTERED AS {LNP-OIDS.lnp-nameBinding 7}; 6.0 LNP Subscriptions Managed Object Class Name Bindings InpSubscriptions-lnpNPAC-SMS NAME BINDING 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.
 Note: Create through interface is not supported. Note: Delete through interface is not supported. REGISTERED AS {LNP-OIDS.lnp-nameBinding 7}; 6.0 LNP Subscriptions Managed Object Class Name Bindings lnpSubscriptions-lnpNPAC-SMS NAME BINDING 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: Create through interface is not supported. Note: Delete through interface is not supported. REGISTERED AS {LNP-OIDS.lnp-nameBinding 7}; 6.0 LNP Subscriptions Managed Object Class Name Bindings InpSubscriptions-lnpNPAC-SMS NAME BINDING 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};
 Note: Create through interface is not supported. Note: Delete through interface is not supported. REGISTERED AS {LNP-OIDS.lnp-nameBinding 7}; 6.0 LNP Subscriptions Managed Object Class Name Bindings InpSubscriptions-lnpNPAC-SMS NAME BINDING 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.
 Note: Create through interface is not supported. Note: Delete through interface is not supported. REGISTERED AS {LNP-OIDS.lnp-nameBinding 7}; 6.0 LNP Subscriptions Managed Object Class Name Bindings InpSubscriptions-lnpNPAC-SMS NAME BINDING 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};
 Note: Create through interface is not supported. Note: Delete through interface is not supported. REGISTERED AS {LNP-OIDS.lnp-nameBinding 7}; 6.0 LNP Subscriptions Managed Object Class Name Bindings InpSubscriptions-lnpNPAC-SMS NAME BINDING 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}; InpSubscriptions-lnpLocalSMS NAME BINDING SUBORDINATE OBJECT CLASS lnpSubscriptions AND SUBCLASSES;
 Note: Create through interface is not supported. Note: Delete through interface is not supported. REGISTERED AS {LNP-OIDS.lnp-nameBinding 7}; 6.0 LNP Subscriptions Managed Object Class Name Bindings InpSubscriptions-lnpNPAC-SMS NAME BINDING 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}; InpSubscriptions-lnpLocalSMS NAME BINDING SUBORDINATE OBJECT CLASS lnpSubscriptions AND SUBCLASSES; NAMED BY
 Note: Create through interface is not supported. Note: Delete through interface is not supported. REGISTERED AS {LNP-OIDS.lnp-nameBinding 7}; 6.0 LNP Subscriptions Managed Object Class Name Bindings lnpSubscriptions-lnpNPAC-SMS NAME BINDING 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 SUBORDINATE OBJECT CLASS lnpSubscriptions AND SUBCLASSES;
 Note: Create through interface is not supported. Note: Delete through interface is not supported. REGISTERED AS {LNP-OIDS.lnp-nameBinding 7}; 6.0 LNP Subscriptions Managed Object Class Name Bindings lnpSubscriptions-lnpNPAC-SMS NAME BINDING 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 SUBORDINATE 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 7}; 6.0 LNP Subscriptions Managed Object Class Name Bindings InpSubscriptions-lnpNPAC-SMS NAME BINDING 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. REGISTERED AS {LNP-OIDS.lnp-nameBinding 8}; InpSubscriptions-lnpLocalSMS NAME BINDING SUBORDINATE OBJECT CLASS lnpSubscriptions AND SUBCLASSES; MAMED BY SUBORDINATE OBJECT CLASS lnpSubscriptions AND SUBCLASSES; MAMED BY SUBORDINATE OBJECT CLASS lnpSubscriptions AND SUBCLASSES; MAMED BY SUPERIOR OBJECT CLASS lnpLocalSMS AND SUBCLASSES; MITH ATTRIBUTE lnpSubscriptionsName; Note: Create through interface is not supported.
 Note: Create through interface is not supported. Note: Delete through interface is not supported. REGISTERED AS {LNP-OIDS.lnp-nameBinding 7}; 6.0 LNP Subscriptions Managed Object Class Name Bindings lnpSubscriptions-lnpNPAC-SMS NAME BINDING 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 SUBORDINATE 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 7}; 6.0 LNP Subscriptions Managed Object Class Name Bindings InpSubscriptions-lnpNPAC-SMS NAME BINDING 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. REGISTERED AS {LNP-OIDS.lnp-nameBinding 8}; InpSubscriptions-lnpLocalSMS NAME BINDING SUBORDINATE OBJECT CLASS lnpSubscriptions AND SUBCLASSES; WITH ATTRIBUTE lnpSubscriptions AND SUBCLASSES; MAMED BY SUBORDINATE OBJECT CLASS lnpSubscriptions AND SUBCLASSES; NAMED BY SUPERIOR OBJECT CLASS lnpLocalSMS AND SUBCLASSES; WITH ATTRIBUTE lnpSubscriptionsName; Note: Create through interface is not supported.

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7.0 LNP Service Provider Managed Object Class Name Bindings
1.0 INI Service Hovider 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};
<u>REGISTERED AS {ENP-OIDS.IND-Mamebiliding 10},</u>
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
9.0 LNP Service Provider Network Managed object class Name Brindings
<u>serviceProvNetwork-lnpNetwork NAME BINDING</u>
SUBORDINATE OBJECT CLASS serviceProvNetwork AND SUBCLASSES;
NAMED BY
SUPERIOR OBJECT CLASS lnpNetwork AND SUBCLASSES;
WITH ATTRIBUTE serviceProvID;
CREATE;
DELETE ONLY-IF-NO-CONTAINED-OBJECTS;
<pre>REGISTERED AS {LNP-OIDS.lnp-nameBinding 12};</pre>
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;
<pre>REGISTERED AS {LNP-OIDS.lnp-nameBinding 13};</pre>
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

	02110 20111
subscriptionVersion-lnpSubscriptions NAME BINDING	
SUBORDINATE OBJECT CLASS subscriptionVersion AND SUBCLASSES;	
NAMED BY	
SUPERIOR OBJECT CLASS lnpSubscriptions AND SUBCLASSES;	
WITH ATTRIBUTE subscriptionVersionId;	
<u>CREATE WITH-AUTOMATIC-INSTANCE-NAMING;</u>	
DELETE ONLY-IF-NO-CONTAINED-OBJECTS;	
<pre>REGISTERED AS {LNP-OIDS.lnp-nameBinding 15};</pre>	
13.0 LNP Service Provider LSMS Filter NPA-NXX Managed Object C	lass
Name Bindings	
lsmsFilterNPA-NXX-serviceProv NAME BINDING	
SUBORDINATE OBJECT CLASS lsmsFilterNPA-NXX AND SUBCLASSES;	
NAMED BY	
WITH ATTRIBUTE lsmsFilterNPA-NXX-ID;	
CREATE WITH-AUTOMATIC-INSTANCE-NAMING;	
DELETE ONLY-IF-NO-CONTAINED-OBJECTS;	
<u>REGISTERED AS {LNP-OIDS.lnp-nameBinding 16};</u>	
14.0 LNP SOA Managed Object Name Bindings	
lnpSOA-root NAME BINDING	
SUBORDINATE OBJECT CLASS lnpSOA AND SUBCLASSES;	
NAMED BY	0004 1
SUPERIOR OBJECT CLASS "CCITT Rec. X.660 (1992) ISO/IEC	<u>9834-1 :</u>
<u>1992":root;</u>	
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;	
<u>REGISTERED AS {LNP-OIDS.lnp-nameBinding 19};</u>	
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;	
CREATE WITH-AUTOMATIC-INSTANCE-NAMING;	
DELETE ONLY-IF-NO-CONTAINED-OBJECTS;	
REGISTERED AS {LNP-OIDS.lnp-nameBinding 20};	
1	

-- 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. !; -- 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. 1; -- 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 ! This attribute is used to store the status of an action that sends back an asynchronous notification with the results. 1; -- 4.0 LNP Additional Down Time Information additionalDownTimeInformation ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.GraphicString255; MATCHES FOR EQUALITY; BEHAVIOUR additionalDownTimeInformationBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 4}; 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.

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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. !;
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. !:
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.
<u>!;</u>
10.0 LNP Audit Results Audit Completion Time
auditResultCompletionTime ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR auditResultCompletionTimeBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 10};
<u>AEGISTERED AS {ENP-OIDS.INP-attribute 10},</u>
audit Daault Completier Deberier DEUNVIOUD
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>
<u> 11.0 LNP Audit Result Failed Service Provider List</u>
auditResultFailed-SP-List ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.Failed-SP-List;
MATCHES FOR EQUALITY;
BEHAVIOUR auditResultFailed-SP-ListBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 11};
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
providers for an audit that failed due to failures on Local
SMSs.
<u>!;</u>
12.0 LNP Audit Results Number of Discrepancies
auditResultNumberDiscrepancies ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.Integer;
MATCHES FOR EQUALITY;
BEHAVIOUR auditResultNumberDiscrepanciesBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 12};
<u>REGISTERED AS {ENP-OIDS.INP-attribute 12},</u>
auditResultNumberDiscrepanciesBehavior BEHAVIOUR
DEFINED AS !
This attribute is used to store the number of discrepancies found
in an audit results notification in a log record.
<u>!;</u>
<u> 13.0 LNP Audit Result Status</u>
auditResultStatus ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.AuditResultStatus;
MATCHES FOR EQUALITY;
BEHAVIOUR auditResultStatusBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 13};

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auditResultStatusBehavior BEHAVIOUR	
DEFINED AS !	
This attribute is used to store the final status of the audit	
in an audit results notification in a log record.	
<u>!;</u>	
14.0 LNP Operational Notification Down Time	
14.0 Int 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.	
<u>!;</u>	
<u> 15.0 LNP Failed TN List</u>	
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.	
!;	
16.0 LNP Audits Name	
<u>lnpAuditsName ATTRIBUTE</u> WITH ATTRIBUTE SYNTAX LNP-ASN1.LnpAuditsName;	
MATCHES FOR EQUALITY;	
BEHAVIOUR lnpAuditsNameBehavior;	
REGISTERED AS {LNP-OIDS.lnp-attribute 16};	
<u>lnpAuditsNameBehavior BEHAVIOUR</u>	
DEFINED AS !	,
This attribute provides an identifier for the lnpAudits manag	ed
17.0 LNP Local SMS Name	
<u>lnpLocal-SMS-Name ATTRIBUTE</u>	
WITH ATTRIBUTE SYNTAX LNP-ASN1.LnpSMS-Name;	
MATCHES FOR EQUALITY; BEHAVIOUR lnpLocal-SMS-NameBehavior;	
REGISTERED AS {LNP-OIDS.lnp-attribute 17};	
<u>lnpLocal-SMS-NameBehavior BEHAVIOUR</u>	
DEFINED AS !	
This attribute provides an identifier for the lnpLocalSMS	

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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".
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
<u>DEFINED AS !</u>
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>
WITH ATTRIBUTE SYNTAX LNP-ASN1.LnpSMS-Name;
MATCHES FOR EQUALITY;
<u>BEHAVIOUR lnpNPAC-SMS-NameBehavior;</u> REGISTERED AS {LNP-OIDS.lnp-attribute 19};
<u>REGISTERED AS {ENF-OIDS.INP-attribute 19},</u>
lnpNPAC-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.
<u>!;</u>
20.0 LNP Service Providers Name
<u>InpServiceProvsName ATTRIBUTE</u> WITH ATTRIBUTE SYNTAX LNP-ASN1.LnpServiceProvsName;
MATCHES FOR EQUALITY;
BEHAVIOUR lnpServiceProvsNameBehavior;
<u>lnpServiceProvsNameBehavior BEHAVIOUR</u>
<u>DEFINED AS !</u>
This attribute provides an identifier for the
InpServiceProvs object. The value for this attribute
will be "InpServiceProvs" in the NPAC SMS to Local SMS
Interface.
<u>!;</u>
21.0 LNP Specific Info

lnpSpecificInfo ATTRIBUTE

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WITH ATTRIBUTE SYNTAX LNP-ASN1.LnpSpecificInfo;
MATCHES FOR EQUALITY;
BEHAVIOUR lnpSpecificInfoBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 21};
<u>lnpSpecificInfoBehavior BEHAVIOUR</u>
DEFINED AS !
<u>This attribute is used to pass specific error information in the</u>
case of a cmip processing failure error.
<u>!;</u>
22.0 LNP Subscriptions Name
lnpSubscriptionsName ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.LnpSubscriptionsName;
MATCHES FOR EQUALITY;
BEHAVIOUR lnpSubscriptionsNameBehavior;
<pre>REGISTERED AS {LNP-OIDS.lnp-attribute 22};</pre>
<u>lnpSubscriptionsNameBehavior BEHAVIOUR</u>
DEFINED AS !
<u>This attribute provides an identifier for the</u>
lnpSubscriptions object. The value for this attribute
will be "InpSubscriptions" in the NPAC SMS to Local SMS
Interface.
<u></u>
22. A LND NDAG Contract Number
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};
<u>npacContactNumberBehavior BEHAVIOUR</u>
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;
NEGISTENED AS [LEN OIDS.INP 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.
<u>!;</u>
25.0 LNP Results Completion Time

resultsCompletionTime ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime;
MATCHES FOR EQUALITY, ORDERING;
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};
<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>
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.
<u>!;</u>
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.
<u>!;</u>
29.0 LNP Service Provider Data Download Reason
serviceProvDownloadReason ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.DownloadReason;

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MATCHES FOR EQUALITY;	
BEHAVIOUR serviceProvDownloadReasonBehavior;	
<u>REGISTERED AS {LNP-OIDS.lnp-attribute 29};</u>	
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	oplu
has meaning in objects instantiated on the Local SMS.	
<u>!;</u>	
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 !	
<u>This attribute provides an identifier for the</u>	
serviceProvNetwork and serviceProv objects as	
	nested
well as an identifier for the service provider who has req	
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 Creation Time Stamp	
SI.O LMF SELVICE FIOVIDET LKM CLEATION 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};	
REGISTERED AS { LINF-OIDS.INF-actitibute SI },	
serviceProvLRN-CreationTimeStampBehavior BEHAVIOUR	
DEFINED AS !	
This attribute provides the timestamp of when the	
<u>!;</u>	
<u> 32.0 LNP Service Provider LRN ID</u>	
serviceProvLRN-ID ATTRIBUTE	
WITH ATTRIBUTE SYNTAX LNP-ASN1.LRN-ID;	
<u>MATCHES FOR EQUALITY, ORDERING;</u>	
BEHAVIOUR serviceProvLRN-ID-Behavior;	
<pre>REGISTERED AS {LNP-OIDS.lnp-attribute 32};</pre>	
serviceProvLRN-ID-Behavior BEHAVIOUR	
DEFINED AS !	
	D 11
This attribute provides an identifier for the serviceProvL	
	<u>ute.</u>
	—
The NPAC SMS currently uses a 32-bit signed integer for th	е
Naming ID Value. The maximum value is ([2**31] - 1) or 2.	
It is anticipated that all Service Providers will be able	<u>to</u>
successfully handle Naming ID Values up to this maximum.	
· · · · · · · · · · · · · · · · · · ·	

<u>!;</u>
33.0 LNP Service Provider LRN Value
<pre>serviceProvLRN-Value ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.LRN; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR serviceProvLRN-Value-Behavior; REGISTERED AS {LNP-OIDS.lnp-attribute 33};</pre>
<u>serviceProvLRN-Value-Behavior BEHAVIOUR</u> <u>DEFINED AS !</u> 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 contained 01 23 45 67 89 then the LRN value would be displayed as 0123456789). !;
34.0 LNP Service Provider LSMS Address
<pre>serviceProvLSMS-Address ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.AddressInformation; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR serviceProvLSMS-AddressBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 34};</pre>
<pre>serviceProvLSMS-AddressBehavior BEHAVIOUR DEFINED AS ! This attribute is used to specify the service provider LSMS address and contact information. !;</pre>
35.0 LNP Service Provider Name
<pre>serviceProvName ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.ServiceProvName; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR serviceProvNameBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 35};</pre>
<u>serviceProvNameBehavior BEHAVIOUR</u> <u>DEFINED AS !</u> <u>This attribute is the English name for the service provider.</u> <u>!;</u>
36.0 LNP Service Provider Network and Communications Address
<pre>serviceProvNetAddress ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.AddressInformation; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR serviceProvNetAddressBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 36};</pre>
<u>serviceProvNetAddressBehavior BEHAVIOUR</u> <u>DEFINED_AS_!</u> This attribute is used to specify the service provider network

and communications facilities address and contact information.
<u>!;</u>
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;
<pre>REGISTERED AS {LNP-OIDS.lnp-attribute 37};</pre>
serviceProvNPA-NXX-CreationTimeStampBehavior BEHAVIOUR
DEFINED AS !
This attribute provides the timestamp of the creation of the
serviceProvNPA-NXX object on the NPAC SMS.
<u>!;</u>
38.0 LNP Service Provider NPA-NXX Effective Time Stamp
JU.U MAT DELVICE FIGURATE MAT MAAT HITCHEVE TIME DEamp
serviceProvNPA-NXX-EffectiveTimeStamp ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR serviceProvNPA-NXX-EffectiveTimeStampBehavior;
<pre>REGISTERED AS {LNP-OIDS.lnp-attribute 38};</pre>
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
39.0 LNP Service Plovider NPA-NAA ID
<u>serviceProvNPA-NXX-ID ATTRIBUTE</u>
WITH ATTRIBUTE SYNTAX LNP-ASN1.NPA-NXX-ID;
<u>MATCHES FOR EQUALITY, ORDERING;</u>
BEHAVIOUR serviceProvNPA-NXX-ID-Behavior;
<u>REGISTERED AS {LNP-OIDS.lnp-attribute 39};</u>
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.
INE NFAC SMS determines the value for this attribute.
The NDAG CMG surgestly uses a 20 bit signed interest for 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
successfully handle Naming ID Values up to this maximum.
40.0 LNP Service Provider NPA-NXX Value
40.0 LNP Service Provider NPA-NXX Value
40.0 LNP Service Provider NPA-NXX Value serviceProvNPA-NXX-Value ATTRIBUTE
40.0 LNP Service Provider NPA-NXX Value <u>serviceProvNPA-NXX-Value ATTRIBUTE</u> <u>WITH ATTRIBUTE SYNTAX LNP-ASN1.NPA-NXX;</u>
40.0 LNP Service Provider NPA-NXX Value serviceProvNPA-NXX-Value ATTRIBUTE

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
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
serviceProvRepairCenterInfo ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.AddressInformation;
MATCHES FOR EQUALITY, ORDERING;
<u>BEHAVIOUR serviceProvRepairCenterInfoBehavior;</u>
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;
BEHAVIOUR serviceProvSOA-AddressBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 43}; serviceProvSOA-AddressBehavior BEHAVIOUR
BEHAVIOUR serviceProvSOA-AddressBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 43}; serviceProvSOA-AddressBehavior BEHAVIOUR DEFINED AS !
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
BEHAVIOUR serviceProvSOA-AddressBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 43}; serviceProvSOA-AddressBehavior BEHAVIOUR DEFINED AS !
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.
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. !;
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
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
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;
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 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;
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};

information for service provider for the SOA to NPAC SMS and NPAC SMS to Local SMS interfaces.
<u>!;</u>
46.0 LNP Service Provider User Administration Contact Address
<u>serviceProvUserAdminAddress ATTRIBUTE</u> WITH ATTRIBUTE SYNTAX LNP-ASN1.AddressInformation; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR serviceProvUserAdminAddressBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 46};
<u>serviceProvUserAdminAddressBehavior BEHAVIOUR</u> DEFINED AS !
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
<pre>serviceProvWebAddress ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.AddressInformation; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR serviceProvWebAddressBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 47};</pre>
<u>AEGISIEKED AS {ENF-OIDS.IND-acclibute 47},</u>
<u>serviceProvWebAddressBehavior BEHAVIOUR</u> <u>DEFINED AS !</u>
This attribute is used to specify the service provider Web interface address and contact information. !;
48.0 LNP Subscription Activation Time Stamp
<u>subscriptionActivationTimeStamp ATTRIBUTE</u> <u>WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime;</u> MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR subscriptionActivationTimeStampBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 48};
<u>subscriptionActivationTimeStampBehavior BEHAVIOUR</u> 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
subscriptionAuditAttributeList ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.AuditAttributes;
MATCHES FOR EQUALITY; BEHAVIOUR subscriptionAuditAttributeListBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 49};
<u>subscriptionAuditAttributeListBehavior BEHAVIOUR</u> DEFINED_AS !
This attribute is used to specify the list of attributes in a subscription version that are to be audited.

-- 50.0 LNP Subscription Audit ID subscriptionAuditId ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.AuditId; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR subscriptionAuditIdBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 50}; 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. !; -- 51.0 LNP Subscription Audit Name subscriptionAuditName ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.AuditName; MATCHES FOR EQUALITY, ORDERING, SUBSTRINGS; BEHAVIOUR 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. 1; -- 52.0 LNP Subscription Audit Number of TNs to be Audited 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. !; -- 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};

1;

SDMO I
subscriptionAuditNumberOfTNsCompleteBehavior BEHAVIOUR
DEFINED AS !
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
subscriptionAuditRequestingSP ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.ServiceProvId;
MATCHES FOR EQUALITY;
BEHAVIOUR subscriptionAuditRequestingSP-Behavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 54};
subscriptionAuditRequestingSP-Behavior BEHAVIOUR
<u>DEFINED AS !</u>
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
audit.
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.
<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
<pre>subscriptionAuditTN-Range ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.TN-Range; MATCHES FOR EQUALITY; BEHAVIOUR subscriptionAuditTN-RangeBehavior; 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.
60.0 LNP Subscription Billing Id
<pre>subscriptionBillingId ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.BillingId; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR subscriptionBillingIdBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 60};</pre>
<pre>subscriptionBillingIdBehavior BEHAVIOUR DEFINED AS ! This attribute is used to specify the Billing Id for the subscription version. !;</pre>
61.0 LNP Subscription Broadcast Time Stamp
<pre>subscriptionBroadcastTimeStamp ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR subscriptionBroadcastTimeStampBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 61};</pre>
<pre>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. !;</pre>
62.0 LNP Subscription Cancellation Time Stamp
<pre>subscriptionCancellationTimeStamp ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR subscriptionCancellationTimeStampBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 62};</pre>
<u>subscriptionCancellationTimeStampBehavior BEHAVIOUR</u>

GDMO Definition
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
05.0 LAF Subscription Version Class Destination Forne Code
subscriptionCLASS-DPC ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.DPC;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR subscriptionCLASS-DPCBehavior;
<pre>REGISTERED AS {LNP-OIDS.lnp-attribute 63};</pre>
subscriptionCLASS-DPCBehavior BEHAVIOUR
DEFINED AS !
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
as 255.255.255).
<u>!;</u>
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.
<u>!;</u>
65.0 LNP Subscription CNAM Destination Point Code
subscriptionCNAM-DPC ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.DPC;
MATCHES FOR EQUALITY, ORDERING;
<u>BEHAVIOUR subscriptionCNAM-DPC-Behavior;</u>
<pre>REGISTERED AS {LNP-OIDS.lnp-attribute 65};</pre>
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
as 255.255.255).
<u>!;</u>
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
value for the subscription version.
<u>!;</u>
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};
REGISTERED AS {EMP-OIDS.INP-acclibute 07},
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
aubagrintionDiggonnostCompletemineStern Ammprover
<u>subscriptionDisconnectCompleteTimeStamp ATTRIBUTE</u> WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR subscriptionDisconnectCompleteTimeStampBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 70};
subscriptionDisconnectCompleteTimeStampBehavior BEHAVIOUR
DEFINED AS !

GDMO Definitio
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.
<u>!;</u>
70. O TND Outreminting Referction Deleges Date
72.0 LNP Subscription Effective Release Date
subscriptionEffectiveReleaseDate ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR subscriptionEffectiveReleaseDateBehavior;
<pre>REGISTERED AS {LNP-OIDS.lnp-attribute 72};</pre>
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;
REGISTERED AS {LNP-OIDS.lnp-attribute 73};
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.
<u>icate ase.</u>
74.0 LNP Subscription End User Location Value
/4.0 LNP Subscription End Oser Location Value
aubaaninti anEnduaanu aasti anValua. AUUDIDUUE
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.
<u>!;</u>
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;
<pre>REGISTERED AS {LNP-OIDS.lnp-attribute 75};</pre>
<u>subscriptionFailed-SP-ListBehavior BEHAVIOUR</u>
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.
A subscription version of LNP type equal to 'pool' will have a
<u>subscriptionFailed-SP-List for any non-EDR service providers</u>
who failed to receive the subscription version and any EDR service
providers who failed to receive the number pool block.
providero and fatted to receive the namber poor stoon.
<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};
REGISTERED AS (INF-OIDS.INF-attribute /0),
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).
<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;
The second the second s
subscriptionISVM-SSN-Behavior BEHAVIOUR
DEFINED AS !
This attribute is used to specify the ISVM SSN
value for the subscription version.
!;

<pre></pre>	GDNO Den
<pre>with ATTRIBUTE SYNTAX INP-ASNL.DEC; MATCHES FOR EOUALITY. ORDERING; BEHAVIOUR subscriptionLIDE-DPC-Behavior; REGISTERED AS (INF-OIDS.lnp-attribute 78); subscriptionLIDE-DPC-Behavior BEHAVIOUR DEFINED AS (I This attribute is used to specify the LIDE Destination Point value for the subscription version. The data is stored in BCD (e.g. a value of FFFFFF would be displayed as 255.255.25).]; - 79.0 LNP Subscription LIDE SSN subscriptionLIDE-SSN ATTRIBUTE with ATTRIBUTE SYNTAX INP-ASNL.SSN; MATCHES FOR EOUALITY. ORDERING; BEHAVIOUR subscriptionLIDE-MSN-Behavior; REGISTERED AS (INF-OIDS.lnp-attribute 79); subscriptionLIDE-SSN-Rehavior BEHAVIOUR 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 subscriptionLIDE-SSN-ATTRIBUTE with ATTRIBUTE SYNTAX INP-ASNL LNPType; MATCHES FOR EOUALITY; BEHAVIOUR subscription local Number Portability Type subscriptionLINPType ATTRIBUTE with ATTRIBUTE SYNTAX INP-ASNL LNPType; MATCHES FOR EOUALITY; BEHAVIOUR subscription REHAVIOUR DEFINED AS 1 This attribute is used to specify the LOCAL Number Portability type for the subscription version.]; = 51.0 LNP Subscription BEHAVIOUR DEFINED AS 1 This attribute is used to specify the Local Number Portability type for the subscription version.]; = 51.0 LNP Subscription LEN SubscriptionLNPTypeBehavior BEHAVIOUR DEFINED AS 1 This attribute is used to specify the Local Number Portability type for the subscription version.]; = c 81.0 LNP Subscription LEN SubscriptionLNPTypeBehavior; REGISTERED AS (LNP-OIDS.lnp-attribute 80]; SubscriptionLNPTypeBehavior; REGISTERED AS (LNP-OIDS.lnp-attribute 81]; SubscriptionLNPTypeBehavior BEHAVIOUR DEFINED AS 1 This attribute is used to specify the subscription LEN defined AS 1 This attribute is used to specify the subscription LEN defined AS 1 This attribute is used to specify the subscription LEN defined AS 1 This attribute is used to specify the subscription LEN defined AS 1 This attribute is used to sp</pre>	78.0 LNP Subscription LIDB Destination Point Code
<pre>MATCHES FOR EQUALITY, ORDERING; BEHANYOUR subscriptionLIDE-DPC-Behavior; REGISTERED AS (LNP-OIDS.Inp-attribute 78); subscriptionLIDE-DPC-Behavior BEHAVIOUR DEFINED AS 1 This attribute is used to specify the LIDE Destination Foint value for the subscription version. The data is stored in BCD (e.g. a value of FFFFFF would be displayed as 255.255.255.]; </pre>	
<pre></pre>	
<pre>subscriptionLIDB-DPC-Behavior BEHAVIOUR DPFINED AS 1 This attribute is used to specify the LIDE 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). J;</pre>	
<pre>DEFINED AS ! DEFINED AS ! This attribute is used to specify the LIDE 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.) !</pre>	REGISTERED AS {LNP-OIDS.Inp-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 255.255.255). 1/ =- 79.0 LNP Subscription LIDB SSN subscriptionLIDB-SSN ATTRIPUTE WITH ATTRIBUTE SYNTAX LNP-ASNL.SSN; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR subscriptionLIDB-SSN-Behavior; REGISTERED AS (LNP-OIDS.Inp-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-ASNL.LNPType; MATCHES FOR EQUALITY; BEHAVIOUR subscriptionLNPTypeBehavior; REGISTERED AS (LNP-OIDS.Inp-attribute 80); SubscriptionLNPTypeBehavior BEHAVIOUR DEFINED AS 1: 80.0 LNP SubscriptionLNPTypeBehavior; REGISTERED AS (LNP-OIDS.Inp-attribute 80); SubscriptionLNPTypeBehavior BEHAVIOUR DEFINED AS 1: 81.0 LNP Subscription LRN SubscriptionLNPTypeBehavior; REGISTERED AS (LNP-OIDS.Inp-attribute 80); SubscriptionLNPTypeBehavior; REGISTERED AS 1: 81.0 LNP Subscription LRN SubscriptionLNN ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASNL.LNP; WITH ATTRIBUTE SYNTAX LNP-ASNL,LNP; MATCHES FOR EQUALITY; ORDERING; BEHAVIOUR subscriptionLRN SubscriptionLNN ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASNL,LNP; MATCHES FOR EQUALITY; ORDERING; BEHAVIOUR subscriptionLRN ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASNL,LNP; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR subscriptionLNPASL,LNP; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR subscriptionLRNBehavior; REGISTERED AS (LNP-OIDS.Inp-attribute 81); SubscriptionLNNBehavior BEHAVIOUR DEFINED AS 1: This attribute is used to specify the subscription LRN for a subscription Version.	
<pre>value for the subscription version. The data is stored in BCD (e.g. a value of FFFFFF would be displayed as 255.255.255. //</pre>	
<pre>displayed as 255.255.255. :- 79.0 LNP Subscription LIDE SSN subscriptionLIDE-SSN ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASNI.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; 80.0 LNP Subscription Local Number Portability Type subscriptionLNPType ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.LNPType; MATCHES FOR EQUALITY; BEHAVIOUR subscription Local Number Portability Type subscriptionLNPType ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.LNPType; MATCHES FOR EQUALITY; BEHAVIOUR subscription 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 BEHAVIOUR BEHAVIOUR 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 SubscriptionLNPTypeBehavior; REGISTERED AS (LNP-OIDS.lnp-attribute 81); SubscriptionLNPTAX LNP-ASN1.LRN; MATCHES FOR EQUALITY; ORDERING; BEHAVIOUR SubscriptionLNPDehavior; REGISTERED AS (LNP-OIDS.lnp-attribute 81); SubscriptionLNPBehavior BEHAVIOUR DEFINED AS 1 This attribute is used to specify the subscription LRN SubscriptionLNPBehavior BEHAVIOUR DEFINED AS 1 This attribute is used to specify the subscription LRN SubscriptionLNPBehavior BEHAVIOUR DEFINED AS 1 This attribute is used to specify the subscription LRN ATCHES FOR EQUALITY. ORDERING; BEHAVIOUR Subscription VERIAVIOUR DEFINED AS 1 This attribute is used to specify the subscription LRN ATCHES FOR EQUALITY. ORDERING; BEHAVIOUR Subscription VERIAVIOUR DEFINED AS 1 This attribute is used to specify the subscription LRN ATCHES FOR EQUALITY. ORDERING; SubscriptionLNBehavior; BEHAVIOUR SUBScription VERIAVI</pre>	
<pre>1;</pre>	
<pre>subscriptionLIDE-SSN ATTRIEUTE wITH ATTRIEUTE SYNTAX INP-ASN1.SSN; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR subscriptionIIDE-SSN-Behavior; REGISTERED AS (LPP-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. ; 80.0 LNP Subscription Local Number Portability Type subscriptionLNPType ATTRIEUTE wITH ATTRIEUTE SYNTAX INP-ASN1.LNPType; MATCHES FOR EQUALITY; BEHAVIOUR subscriptionLNPTypeBehavior; REGISTERED AS (LNP-OIDS.lnp-attribute 80); subscriptionLNPTypeBehavior BEHAVIOUR DEFINED AS 1 81.0 LNP Subscription LRN 81.0 LNP Subscription LRN</pre>	
<pre>subscriptionLIDE-SSN ATTRIEUTE wITH ATTRIEUTE SYNTAX INP-ASN1.SSN; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR subscriptionIIDE-SSN-Behavior; REGISTERED AS (LPP-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. ; 80.0 LNP Subscription Local Number Portability Type subscriptionLNPType ATTRIEUTE wITH ATTRIEUTE SYNTAX INP-ASN1.LNPType; MATCHES FOR EQUALITY; BEHAVIOUR subscriptionLNPTypeBehavior; REGISTERED AS (LNP-OIDS.lnp-attribute 80); subscriptionLNPTypeBehavior BEHAVIOUR DEFINED AS 1 81.0 LNP Subscription LRN 81.0 LNP Subscription LRN</pre>	
<pre>WITH ATTRIBUTE SYNTAX LNP-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; 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; \$1.0 LNP Subscription LRN subscriptionLNN ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.LNY; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR Subscription LRN \$1.0 LNP Subscription LRN subscriptionLNA TTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.LNY; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR SUBScriptionLNNA SYNTAX LNP-ASN1.LNY; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR SUBScriptioNLNA SYNTAX LNP-ASN1.LNY; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR SUBScriptioNLNA SYNTAX LNP-ASN1.LNY; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR SUBScriptioNLNA SYNTAX LNP-ASN1.LNY; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR SUBScriptioN SEHAVIOUR DEFINED AS 1 This attribute is used to specify the subscription LNN for a subscriptioN version.</pre>	79.0 LNP Subscription LIDB SSN
<pre>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; 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 subscriptionLNP ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.LNN; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR Subscription LRN subscriptionLNM ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.LNN; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR SubscriptionLNNBehavior; REGISTERED AS (LNP-OIDS.lnp-attribute 81); subscriptionLNNBehavior BEHAVIOUR DEFINED AS 1 This attribute is used to specify the subscription LRN generationLNNBehavior BEHAVIOUR DEFINED AS 1 This attribute is used to specify the subscription LRN </pre>	
<pre>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; 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 subscriptionLNATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.LRN; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR subscriptionLRNHehavior; REGISTERED AS (LNP-OIDS.lnp-attribute 81); subscriptionLNNBehavior BEHAVIOUR DEFINED AS ! This attribute is used to specify the subscription LRN subscriptionLNNATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.LRN; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR subscriptionLRNHehavior; REGISTERED AS (LNP-OIDS.lnp-attribute 81); subscriptionLRNBehavior BEHAVIOUR DEFINED AS ! This attribute is used to specify the subscription LRN for a subscription version.</pre>	
<pre>subscriptionLIDB-SSN-Behavior BEHAVIOUR </pre>	
<pre>DEFINED AS ! This attribute is used to specify the LIDB SSN value for the subscription version. !:</pre>	REGISTERED AS {LNP-OIDS.lnp-attribute 79};
This attribute is used to specify the LIDB SSN value for the subscription version. :	-
<pre>!:</pre>	
<pre></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 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.</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 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.</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.</pre>	subscriptionLNPType ATTRIBUTE
<pre>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.</pre>	
<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.</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.	
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.	subscriptionLNPTypeBehavior BEHAVIOUR
<pre>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.</pre>	
<pre>!;</pre>	
<pre></pre>	
WITH ATTRIBUTE SYNTAX LNP-ASN1.LRN; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR subscriptionLRNBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 81}; <u>subscriptionLRNBehavior BEHAVIOUR</u> <u>DEFINED AS !</u> This attribute is used to specify the subscription LRN for a subscription version.	81.0 LNP Subscription 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.	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.	WITH ATTRIBUTE SYNTAX LNP-ASN1.LRN;
REGISTERED AS {LNP-OIDS.lnp-attribute 81}; subscriptionLRNBehavior BEHAVIOUR DEFINED AS ! This attribute is used to specify the subscription LRN for a subscription version.	
<u>subscriptionLRNBehavior BEHAVIOUR</u> <u>DEFINED AS !</u> This attribute is used to specify the subscription LRN for a subscription version.	
This attribute is used to specify the subscription LRN for a subscription version.	subscriptionLRNBehavior BEHAVIOUR
for a subscription version.	
The data is stored as packed decimal. For example, if the octets	
	The data is stored as packed decimal. For example, if the octets

GDMO Definitions
contained 01 23 45 67 89 then the LRN value would be displayed
as 0123456789).
<u>!:</u>
82.0 LNP Subscription Modified Time Stamp
aubaarintianMadifiadTimeStamp ATTRITE
<u>subscriptionModifiedTimeStamp ATTRIBUTE</u> WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR subscriptionModifiedTimeStampBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 82};
subscriptionModifiedTimeStampBehavior BEHAVIOUR
DEFINED AS !
This attribute is used to specify the last modification date
for a subscription version.
83.0 LNP Subscription New or Current Service Provider
subscriptionNewCurrentSP ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.ServiceProvId;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR subscriptionNewCurrentSPBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 83};
subscriptionNewCurrentSPBehavior BEHAVIOUR
DEFINED AS !
This attribute is used to specify the subscription New or Current
Service Provider 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.
<u>!:</u>
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;
REGISTERED AS {LNP-OIDS.lnp-attribute 84};
subscriptionNewSP-CancellationTimeStampBehavior BEHAVIOUR
DEFINED AS !
This attribute is used to specify the subscription cancellation
concurrence time stamp for the subscription in a
cancel-pending state. This value is specified by the concurrence of the new service provider.
!;
85.0 LNP Subscription New Service Provider Conflict Resolution Time Stamp
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>

GDMO Definitio
subscriptionNewSP-ConflictResolutionTimeStampBehavior BEHAVIOUR
DEFINED AS ! This attribute is used to specify when the subscription
version was removed from conflict by the new service provider.
<u>!;</u>
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};
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
subscription from the old service provider. This timestamp is set
by the NPAC SMS when the new service provider sends its create
request.
This attribute is also used to store the new service provider
creation time stamp for an old SP concurrence request notification
in a log record.
<u>!;</u>
87.0 LNP Subscription New Service Provider Activation Due Date
subscriptionNewSP-DueDate ATTRIBUTE
<u>WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime;</u> <u>MATCHES FOR EQUALITY, ORDERING;</u>
BEHAVIOUR subscriptionNewSP-DueDateBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 87};
subscriptionNewSP-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
<u>a new service provider.</u> 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.
<u>!;</u>
00.0 IND Subsemistion Old Counies Dresider
88.0 LNP Subscription Old Service Provider
subscriptionOldSP ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.ServiceProvId;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR subscriptionOldSPBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 88};
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.
89.0 LNP Subscription Old Service Provider Authorization
<pre>subscriptionOldSP-Authorization ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.ServiceProvAuthorization; MATCHES FOR EQUALITY; BEHAVIOUR subscriptionOldSP-AuthorizationBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 89};</pre>
subscriptionOldSP-AuthorizationBehavior BEHAVIOURDEFINED AS !This attribute is used to indicate the old serviceprovider authorization or denial of cutover for the subscriptionto 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. !;
90.0 LNP Subscription Old Service Provider Authorization Time Stamp
<pre>subscriptionOldSP-AuthorizationTimeStamp ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR subscriptionOldSP-AuthorizationTimeStampBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 90};</pre>
subscriptionOldSP-AuthorizationTimeStampBehavior BEHAVIOURDEFINED AS !This attribute is used to specify the time stamp of whenthe old service provider authorizes or denies the cutover for thesubscription to the new service provider. This timestamp is setby the NPAC SMS when the old service provider sends its createrequest or modifies the authorization information foractivation.
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. !;
91.0 LNP Subscription Old Service Provider Cancellation Time Stamp
<pre>subscriptionOldSP-CancellationTimeStamp ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR subscriptionOldSP-CancellationTimeStampBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 91};</pre>
<u>subscriptionOldSP-CancellationTimeStampBehavior BEHAVIOUR</u> <u>DEFINED AS !</u> This attribute is used to specify the subscription cancellation

GDMO Definition
time stamp for the subscription version. This value is set by
the NPAC SMS.
<u></u>
92.0 LNP Subscription Old Service Provider Conflict Resolution Time Stamp
subscriptionOldSP-ConflictResolutionTimeStamp ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR subscriptionOldSP-ConflictResolutionTimeStampBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 92};
<u>subscriptionOldSP-ConflictResolutionTimeStampBehavior BEHAVIOUR</u>
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;
REGISTERED AS {LNP-OIDS.lnp-attribute 93};
<u>subscriptionOldSP-DueDateBehavior BEHAVIOUR</u>
DEFINED AS !
This attribute is used to specify the subscription due
date and time for the subscription when they are being ported to a ne
service provider from an old service provider. This value
is specified by the old service provider.
IS Specified by the old 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.
<u>!;</u>
94.0 LNP Subscription Old Time Stamp
JA: O INI Bubbelliption of a fine beamp
subscriptionOldTimeStamp ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR subscriptionOldTimeStampBehavior;
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.
<u>!;</u>
<pre>!; 95.0 LNP Subscription Porting To Original SP Switch</pre>
95.0 LNP Subscription Porting To Original SP Switch

MATCHES FOR EQUALITY;
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.
96.0 LNP Subscription Pre-Cancellation Status
90.0 LNP Subscription Fle-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
DEFINED AS !
This attribute is used to specify the previous status of a
canceled subscription version.
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};
subscriptionTN-Behavior BEHAVIOUR
DEFINED AS !
This attribute is used to specify the subscription version TN .
<u>This attribute is also used to store the subscription version TN</u>
for a new SP create request and a old service provider concurrence
request notification in a log record
request notification in a log record.
<u>request notification in a log record.</u> <u>!:</u>
<u>!;</u>
<pre>!; 98.0 LNP Subscription Version Attribute Value Change Information</pre>
<u>!;</u>
<pre>!; 98.0 LNP Subscription Version Attribute Value Change Information subscriptionVersionAttributeValueChangeInfo ATTRIBUTE</pre>
<pre>!; 98.0 LNP Subscription Version Attribute Value Change Information subscriptionVersionAttributeValueChangeInfo ATTRIBUTE WITH ATTRIBUTE SYNTAX Notification-ASN1Module.AttributeValueChangeInfo;</pre>
<pre>!; 98.0 LNP Subscription Version Attribute Value Change Information subscriptionVersionAttributeValueChangeInfo ATTRIBUTE WITH ATTRIBUTE SYNTAX Notification-ASN1Module.AttributeValueChangeInfo; MATCHES FOR EQUALITY;</pre>
<pre>!; 98.0 LNP Subscription Version Attribute Value Change Information subscriptionVersionAttributeValueChangeInfo ATTRIBUTE WITH ATTRIBUTE SYNTAX Notification-ASN1Module.AttributeValueChangeInfo; MATCHES FOR EQUALITY; BEHAVIOUR subscriptionVersionAttributeValueChangeInfoBehavior;</pre>
<pre>!; 98.0 LNP Subscription Version Attribute Value Change Information subscriptionVersionAttributeValueChangeInfo ATTRIBUTE WITH ATTRIBUTE SYNTAX Notification-ASN1Module.AttributeValueChangeInfo; MATCHES FOR EQUALITY;</pre>
<pre>!; 98.0 LNP Subscription Version Attribute Value Change Information subscriptionVersionAttributeValueChangeInfo ATTRIBUTE WITH ATTRIBUTE SYNTAX Notification-ASN1Module.AttributeValueChangeInfo; MATCHES FOR EQUALITY; BEHAVIOUR subscriptionVersionAttributeValueChangeInfoBehavior;</pre>
<pre>!; 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};</pre>
<pre>!; 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</pre>
<pre>!; 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};</pre>
<pre>!; 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 !</pre>
<pre>!; 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 ! This attribute is used to store the attribute value change</pre>
<pre>!; 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 ! This attribute is used to store the attribute value change information for a subscription version or number pool block</pre>
<pre>!; 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 ! This attribute is used to store the attribute value change</pre>
<pre>!; 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 ! This attribute is used to store the attribute value change information for a subscription version or number pool block status attribute value change notification in a log record.</pre>
<pre>!; 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 ! This attribute is used to store the attribute value change information for a subscription version or number pool block</pre>
<pre>1: 98.0 LNP Subscription Version Attribute Value Change Information subscriptionVersionAttributeValueChangeInfo ATTRIBUTE </pre>
<pre>!; 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 ! This attribute is used to store the attribute value change information for a subscription version or number pool block status attribute value change notification in a log record.</pre>

subscriptionVersionId ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.SubscriptionVersionId;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR subscriptionVersionIdBehavior;
<u>REGISTERED AS {ENF-OIDS.INP-acclibuce 55};</u>
subscriptionVersionIdBehavior BEHAVIOUR
DEFINED AS !
This attribute provides an identifier for the
InpSubscriptions and subscriptionVersion objects. 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.
This attribute is also used to store the subscription version Id
in notification log records.
<u>!;</u>
100 0 IND Subscription Manaier Status
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,
conflict, sending, active, failed, partial failure, old,
canceled, disconnect-pending, and cancel-pending.
<u>!;</u>
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;
REGISTERED AS {LNP-OIDS.lnp-attribute 101};
lsmsFilterNPA-NXX-ID-Behavior BEHAVIOUR
DEFINED AS !
This attribute provides an identifier for the
lsmsFilterNPA-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.
successfully handle Naming ID Values up to this maximum.
<u>!;</u>
102 0 IND ISMS Filter NDA-NYY Value

-- 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
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};
<u>serviceProvSecurityAddressBehavior BEHAVIOUR</u> DEFINED AS !
This attribute is used to specify the security contact information
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 attempt or the current state of the NPAC SMS.
<u></u>
<u> 106.0 LNP SOA Name</u>
<u>lnpSOA-Name ATTRIBUTE</u>
WITH ATTRIBUTE SYNTAX LNP-ASN1.LnpSMS-Name;
MATCHES FOR EQUALITY;

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BEHAVIOUR lnpSOA-NameBehavior;	
REGISTERED AS {LNP-OIDS.lnp-attribute 106};	
<u>lnpSOA-NameBehavior BEHAVIOUR</u>	
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	
<u>NPAC-SMS</u> 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>	
<u> 107.0 Subscription Version Timer Type</u>	
subscriptionTimerType ATTRIBUTE	
WITH ATTRIBUTE SYNTAX LNP-ASN1.Integer;	
MATCHES FOR EQUALITY;	
<u>BEHAVIOUR subscriptionTimerTypeBehavior;</u>	
REGISTERED AS {LNP-OIDS.lnp-attribute 107};	
subscriptionTimerTypeBehavior BEHAVIOUR	
<u> </u>	
This attribute is used to specify the subscription versior	<u>1</u>
timer type being used to set tunable timers.	
<u>Current valid values are:</u>	
0 for long timers (used primarily for wireline to wireline	
<u>1 for short timers (anticipated use for wireless to wirele</u>	<u>ess)</u>
Long timers (0) is set if any of the two service providers	3
supports only long timers.	<u>-</u>
<u>!;</u>	
<u> 108.0 Subscription Version Business Type</u>	
subscriptionBusinessType ATTRIBUTE	
WITH ATTRIBUTE SYNTAX LNP-ASN1.Integer;	
MATCHES FOR EQUALITY;	
BEHAVIOUR subscriptionTimerTypeBehavior;	
REGISTERED AS {LNP-OIDS.lnp-attribute 108};	
subscriptionBusinessTypeBehavior BEHAVIOUR	
DEFINED AS !	
This attribute is used to specify the subscription versior	<u>1</u>
business hours/days type being used to set tunable timers.	
<u>Current valid values are:</u>	
<u> </u>	
(used primarily for wireline to wireline)	
1 for long business hours/days	
(anticipated use for wireless to wireless)	
(autrotharca ape for withereas co withereas)	
<u>Short business hours (0)is set if any of the two</u>	
service providers supports only short business hours.	
1:	
· /	

!;

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109.0 Subscription Version WSMSC Destination Point Code	
<pre>subscriptionWSMSC-DPC ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.DPC; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR subscriptionWSMSC-DPCBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 109};</pre>	
subscriptionWSMSC-DPCBehavior BEHAVIOUR DEFINED AS ! This attribute is used to specify the subscription version WSMSC Destination Point Code	<u>1</u>
The data is stored in BCD (e.g. a value of FFFFFF would be displayed as 255.255.255).	2
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 versior WSMSC SSN. !;</pre>	<u>1</u>
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>	
numberPoolBlockActivationTimeStampBehavior BEHAVIOUR DEFINED AS ! This attribute defines the current date and time when the create request is received for the number pool block.	
112.0 LNP Number Pool Block Broadcast TimeStamp	
<pre>numberPoolBlockBroadcastTimeStamp ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR numberPoolBlockBroadcastTimeStampBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 112};</pre>	
numberPoolBlockBroadcastTimeStampBehavior BEHAVIOUR DEFINED AS ! This attribute defines the date and time when the NPAC sta broadcast of the number pool block to the LSMSs. !;	<u>arts any</u>

113.0 LNP Number Pool Block Creation TimeStamp
<pre>numberPoolBlockCreationTimeStamp ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime; MATCHES FOR EQUALITY, ORDERING; BEHAVIOUR numberPoolBlockCreationTimeStampBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 113};</pre>
<pre>numberPoolBlockCreationTimeStampBehavior BEHAVIOUR DEFINED AS ! This attribute defines the date and time of the number pool block creation. !;</pre>
114.0 LNP Number Pool block Class Destination Point Code
<pre>numberPoolBlockCLASS-DPC_ATTRIBUTE WITH ATTRIBUTE SYNTAX_LNP-ASN1.DPC; MATCHES_FOR_EQUALITY, ORDERING; BEHAVIOUR_numberPoolBlockCLASS-DPCBehavior; REGISTERED_AS_{LNP-OIDS.lnp-attribute_114};</pre>
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>!;</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};
numberPoolBlockCNAM-DPC-Behavior BEHAVIOUR 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></u>
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;
<pre>REGISTERED AS {LNP-OIDS.lnp-attribute 117};</pre>
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>!;</u>
118.0 LNP Number Pool Block Disconnect Complete TimeStamp
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 equalto 'pool'.
<u></u>
119.0 LNP Number Pool Block Data Download 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.
<u>!;</u>
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.
LNP cype equal to poor and/or number poor brock.
A numberPoolBlockFailed-SP-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'.
<u>!;</u>
101 0 IND Number Deel Direk Ormaine Duradilar ID
121.0 LNP Number Pool Block Service Provider ID
numberPoolBlockHolderSPID ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.ServiceProvId;
MATCHES FOR EQUALITY;
BEHAVIOUR numberPoolBlockHolderSPIDBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 121};
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;
BEHAVIOUR numberPoolBlockISVM-DPC-Behavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 123};
MOTOTOTOTO AD (THAT OTDO, THP ACCEDUCE 123),
numberPoolBlockISVM-DPC-Behavior BEHAVIOUR
DEFINED AS !
Code for the numberPoolBlock.
Code for the humberroutbrock.

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>
<u> 124.0 LNP Number Pool Block ISVM SSN</u>
numberPoolBlockISVM-SSN ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.SSN;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR numberPoolBlockISVM-SSN-Behavior;
<u>REGISTERED AS {LNP-OIDS.lnp-attribute 124};</u>
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.
<u>!;</u>
125.0 LNP Number Pool Block LIDB Destination Point Code
numberPoolBlockLIDB-DPC ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.DPC;
MATCHES FOR EQUALITY, ORDERING;
<u>BEHAVIOUR numberPoolBlockLIDB-DPC-Behavior;</u>
REGISTERED AS {LNP-OIDS.lnp-attribute 125};
number Decile Lacking DDC Debassion DEUANIOND
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.
<u>!;</u>
100 0 TND Nuclear Deel Direk LTDD 00N
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
NPAC SMS are 0-255.
<u>!;</u>
127.0 LNP Number Pool Block LRN
numberPoolBlockLRN ATTRIBUTE
W = V = V = V = V = V = V = V = V = V =
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 LRN	
for a numberPoolBlock.	
The data is stored as packed decimal. For example, if the o	otate
contained 01 23 45 67 89 then the LRN value would be displa	iyed
as 0123456789).	
<u>!;</u>	
128.0 LNP Number Pool Block Last Modified TimeStamp	
numberPoolBlockModifiedTimeStamp ATTRIBUTE	
WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime;	
<u>MATCHES FOR EQUALITY, ORDERING;</u>	
BEHAVIOUR numberPoolBlockModifiedTimeStampBehavior;	
REGISTERED AS {LNP-OIDS.lnp-attribute 128};	
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 !	
	widerla
This boolean value indicates whether or not the service pro	
SOA initiated the block over the SOA to NPAC SMS interface	<u>and whether</u>
the SOA will receive notifications for this object.	
This standburks will be set by the MDDC OMC at the time of b	1 1-
This attribute will be set by the NPAC SMS at the time of b	DIOCK
<u> creation and can be updated only by NPAC SMS personnel.</u>	
<u>1</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;	
BEHAVIOUR numberPoolBlockNPA-NXX-X-Behavior;	
REGISTERED AS {LNP-OIDS.lnp-attribute 130};	
numberPoolBlockNPA-NXX-X-Behavior BEHAVIOUR	
DEFINED AS !	
	NVV V
This attribute is used to specify the number pool block NPA	A-WXX-X
value.	
<u>!;</u>	
1	

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131.0 LNP Number Pool Block Status	
numberPoolBlockStatus ATTRIBUTE	
WITH ATTRIBUTE SYNTAX LNP-ASN1.BlockStatus;	
MATCHES FOR EQUALITY;	
<u>BEHAVIOUR numberPoolBlockStatusBehavior;</u>	
REGISTERED AS {LNP-OIDS.lnp-attribute 131};	
numberPoolBlockStatusBehavior BEHAVIOUR	
DEFINED AS !	
This attribute is used to specify the status of the	
number pool block object. Valid values are	1 1 (0)
active(A), sending(S), failed(F), partial failure(PF) and	<u>old(0).</u>
<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.IND-attribute 152};	
numberPoolBlockWSMSC-DPC-Behavior BEHAVIOUR	
DEFINED AS !	
This attribute is used to specify the WSMSC Destination Po	<u>51nt</u>
<u>Code for the numberPoolBlock.</u>	
The data is stored in BCD (e.g. a value of FFFFFF would be	0
displayed as 255.255.255). The valid octet on the NPAC SM	
<u>255.</u>	<u>5 410 000</u>
<u></u>	
133.0 LNP Number Pool Block WSMSC SSN	
numberPoolBlockWSMSC-SSN ATTRIBUTE	
WITH ATTRIBUTE SYNTAX LNP-ASN1.SSN;	
MATCHES FOR EQUALITY, ORDERING;	
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	
serviceProvNPA-NXX-X-CreationTimeStamp ATTRIBUTE	
WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime;	
MATCHES FOR EQUALITY, ORDERING;	
<pre>BEHAVIOUR serviceProvNPA-NXX-X-CreationTimeStampBehavior;</pre>	
REGISTERED AS {LNP-OIDS.lnp-attribute 134};	
sorui coDrouNDA-NYV-V-CroationTimeStampBohauian DEUAVIOUD	
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.	

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};
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>
126 0 IND Commiss Dussider NDA NYX X Effective Dimestory
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
serviceProvNPA-NXX-X-ID ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.NPA-NXX-X-ID;
MATCHES FOR EQUALITY;
BEHAVIOUR serviceProvNPA-NXX-X-ID-Behavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 137};
serviceProvNPA-NXX-X-ID-Behavior BEHAVIOUR
DEFINED AS !
This attribute provides an identifier for the
serviceProvNPA-NXX-X object.
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.
138.0 LNP Service Provider NPA-NXX-X Modified Timestamp
serviceProvNPA-NXX-X-ModifiedTimeStamp ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.GeneralTime;
MATCHES FOR EQUALITY, ORDERING;
BEHAVIOUR serviceProvNPA-NXX-X-ModifiedTimeStampBehavior;

!;

serviceProvNPA-NXX-X-ModifiedTimeStampBehavior BEHAVIOUR
DEFINED AS !
This attribute provides the date and time the
serviceProvNPA-NXX-X object was last modified on the NPAC SMS.
<u>!;</u>
139.0 LNP Service Provider NPA-NXX-X Value
serviceProvNPA-NXX-X-Value ATTRIBUTE
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};
serviceProvNPA-NXX-X-Value-Behavior BEHAVIOUR
DEFINED AS ! This attribute is used to specify the service provider NPA-NXX-X
value.
<u>!;</u>
140.0 LNP Subscription Version Range Status Attribute Value Change
— Information
subscriptionVersionRangeStatusAttributeValueChangeInfo ATTRIBUTE
WITH ATTRIBUTE SYNTAX
LNP-ASN1.RangeStatusAttributeValueChangeInfo;
MATCHES FOR EQUALITY;
BEHAVIOUR subscriptionVersionRangeStatusAttributeValueChangeInfoBehavior;
<pre>REGISTERED AS {LNP-OIDS.lnp-attribute 140};</pre>
subscriptionVersionRangeStatusAttributeValueChangeInfoBehavior BEHAVIOUR DEFINED AS !
This attribute is used to store the range status attribute value
change information for subscription version range status
attribute value change notifications in a log record.
!;
141.0 LNP Subscription Version Range Attribute Value Change Information
subscriptionVersionRangeAttributeValueChangeInfo ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.RangeAttributeValueChangeInfo;
MATCHES FOR EQUALITY;
BEHAVIOUR subscriptionVersionRangeAttributeValueChangeInfoBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 141};
subscriptionVersionRangeAttributeValueChangeInfoBehavior BEHAVIOUR
DEFINED AS !
This attribute is used to store the range attribute value
change information for subscription version range attribute
value change notifications in a log record.
!;
142.0 LNP Subscription Version Object Creation Information
subscriptionVersionRangeObjectCreationInfo ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.RangeObjectCreationInfo;
MATCHES FOR EQUALITY;
BEHAVIOUR subscriptionVersionRangeObjectCreationInfoBehavior;
<pre>REGISTERED AS {LNP-OIDS.lnp-attribute 142};</pre>

subscriptionVersionRangeObjectCreationInfoBehavior BEHAVIOUR
DEFINED AS !
This attribute is used to store the range object creation
information for subscription version object creation information
in a log record.
<u></u>
143.0 LNP Subscription Version Donor Disconnect Information
subscriptionVersionRangeDonorSP-CustomerDisconnectDateInfo ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.RangeCustomerDisconnectDateInfo;
MATCHES FOR EQUALITY;
BEHAVIOUR subscriptionVersionRangeDonorSP-
<u>CustomerDisconnectDateInfoBehavior</u>
REGISTERED AS {LNP-OIDS.lnp-attribute 143};
<pre>subscriptionVersionRangeDonorSP-CustomerDisconnectDateInfoBehavior BEHAVIOURDEFINED_AS !</pre>
This attribute is used to store the range donor disconnect
information for subscription version donor disconnect information
<u>in a log record.</u>
<u>!;</u>
144.0 LNP Subscription Version Cancellation Acknowledge Information
subscriptionVersionRangeCancellationAcknowledgeInfo ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.RangeCancellationAcknowledgeInfo;
MATCHES FOR EQUALITY;
BEHAVIOUR subscriptionVersionRangeCancellationAcknowledgeInfoBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 144};
subscriptionVersionRangeCancellationAcknowledgeInfoBehavior BEHAVIOUR
DEFINED AS !
This attribute is used to store the range cancellation acknowledge
information for subscription version cancellation acknowledge
information in a log record.
<u>;</u>
145.0 LNP Subscription Version New SP Create Information
subscriptionVersionRangeNewSP-CreateRequestInfo ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.RangeNewSP-CreateRequestInfo;
MATCHES FOR EQUALITY;
BEHAVIOUR subscriptionVersionRangeNewSP-CreateRequestInfoBehavior;
REGISTERED AS {LNP-OIDS.lnp-attribute 145};
subscriptionVersionRangeNewSP-CreateRequestInfoBehavior BEHAVIOUR
DEFINED AS !
This attribute is used to store the range new SP create information
for subscription version new SP create information in a log record.
<u> </u>
146.0 LNP Subscription Version Old SP Concurrence Information
subscriptionVersionRangeOldSP-ConcurrenceRequestInfo ATTRIBUTE
WITH ATTRIBUTE SYNTAX LNP-ASN1.RangeOldSP-ConcurrenceRequestInfo;
MATCHES FOR EQUALITY;

BEHAVIOUR subscriptionVersionRangeOldSP-ConcurrenceRequestInfoBehavior; REGISTERED AS (INP-OIDS.Inp-attribute 146); subscriptionVersionRangeOldSP-ConcurrenceRequestInfoBehavior BEHAVIOUR DEFINED AS ! This attribute is used to store the range old SP concurrence information for subscription version old SP concurrence information in a log record. !: 147.0 INP Subscription Version Old SP Final Concurrence Window Expiration Information subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfo ATTRIBUTE WITH ATTRIBUTE SYNTAX INP- ASNI.RangeOldSPFinalConcurrenceWindowExpirationInfo, MATCHES FOR EQUALITY; BEHAVIOUR subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfoBehavior; REGISTERED AS (INP-OIDS.Inp-attribute 147); subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfoBehavior BEHAVIOUR DEFINED AS ! 148.0 INP Subscription Version New SP Final Create Window Expiration Information subscriptionVersionRangeNewSP-FinalCreateWindowExpirationInfo ATTRIBUTE WITH ATTRIBUTE SYNTAX INP-ASNI.RangeNewSP-FinalCreateWindowExpirationInfo ATTRIBUTE Window expiration information for subscription version old SP final concurrence window expiration information in a log record. .:// 148.0 LNP Subscription Version New SP Final Create Window Expiration Information subscriptionVersionRangeNewSP-FinalCreateWindowExpirationInfo ATTRIBUTE WITH ATTRIBUTE SYNTAX INP-ASNI.RangeNewSP-FinalCreateWindowExpirationInfo; MATCHES FOR EQUALITY; BEHAVIOUR subscriptionVersionRangeNewSP- FinalCreateWindowExpirationInfoBehavior; REGISTERED AS (INP-OIDS.Inp
<pre>REGISTERED AS (LNP-OIDS.lnp-attribute 146); subscriptionVersionRangeOldSP-ConcurrenceRequestInfoBehavior BEHAVIOUR DEFINED AS ! This attribute is used to store the range old SP concurrence information for subscription version old SP concurrence information in a log record. !: 147.0 LNP Subscription Version Old SP Final Concurrence Window Expiration Information subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfo_ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP- ASNI.RangeOldSPFinalConcurrenceWindowExpirationInfo; MATCHES FOR EQUALITY; BEHAVIOUR subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfoBehavior; REGISTERED AS (LNP-OIDS.lnp-attribute 147); subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfoBehavior BEHAVIOUR SubscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfoBehavior BEHAVIOUR DEFINED AS ! This attribute is used to store the range old SP final concurrence window expiration information for subscription version old SP final concurrence window expiration in a log record. !; 148.0 LNP Subscription Version New SP Final Create Window Expiration Information subscriptionVersionRangeNewSP-FinalCreateWindowExpirationInfo ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.RangeNewSP-FinalCreateWindowExpirationInfo; MATCHES FOR EQUALITY; BEHAVIOUR SubscriptionVersionRangeNewSP-FinalCreateWindowExpirationInfo; MATCHES FOR EQUALITY; BEHAVIOURSUBSCRIPTIONVERSIONRANGNEWSP-FinalCreateWindowExpirationInfo; MATCHES FOR EQUALITY; BEHAVIOURSUBSCRIPTIONVERSIONRANGENEWSP- FinalCreateWindowExpirationInfoBehavior;</pre>
<pre>subscriptionVersionRangeOldSP-ConcurrenceRequestInfoBehavior BEHAVIOUR DEFINED AS 1 This attribute is used to store the range old SP concurrence information for subscription version old SP concurrence information in a log record. !: 147.0 LNP Subscription Version Old SP Final Concurrence Window Expiration Information subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfo ATTRIBUTE with ATTRIBUTE SYNTAX LNP- ASN1.RangeOldSPFinalConcurrenceWindowExpirationInfo ATTRIBUTE with ATTRIBUTE SYNTAX LNP- ASN1.RangeOldSPFinalConcurrenceWindowExpirationInfoBehavior; REGISTERED AS (LNP-OIDS.lnp-attribute 147); subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfoBehavior. BEHAVIOUR subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfoBehavior BEFINED AS 1 This attribute is used to store the range old SP final concurrence window expiration information for subscription version old SP final concurrence window expiration information in a log record. !: 148.0 LNP Subscription Version New SP Final Create Window Expiration Information subscriptionVersionRangeNewSP-FinalCreateWindowExpirationInfo ATTRIBUTE wiTH ATTRIBUTE SYNTAX LNP-ASN1.RangeNewSP-FinalCreateWindowExpirationInfo; MATCHES FOR EQUALITY; BEHAVIOUR SubscriptionVersionRangeNewSP-FinalCreateWindowExpirationInfo; MATCHES FOR EQUALITY; BEHAVIOUR SubscriptionVersionRange</pre>
<pre>DEFINED AS ! This attribute is used to store the range old SP concurrence information for subscription version old SP concurrence information in a log record. !: 147.0 LNP Subscription Version Old SP Final Concurrence Window Expiration Information subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfo ATTRIBUTE wITH ATTRIBUTE SYNTAX LNP- ASN1.RangeOldSPFinalConcurrenceWindowExpirationInfo ATTRIBUTE wITH ATTRIBUTE SYNTAX LNP- ASN1.RangeOldSPFinalConcurrenceWindowExpirationInfoBehavior; mATCHES FOR EQUALITY; BEHAVIOUR subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfoBehavior; REGISTERED AS (LNP-OIDS.lnp-attribute 147); subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfoBehavior BEHAVIOUR DEFINED AS ! This attribute is used to store the range old SP final concurrence window expiration information for subscription version old SP final concurrence window expiration in a log record. !: 148.0 LNP Subscription Version New SP Final Create Window Expiration Information subscriptionVersionRangeNewSP-FinalCreateWindowExpirationInfo ATTRIBUTE wITH ATTRIBUTE SYNTAX LNP-ASN1.RangeNewSP-FinalCreateWindowExpirationInfo; MATCHES FOR EQUALITY; BEHAVIOUR subscriptionVersionRangeNewSP- FinalCreateWindowExpirationInfoBehavior;</pre>
<pre>DEFINED AS ! This attribute is used to store the range old SP concurrence information for subscription version old SP concurrence information in a log record. !: 147.0 LNP Subscription Version Old SP Final Concurrence Window Expiration Information subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfo ATTRIBUTE wITH ATTRIBUTE SYNTAX LNP- ASN1.RangeOldSPFinalConcurrenceWindowExpirationInfo ATTRIBUTE wITH ATTRIBUTE SYNTAX LNP- ASN1.RangeOldSPFinalConcurrenceWindowExpirationInfoBehavior; mATCHES FOR EQUALITY; BEHAVIOUR subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfoBehavior; REGISTERED AS (LNP-OIDS.lnp-attribute 147); subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfoBehavior BEHAVIOUR DEFINED AS ! This attribute is used to store the range old SP final concurrence window expiration information for subscription version old SP final concurrence window expiration in a log record. !: 148.0 LNP Subscription Version New SP Final Create Window Expiration Information subscriptionVersionRangeNewSP-FinalCreateWindowExpirationInfo ATTRIBUTE wITH ATTRIBUTE SYNTAX LNP-ASN1.RangeNewSP-FinalCreateWindowExpirationInfo; MATCHES FOR EQUALITY; BEHAVIOUR subscriptionVersionRangeNewSP- FinalCreateWindowExpirationInfoBehavior;</pre>
<pre>DEFINED AS ! This attribute is used to store the range old SP concurrence information for subscription version old SP concurrence information in a log record. !: 147.0 LNP Subscription Version Old SP Final Concurrence Window Expiration Information subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfo ATTRIBUTE wITH ATTRIBUTE SYNTAX LNP- ASN1.RangeOldSPFinalConcurrenceWindowExpirationInfo ATTRIBUTE wITH ATTRIBUTE SYNTAX LNP- ASN1.RangeOldSPFinalConcurrenceWindowExpirationInfoBehavior; mATCHES FOR EQUALITY; BEHAVIOUR subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfoBehavior; REGISTERED AS (LNP-OIDS.lnp-attribute 147); subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfoBehavior BEHAVIOUR DEFINED AS ! This attribute is used to store the range old SP final concurrence window expiration information for subscription version old SP final concurrence window expiration in a log record. !: 148.0 LNP Subscription Version New SP Final Create Window Expiration Information subscriptionVersionRangeNewSP-FinalCreateWindowExpirationInfo ATTRIBUTE wITH ATTRIBUTE SYNTAX LNP-ASN1.RangeNewSP-FinalCreateWindowExpirationInfo; MATCHES FOR EQUALITY; BEHAVIOUR subscriptionVersionRangeNewSP- FinalCreateWindowExpirationInfoBehavior;</pre>
<pre>This attribute is used to store the range old SP concurrence information for subscription version old SP concurrence information in a log record. !: 147.0 LNP Subscription Version Old SP Final Concurrence Window Expiration Information subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfo ATTRIBUTE wITH ATTRIBUTE SYNTAX LNP- ASN1.RangeOldSPFinalConcurrenceWindowExpirationInfo; MATCHES FOR EQUALITY; BEHAVIOUR subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfoBehavior; REGISTERED AS (LNP-OIDS.lnp-attribute 147); subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfoBehavior BEHAVIOUR DEFINED AS ! This attribute is used to store the range old SP final concurrence window expiration information for subscription version old SP final concurrence window expiration information in a log record. !: 148.0 LNP Subscription Version New SP Final Create Window Expiration Information subscriptionVersionRangeNewSP-FinalCreateWindowExpirationInfo ATTRIBUTE wITH ATTRIBUTE SYNTAX LNP-ASN1.RangeNewSP-FinalCreateWindowExpirationInfo; MATCHES FOR EQUALITY; BEHAVIOUR subscriptionVersionRangeNewSP-FinalCreateWindowExpirationInfo; MATCHES FOR EQU</pre>
<pre>information for subscription version old SP concurrence information in a log record. </pre>
<pre>in a log record. </pre>
<pre>in a log record. </pre>
<pre>!: 147.0 LNP Subscription Version Old SP Final Concurrence Window Expiration Information subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfo ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP- ASN1.RangeOldSPFinalConcurrenceWindowExpirationInfo; MATCHES FOR EQUALITY; BEHAVIOUR subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfoBehavior; REGISTERED AS (LNP-OIDS.lnp-attribute 147); subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfoBehavior BEHAVIOUR DEFINED AS 1 This attribute is used to store the range old SP final concurrence window expiration information for subscription version old SP final concurrence window expiration information in a log record. !: 148.0 LNP Subscription Version New SP Final Create Window Expiration Information subscriptionVersionRangeNewSP-FinalCreateWindowExpirationInfo ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.RangeNewSP-FinalCreateWindowExpirationInfo; MATCHES FOR EQUALITY; BEHAVIOUR subscriptionVersionRangeNewSP- FinalCreateWindowExpirationInfoBehavior;</pre>
147.0 LNP Subscription Version Old SP Final Concurrence Window Expiration Information subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfo ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP- ASN1.RangeOldSPFinalConcurrenceWindowExpirationInfo; MATCHES FOR EQUALITY; BEHAVIOUR subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfoBehavior; REGISTERED AS (LNP-OIDS.lnp-attribute 147); subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfoBehavior BEHAVIOUR subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfoBehavior BEHAVIOUR subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfoBehavior BEHAVIOUR subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfoBehavior BEHAVIOUR DEFINED AS ! This attribute is used to store the range old SP final concurrence window expiration information for subscription version old SP final concurrence window expiration information in a log record. :; 148.0 LNP Subscription Version New SP Final Create Window Expiration Information subscriptionVersionRangeNewSP-FinalCreateWindowExpirationInfo ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.RangeNewSP-FinalCreateWindowExpirationInfo; MATCHES FOR EQUALITY; BEHAVIOUR subscriptionNersionRangeNewSP-FinalCreateWindowExpirationInfo;
Information subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfo ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP- ASNI.RangeOldSPFinalConcurrenceWindowExpirationInfo; MATCHES FOR EQUALITY; BEHAVIOUR subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfoBehavior; REGISTERED AS (LNP-OIDS.lnp-attribute 147); subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfoBehavior BEHAVIOUR DEFINED AS ! This attribute is used to store the range old SP final concurrence window expiration information for subscription version old SP final concurrence window expiration information in a log record. !; 148.0 LNP Subscription Version New SP Final Create Window Expiration Information subscriptionVersionRangeNewSP-FinalCreateWindowExpirationInfo ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.RangeNewSP-FinalCreateWindowExpirationInfo; MATCHES FOR EQUALITY; BEHAVIOUR subscriptionVersionRangeNewSP-FinalCreateWindowExpirationInfo;
Information subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfo ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP- ASNI.RangeOldSPFinalConcurrenceWindowExpirationInfo; MATCHES FOR EQUALITY; BEHAVIOUR subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfoBehavior; REGISTERED AS (LNP-OIDS.lnp-attribute 147); subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfoBehavior BEHAVIOUR DEFINED AS ! This attribute is used to store the range old SP final concurrence window expiration information for subscription version old SP final concurrence window expiration information in a log record. !; 148.0 LNP Subscription Version New SP Final Create Window Expiration Information subscriptionVersionRangeNewSP-FinalCreateWindowExpirationInfo ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.RangeNewSP-FinalCreateWindowExpirationInfo; MATCHES FOR EQUALITY; BEHAVIOUR subscriptionVersionRangeNewSP-FinalCreateWindowExpirationInfo;
Information subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfo ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP- ASNI.RangeOldSPFinalConcurrenceWindowExpirationInfo; MATCHES FOR EQUALITY; BEHAVIOUR subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfoBehavior; REGISTERED AS (LNP-OIDS.lnp-attribute 147); subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfoBehavior BEHAVIOUR DEFINED AS 1 This attribute is used to store the range old SP final concurrence window expiration information for subscription version old SP final concurrence window expiration information in a log record. !; 148.0 LNP Subscription Version New SP Final Create Window Expiration Information subscriptionVersionRangeNewSP-FinalCreateWindowExpirationInfo ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.RangeNewSP-FinalCreateWindowExpirationInfo; MATCHES FOR EQUALITY; BEHAVIOUR subscriptionVersionRangeNewSP-FinalCreateWindowExpirationInfo;
<pre>subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfo ATTRIBUTE wITH ATTRIBUTE SYNTAX LNP- ASN1.RangeOldSPFinalConcurrenceWindowExpirationInfo; MATCHES FOR EQUALITY; BEHAVIOUR subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfoBehavior; REGISTERED AS (LNP-OIDS.lnp-attribute 147); subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfoBehavior BEHAVIOUR DEFINED AS ! This attribute is used to store the range old SP final concurrence window expiration information for subscription version old SP final concurrence window expiration information in a log record. !; 148.0 LNP Subscription Version New SP Final Create Window Expiration Information subscriptionVersionRangeNewSP-FinalCreateWindowExpirationInfo ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.RangeNewSP-FinalCreateWindowExpirationInfo; MATCHES FOR EQUALITY; BEHAVIOUR subscriptionVersionRangeNewSP- FinalCreateWindowExpirationInfoBehavior; </pre>
<pre>WITH ATTRIBUTE SYNTAX LNP- ASN1.RangeOldSPFinalConcurrenceWindowExpirationInfo; MATCHES FOR EQUALITY; BEHAVIOUR subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfoBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 147}; subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfoBehavior BEHAVIOUR DEFINED AS ! This attribute is used to store the range old SP final concurrence window expiration information for subscription version old SP final concurrence window expiration information in a log record. !; 148.0 LNP Subscription Version New SP Final Create Window Expiration Information subscriptionVersionRangeNewSP-FinalCreateWindowExpirationInfo ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.RangeNewSP-FinalCreateWindowExpirationInfo; MATCHES FOR EQUALITY; BEHAVIOUR subscriptionVersionRangeNewSP- FinalCreateWindowExpirationInfoBehavior;</pre>
<pre>WITH ATTRIBUTE SYNTAX LNP- ASN1.RangeOldSPFinalConcurrenceWindowExpirationInfo; MATCHES FOR EQUALITY; BEHAVIOUR subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfoBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 147}; subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfoBehavior BEHAVIOUR DEFINED AS ! This attribute is used to store the range old SP final concurrence window expiration information for subscription version old SP final concurrence window expiration information in a log record. !; 148.0 LNP Subscription Version New SP Final Create Window Expiration Information subscriptionVersionRangeNewSP-FinalCreateWindowExpirationInfo ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.RangeNewSP-FinalCreateWindowExpirationInfo; MATCHES FOR EQUALITY; BEHAVIOUR subscriptionVersionRangeNewSP- FinalCreateWindowExpirationInfoBehavior;</pre>
ASN1.RangeOldSPFinalConcurrenceWindowExpirationInfo; MATCHES FOR EQUALITY; BEHAVIOUR subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfoBehavior; REGISTERED AS (LNP-OIDS.lnp-attribute 147); subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfoBehavior BEHAVIOUR DEFINED AS ! This attribute is used to store the range old SP final concurrence window expiration information for subscription version old SP final concurrence window expiration information in a log record. !; 148.0 LNP Subscription Version New SP Final Create Window Expiration Information subscriptionVersionRangeNewSP-FinalCreateWindowExpirationInfo ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.RangeNewSP-FinalCreateWindowExpirationInfo; MATCHES FOR EQUALITY; BEHAVIOUR subscriptionVersionRangeNewSP- FinalCreateWindowExpirationInfoBehavior;
ASN1.RangeOldSPFinalConcurrenceWindowExpirationInfo; MATCHES FOR EQUALITY; BEHAVIOUR subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfoBehavior; REGISTERED AS (LNP-OIDS.lnp-attribute 147); subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfoBehavior BEHAVIOUR DEFINED AS ! This attribute is used to store the range old SP final concurrence window expiration information for subscription version old SP final concurrence window expiration information in a log record. !; 148.0 LNP Subscription Version New SP Final Create Window Expiration Information subscriptionVersionRangeNewSP-FinalCreateWindowExpirationInfo ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.RangeNewSP-FinalCreateWindowExpirationInfo; MATCHES FOR EQUALITY; BEHAVIOUR subscriptionVersionRangeNewSP- FinalCreateWindowExpirationInfoBehavior;
MATCHES FOR EQUALITY; BEHAVIOUR SubscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfoBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 147}; SubscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfoBehavior BEHAVIOUR DEFINED AS ! This attribute is used to store the range old SP final concurrence window expiration information for subscription version old SP final concurrence window expiration information in a log record. !: 148.0 LNP Subscription Version New SP Final Create Window Expiration Information SubscriptionVersionRangeNewSP-FinalCreateWindowExpirationInfo ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.RangeNewSP-FinalCreateWindowExpirationInfo; MATCHES FOR EQUALITY; BEHAVIOUR subscriptionVersionRangeNewSP- FinalCreateWindowExpirationInfoBehavior;
BEHAVIOUR subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfoBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 147}; subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfoBehavior BEHAVIOUR DEFINED AS !
<pre>subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfoBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 147}; subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfoBehavior BEHAVIOUR DEFINED AS ! This attribute is used to store the range old SP final concurrence window expiration information for subscription version old SP final concurrence window expiration information in a log record. !; 148.0 LNP Subscription Version New SP Final Create Window Expiration Information subscriptionVersionRangeNewSP-FinalCreateWindowExpirationInfo ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.RangeNewSP-FinalCreateWindowExpirationInfo; MATCHES FOR EQUALITY; BEHAVIOUR subscriptionVersionRangeNewSP- FinalCreateWindowExpirationInfoBehavior;</pre>
<pre>subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfoBehavior; REGISTERED AS {LNP-OIDS.lnp-attribute 147}; subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfoBehavior BEHAVIOUR DEFINED AS ! This attribute is used to store the range old SP final concurrence window expiration information for subscription version old SP final concurrence window expiration information in a log record. !; 148.0 LNP Subscription Version New SP Final Create Window Expiration Information subscriptionVersionRangeNewSP-FinalCreateWindowExpirationInfo ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.RangeNewSP-FinalCreateWindowExpirationInfo; MATCHES FOR EQUALITY; BEHAVIOUR subscriptionVersionRangeNewSP- FinalCreateWindowExpirationInfoBehavior;</pre>
REGISTERED AS {LNP-OIDS.lnp-attribute 147}; subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfoBehavior BEHAVIOUR DEFINED AS !
<pre>subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfoBehavior BEHAVIOUR DEFINED AS ! This attribute is used to store the range old SP final concurrence window expiration information for subscription version old SP final concurrence window expiration information in a log record. !: 148.0 LNP Subscription Version New SP Final Create Window Expiration Information subscriptionVersionRangeNewSP-FinalCreateWindowExpirationInfo ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.RangeNewSP-FinalCreateWindowExpirationInfo; MATCHES FOR EQUALITY; BEHAVIOUR subscriptionVersionRangeNewSP- FinalCreateWindowExpirationInfoBehavior;</pre>
BEHAVIOUR DEFINED AS ! This attribute is used to store the range old SP final concurrence window expiration information for subscription version old SP final concurrence window expiration information in a log record.
BEHAVIOUR DEFINED AS ! This attribute is used to store the range old SP final concurrence window expiration information for subscription version old SP final concurrence window expiration information in a log record.
BEHAVIOUR DEFINED AS ! This attribute is used to store the range old SP final concurrence window expiration information for subscription version old SP final concurrence window expiration information in a log record.
DEFINED AS ! This attribute is used to store the range old SP final concurrence window expiration information for subscription version old SP final concurrence window expiration information in a log record. <t< td=""></t<>
This attribute is used to store the range old SP final concurrence window expiration information for subscription version old SP final concurrence window expiration information in a log record </td
<pre>window expiration information for subscription version old SP final concurrence window expiration information in a log record. </pre>
<pre>window expiration information for subscription version old SP final concurrence window expiration information in a log record. </pre>
final concurrence window expiration information in a log record.
<pre>!; 148.0 LNP Subscription Version New SP Final Create Window Expiration Information subscriptionVersionRangeNewSP-FinalCreateWindowExpirationInfo ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.RangeNewSP-FinalCreateWindowExpirationInfo; MATCHES FOR EQUALITY; BEHAVIOUR subscriptionVersionRangeNewSP- FinalCreateWindowExpirationInfoBehavior;</pre>
148.0 LNP Subscription Version New SP Final Create Window Expiration Information subscriptionVersionRangeNewSP-FinalCreateWindowExpirationInfo ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.RangeNewSP-FinalCreateWindowExpirationInfo; MATCHES FOR EQUALITY; BEHAVIOUR subscriptionVersionRangeNewSP- FinalCreateWindowExpirationInfoBehavior;
Information subscriptionVersionRangeNewSP-FinalCreateWindowExpirationInfo ATTRIBUTE WITH ATTRIBUTE SYNTAX LNP-ASN1.RangeNewSP-FinalCreateWindowExpirationInfo; MATCHES FOR EQUALITY; BEHAVIOUR subscriptionVersionRangeNewSP- FinalCreateWindowExpirationInfoBehavior;
Information <u>subscriptionVersionRangeNewSP-FinalCreateWindowExpirationInfo ATTRIBUTE</u> <u>WITH ATTRIBUTE SYNTAX LNP-ASN1.RangeNewSP-FinalCreateWindowExpirationInfo;</u> <u>MATCHES FOR EQUALITY;</u> <u>BEHAVIOUR subscriptionVersionRangeNewSP-</u> <u>FinalCreateWindowExpirationInfoBehavior;</u>
Information <u>subscriptionVersionRangeNewSP-FinalCreateWindowExpirationInfo ATTRIBUTE</u> <u>WITH ATTRIBUTE SYNTAX LNP-ASN1.RangeNewSP-FinalCreateWindowExpirationInfo;</u> <u>MATCHES FOR EQUALITY;</u> <u>BEHAVIOUR subscriptionVersionRangeNewSP-</u> <u>FinalCreateWindowExpirationInfoBehavior;</u>
subscriptionVersionRangeNewSP-FinalCreateWindowExpirationInfo MITH ATTRIBUTE SYNTAX LNP-ASN1.RangeNewSP-FinalCreateWindowExpirationInfo; MATCHES FOR EQUALITY; BEHAVIOUR subscriptionVersionRangeNewSP- FinalCreateWindowExpirationInfoBehavior;
WITH ATTRIBUTE SYNTAX LNP-ASN1.RangeNewSP-FinalCreateWindowExpirationInfo; MATCHES FOR EQUALITY; BEHAVIOUR subscriptionVersionRangeNewSP- FinalCreateWindowExpirationInfoBehavior;
WITH ATTRIBUTE SYNTAX LNP-ASN1.RangeNewSP-FinalCreateWindowExpirationInfo; MATCHES FOR EQUALITY; BEHAVIOUR subscriptionVersionRangeNewSP- FinalCreateWindowExpirationInfoBehavior;
WITH ATTRIBUTE SYNTAX LNP-ASN1.RangeNewSP-FinalCreateWindowExpirationInfo; MATCHES FOR EQUALITY; BEHAVIOUR subscriptionVersionRangeNewSP- FinalCreateWindowExpirationInfoBehavior;
MATCHES FOR EQUALITY; BEHAVIOUR subscriptionVersionRangeNewSP- FinalCreateWindowExpirationInfoBehavior;
BEHAVIOUR subscriptionVersionRangeNewSP- FinalCreateWindowExpirationInfoBehavior;
FinalCreateWindowExpirationInfoBehavior;
<u></u>
subscriptionVersionRangeNewSP-FinalCreateWindowExpirationInfoBehavior_
BEHAVIOUR
DEFINED AS !
This attribute is used to store the range new SP final create
window expiration information for subscription version new SP
final create window expiration information in a log record.
<u>!;</u>
Package Definitions
Package Definitions
Package Definitions
Package Definitions
Package Definitions
1.0 LNP Download Package
1.0 LNP Download Package <u>InpDownloadPkg PACKAGE</u>
1.0 LNP Download Package
1.0 LNP Download Package
<pre> 1.0 LNP Download Package lnpDownloadPkg PACKAGE BEHAVIOUR lnpDownloadPkgBehavior; ACTIONS</pre>
<pre> 1.0 LNP Download Package lnpDownloadPkg PACKAGE BEHAVIOUR lnpDownloadPkgBehavior; ACTIONS lnpDownload;</pre>
1.0 LNP Download Package <u>InpDownloadPkg PACKAGE</u> <u>BEHAVIOUR InpDownloadPkgBehavior;</u> <u>ACTIONS</u>
<pre> 1.0 LNP Download Package lnpDownloadPkg PACKAGE BEHAVIOUR lnpDownloadPkgBehavior; ACTIONS lnpDownload;</pre>

<u>lnpDownloadPkgBehavior_BEHAVIOUR</u>
DEFINED AS !
This package provides for conditionally including the
InpDownload action.
l;
2.0 LNP Recovery Complete Package
lnpRecoveryCompletePkg PACKAGE
BEHAVIOUR lnpRecoveryCompletePkgBehavior;
ACTIONS
<pre>lnpRecoveryComplete;</pre>
<pre>REGISTERED AS {LNP-OIDS.lnp-package 2};</pre>
<u>lnpRecoveryCompletePkgBehavior BEHAVIOUR</u>
DEFINED AS !
This package provides for conditionally including the
lnpRecoveryCompletePkg action.
!;
3.0 LNP Service Provider Billing Address Package
serviceProvBillingAddressPkg_PACKAGE
BEHAVIOUR serviceProvBillingAddressPkgBehavior;
ATTRIBUTES
<pre>REGISTERED AS {LNP-OIDS.lnp-package 3};</pre>
serviceProvBillingAddressPkgBehavior BEHAVIOUR
DEFINED AS !
This package provides for conditionally including the
serviceProvBillingAddress attribute.
4.0 LNP Service Provider Conflict Address Package
serviceProvConflictAddressPkg_PACKAGE
BEHAVIOUR serviceProvConflictAddressPkqBehavior;
ATTRIBUTES
serviceProvConflictAddress GET-REPLACE;
REGISTERED AS {LNP-OIDS.lnp-package 4};
serviceProvConflictAddressPkgBehavior BEHAVIOUR
DEFINED AS !
This package provides for conditionally including the
serviceProvConflictAddress attribute.
!;
5. 0 IND Corrector Drawtider LONG Address Destroys
5.0 LNP Service Provider LSMS Address Package
serviceProvLSMS-AddressPkg PACKAGE
<pre>BEHAVIOUR serviceProvLSMS-AddressPkgBehavior;</pre>
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
serviceProvNetAddress GET-REPLACE;
REGISTERED AS {LNP-OIDS.lnp-package 6};
<u>serviceProvNetAddressPkgBehavior BEHAVIOUR</u>
DEFINED AS !
This package provides for conditionally including the
serviceProvNetAddress attribute.
<u> </u>
7.0 LNP Service Provider Operations Address Package
serviceProvOperationsAddressPkg PACKAGE
BEHAVIOUR serviceProvOperationsAddressPkgBehavior;
ATTRIBUTES
serviceProvOperationsAddress GET-REPLACE;
<pre>REGISTERED AS {LNP-OIDS.lnp-package 7};</pre>
<u>serviceProvOperationsAddressPkqBehavior_BEHAVIOUR</u>
DEFINED AS !
This package provides for conditionally including the
<pre>serviceProvOperationsAddress attribute.</pre>
<u>;</u>
8.0 LNP Service Provider Repair Center Info Package
- 0.0 Int betvice flovider hepati center into fackage
<u>serviceProvRepairCenterInfoPkg_PACKAGE</u>
BEHAVIOUR serviceProvRepairCenterInfoPkgBehavior;
ATTRIBUTES
<pre>serviceProvRepairCenterInfo GET-REPLACE;</pre>
REGISTERED AS {LNP-OIDS.lnp-package 8};
serviceProvRepairCenterInfoPkgBehavior BEHAVIOUR
DEFINED AS !
This package provides for conditionally including the
<u>serviceProvRepairCenterInfo attribute.</u>
<u>!;</u>
0.0 IND Corrigo Drouidor COL Address Deckars
9.0 LNP Service Provider SOA Address Package
serviceProvSOA-AddressPkg PACKAGE
BEHAVIOUR serviceProvSOA-AddressPkgBehavior;
ATTRIBUTES
<pre>serviceProvSOA-Address GET-REPLACE;</pre>
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};
serviceProvUserAdminAddressPkqBehavior BEHAVIOUR
DEFINED AS !
This package provides for conditionally including the
serviceProvUserAdminAddress attribute.
<u> </u>
11.0 LNP Service Provider Web Address Package
a a mar Mah Adma a Dha DACKA CE
serviceProvWebAddressPkg PACKAGE
<u>BEHAVIOUR serviceProvWebAddressPkgBehavior;</u> ATTRIBUTES
REGISTERED AS {LNP-OIDS.lnp-package 11};
MEGISTERED AS (ENT OTDS. THP package II),
 serviceProvWebAddressPkgBehavior BEHAVIOUR
DEFINED AS !
This package provides for conditionally including the
serviceProvWebAddress attribute.
;
12.0 LNP Subscription Version Activate Package
subscriptionVersionActivatePkg PACKAGE
BEHAVIOUR subscriptionVersionActivatePkgBehavior;
<u>ACTIONS</u>
<pre>subscriptionVersionActivate;</pre>
<pre>REGISTERED AS {LNP-OIDS.lnp-package 12};</pre>
subscriptionVersionActivatePkgBehavior BEHAVIOUR
DEFINED AS !
This package provides for conditionally including the
<u>subscriptionVersionActivate action.</u>
!;
13.0 LNP Subscription Version Attribute Value Change Failed Service
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>subscriptionVersionCancelPkg PACKAGE BEHAVIOUR subscriptionVersionCancelPkgBehavior; ACTIONS subscriptionVersionCancel; REGISTERED AS {LNP-OIDS.lnp-package 14};</pre>
<u>subscriptionVersionCancelPkqBehavior BEHAVIOUR</u> <u>DEFINED AS !</u> <u>This package provides for conditionally including the</u> <u>subscriptionVersionCancel action.</u> <u>!;</u>
15.0 LNP Subscription Version Disconnect Package
<pre>subscriptionVersionDisconnectPkg_PACKAGE BEHAVIOUR_subscriptionVersionDisconnectPkgBehavior; ACTIONS </pre>
<u>subscriptionVersionDisconnectPkgBehavior BEHAVIOUR</u> <u>DEFINED AS !</u> <u>This package provides for conditionally including the</u> <u>subscriptionVersionDisconnect action.</u> <u>!;</u>
16.0 LNP Subscription Version Local SMS Create Package
<pre>subscriptionVersionLocalSMS-CreatePkg PACKAGE BEHAVIOUR subscriptionVersionLocalSMS-CreatePkgBehavior; ACTIONS subscriptionVersionLocalSMS-Create; REGISTERED AS {LNP-OIDS.lnp-package 16};</pre>
<pre>subscriptionVersionLocalSMS-CreatePkgBehavior BEHAVIOUR DEFINED AS ! This package provides for including the subscriptionVersionLocalSMS-Create action. !;</pre>
17.0 LNP Subscription Version Modify Package
<pre>subscriptionVersionModifyPkg PACKAGE BEHAVIOUR subscriptionVersionModifyPkgBehavior; ACTIONS subscriptionVersionModify; REGISTERED AS {LNP-OIDS.lnp-package 17};</pre>
<u>subscriptionVersionModifyPkgBehavior BEHAVIOUR</u> <u>DEFINED AS !</u> This package provides for conditionally including the subscriptionVersionModify action. !;
18.0 LNP New Service Provider Subscription Version Cancellation Acknowledge Package

-- Acknowledge Package

subscriptionVersionNewSP-CancellationPkg PACKAGE
BEHAVIOUR subscriptionVersionNewSP-CancellationPkgBehavior;
ACTIONS
<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
subscriptionVersionNewSP-CancellationAcknowledge action.
<u> </u>
20.0 IND Subaggintian Margian Demove Erem Conflict
20.0 LNP Subscription Version Remove From Conflict
Pending Package
subscriptionVersionRemoveFromConflictPkg_PACKAGE
BEHAVIOUR subscriptionVersionRemoveFromConflictPkgBehavior;
ACTIONS
subscriptionVersionRemoveFromConflict;
<u>MEGISTERED AS (ENT OTDS. THP package 20),</u>
subscriptionVersionRemoveFromConflictPkgBehavior BEHAVIOUR
DEFINED AS !
This package provides for conditionally including the
subscriptionVersionRemoveFromConflict action.
21.0 LNP New Service Provider Subscription Version Create Package
subscriptionVersionNewSP-CreatePkg_PACKAGE
<pre>subscriptionVersionNewSP-CreatePkg_PACKAGEBEHAVIOUR_subscriptionVersionNewSP-CreatePkgBehavior;</pre>
BEHAVIOUR subscriptionVersionNewSP-CreatePkgBehavior;
BEHAVIOUR subscriptionVersionNewSP-CreatePkgBehavior; ACTIONS
BEHAVIOUR subscriptionVersionNewSP-CreatePkqBehavior;ACTIONSsubscriptionVersionNewSP-Create;
BEHAVIOUR subscriptionVersionNewSP-CreatePkqBehavior;ACTIONSsubscriptionVersionNewSP-Create;
BEHAVIOUR subscriptionVersionNewSP-CreatePkgBehavior; <u>ACTIONS</u> <u>subscriptionVersionNewSP-Create;</u> <u>REGISTERED AS {LNP-OIDS.lnp-package 21};</u>
BEHAVIOUR subscriptionVersionNewSP-CreatePkgBehavior; ACTIONS subscriptionVersionNewSP-Create; REGISTERED AS {LNP-OIDS.lnp-package 21}; subscriptionVersionNewSP-CreatePkgBehavior BEHAVIOUR
BEHAVIOUR subscriptionVersionNewSP-CreatePkqBehavior; ACTIONS subscriptionVersionNewSP-Create; REGISTERED AS {LNP-OIDS.lnp-package 21}; subscriptionVersionNewSP-CreatePkgBehavior BEHAVIOUR DEFINED AS !
BEHAVIOUR subscriptionVersionNewSP-CreatePkqBehavior; ACTIONS subscriptionVersionNewSP-Create; REGISTERED AS {LNP-OIDS.lnp-package 21};
BEHAVIOUR subscriptionVersionNewSP-CreatePkgBehavior; ACTIONS subscriptionVersionNewSP-Create; REGISTERED AS {LNP-OIDS.lnp-package 21};
BEHAVIOUR subscriptionVersionNewSP-CreatePkgBehavior; ACTIONS subscriptionVersionNewSP-Create; REGISTERED AS {LNP-OIDS.lnp-package 21};
BEHAVIOUR subscriptionVersionNewSP-CreatePkgBehavior; ACTIONS subscriptionVersionNewSP-Create; REGISTERED AS {LNP-OIDS.lnp-package 21};
BEHAVIOUR subscriptionVersionNewSP-CreatePkqBehavior; ACTIONS subscriptionVersionNewSP-Create; REGISTERED AS {LNP-OIDS.lnp-package 21};
BEHAVIOUR subscriptionVersionNewSP-CreatePkgBehavior; ACTIONS subscriptionVersionNewSP-Create; REGISTERED AS {LNP-OIDS.lnp-package 21};
BEHAVIOUR subscriptionVersionNewSP-CreatePkgBehavior; ACTIONS subscriptionVersionNewSP-Create; REGISTERED AS {LNP-OIDS.lnp-package 21};
BEHAVIOUR subscriptionVersionNewSP-CreatePkgBehavior; ACTIONS subscriptionVersionNewSP-Create; REGISTERED AS {LNP-OIDS.lnp-package 21};
BEHAVIOUR subscriptionVersionNewSP-CreatePkgBehavior; ACTIONS subscriptionVersionNewSP-Create; REGISTERED AS {LNP-OIDS.lnp-package 21};
BEHAVIOUR subscriptionVersionNewSP-CreatePkgBehavior; ACTIONS subscriptionVersionNewSP-Create; REGISTERED AS {LNP-OIDS.lnp-package 21};
BEHAVIOUR subscriptionVersionNewSP-CreatePkgBehavior; ACTIONS subscriptionVersionNewSP-Create; REGISTERED AS {LNP-OIDS.lnp-package 21}; subscriptionVersionNewSP-CreatePkgBehavior BEHAVIOUR DEFINED AS ! This package provides for conditionally including the subscriptionVersionNewSP-Create action. !: 22.0 LNP Old Service Provider Subscription Version Cancellation Acknowledge Package subscriptionVersionOldSP-CancellationPkg PACKAGE BEHAVIOUR subscriptionVersionOldSP-CancellationPkgBehavior; ACTIONS subscriptionVersionOldSP-CancellationAcknowledge; REGISTERED AS {LNP-OIDS.lnp-package 22};
BEHAVIOUR subscriptionVersionNewSP-CreatePkqBehavior; ACTIONS subscriptionVersionNewSP-Create; REGISTERED AS {LNP-OIDS.lnp-package 21};
BEHAVIOUR subscriptionVersionNewSP-CreatePkgBehavior; ACTIONS subscriptionVersionNewSP-Create; REGISTERED AS (LNP-OIDS.lnp-package 21); subscriptionVersionNewSP-CreatePkgBehavior BEHAVIOUR DEFINED AS ! This package provides for conditionally including the subscriptionVersionNewSP-Create action. !; 22.0 LNP Old Service Provider Subscription Version Cancellation Acknowledge Package subscriptionVersionOldSP-CancellationPkg PACKAGE BEHAVIOUR subscriptionVersionOldSP-CancellationAcknowledge; REGISTERED AS (LNP-OIDS.lnp-package 22); subscriptionVersionOldSP-CancellationPkgBehavior BEHAVIOUR DEFINED AS !
BEHAVIOUR subscriptionVersionNewSP-CreatePkqBehavior; ACTIONS subscriptionVersionNewSP-Create; REGISTERED AS {LNP-OIDS.lnp-package 21}; subscriptionVersionNewSP-CreatePkqBehavior BEHAVIOUR DEFINED AS ! This package provides for conditionally including the subscriptionVersionNewSP-Create action. !; 22.0 LNP Old Service Provider Subscription Version Cancellation Acknowledge Package subscriptionVersionOldSP-CancellationPkg PACKAGE BEHAVIOUR subscriptionVersionOldSP-CancellationAcknowledge; REGISTERED AS {LNP-OIDS.lnp-package 22}; subscriptionVersionOldSP-CancellationPkgBehavior BEHAVIOUR subscriptionVersionOldSP-CancellationAcknowledge; REGISTERED AS {LNP-OIDS.lnp-package 22}; subscriptionVersionOldSP-CancellationPkgBehavior BEHAVIOUR DEFINED AS ! This package provides for conditionally including the
BEHAVIOUR subscriptionVersionNewSP-CreatePkgBehavior; ACTIONS subscriptionVersionNewSP-Create; REGISTERED AS {LNP-OIDS.lnp-package 21}; subscriptionVersionNewSP-CreatePkgBehavior BEHAVIOUR DEFINED AS ! This package provides for conditionally including the subscriptionVersionNewSP-Create action. !: 22.0 LNP Old Service Provider Subscription Version Cancellation Acknowledge Package subscriptionVersionOldSP-CancellationPkg PACKAGE BEHAVIOUR subscriptionVersionOldSP-CancellationAcknowledge; REGISTERED AS {LNP-OIDS.lnp-package 22}; subscriptionVersionOldSP-CancellationPkgBehavior BEHAVIOUR DEFINED AS ! This package provides for conditionally including the subscriptionVersionOldSP-CancellationPkgBehavior BEHAVIOUR DEFINED AS !
BEHAVIOUR subscriptionVersionNewSP-CreatePkqBehavior; ACTIONS subscriptionVersionNewSP-Create; REGISTERED AS {LNP-OIDS.lnp-package 21}; subscriptionVersionNewSP-CreatePkqBehavior BEHAVIOUR DEFINED AS ! This package provides for conditionally including the subscriptionVersionNewSP-Create action. !; 22.0 LNP Old Service Provider Subscription Version Cancellation Acknowledge Package subscriptionVersionOldSP-CancellationPkg PACKAGE BEHAVIOUR subscriptionVersionOldSP-CancellationAcknowledge; REGISTERED AS {LNP-OIDS.lnp-package 22}; subscriptionVersionOldSP-CancellationPkgBehavior BEHAVIOUR subscriptionVersionOldSP-CancellationAcknowledge; REGISTERED AS {LNP-OIDS.lnp-package 22}; subscriptionVersionOldSP-CancellationPkgBehavior BEHAVIOUR DEFINED AS ! This package provides for conditionally including the
BEHAVIOUR subscriptionVersionNewSP-CreatePkgBehavior; ACTIONS subscriptionVersionNewSP-Create; REGISTERED AS {LNP-OIDS.lnp-package 21}; subscriptionVersionNewSP-CreatePkgBehavior BEHAVIOUR DEFINED AS ! This package provides for conditionally including the subscriptionVersionNewSP-Create action. !: 22.0 LNP Old Service Provider Subscription Version Cancellation Acknowledge Package subscriptionVersionOldSP-CancellationPkg PACKAGE BEHAVIOUR subscriptionVersionOldSP-CancellationAcknowledge; REGISTERED AS {LNP-OIDS.lnp-package 22}; subscriptionVersionOldSP-CancellationPkgBehavior BEHAVIOUR DEFINED AS ! This package provides for conditionally including the subscriptionVersionOldSP-CancellationPkgBehavior BEHAVIOUR DEFINED AS !

subscriptionVersionOldSP-CreatePkg PACKAGE
BEHAVIOUR subscriptionVersionOldSP-CreatePkgBehavior;
ACTIONS
subscriptionVersionOldSP-Create;
REGISTERED AS {LNP-OIDS.lnp-package 24};
subscriptionVersionOldSP-CreatePkgBehavior BEHAVIOUR
DEFINED AS !
This package provides for conditionally including the
subscriptionVersionOldSP-Create action.
<u>!;</u>
25.0 LNP Subscription Status Change Cause Code Package
subscriptionStatusChangeCauseCodePkg PACKAGE
BEHAVIOUR subscriptionStatusChangeCauseCodePkgBehavior;
ATTRIBUTES
subscriptionStatusChangeCauseCode GET;
REGISTERED AS {LNP-OIDS.lnp-package 25};
subscriptionStatusChangeCauseCodePkgBehavior BEHAVIOUR
DEFINED AS !
This package provides for conditionally including the
<u>subscriptionStatusChangeCauseCode attribute.</u>
<u> </u>
26.0 LNP Service Provider Security Address Package
serviceProvSecurityAddressPkg PACKAGE
BEHAVIOUR serviceProvSecurityAddressPkgBehavior;
ATTRIBUTES
REGISTERED AS {LNP-OIDS.lnp-package 26};
serviceProvSecurityAddressPkgBehavior BEHAVIOUR
DEFINED AS !
This package provides for conditionally including the
serviceProvSecurityAddress attribute.
<u> </u>
27.0 LNP Notification Recovery Package
<u>lnpNotificationRecoveryPkg_PACKAGE</u>
BEHAVIOUR lnpNotificationRecoveryPkgBehavior;
ACTIONS
lnpNotificationRecovery;
REGISTERED AS {LNP-OIDS.lnp-package 27};
<u>lnpNotificationRecoveryPkqBehavior BEHAVIOUR</u>
DEFINED AS !
This package provides for conditionally including the
lnpNotificationRecovery action.
<u> </u>
28.0 LNP Subscription Audit TN Activation Range Package
subscriptionAuditTN-ActivationRangePkg PACKAGE
BEHAVIOUR subscriptionAuditTN-ActivationRangePkgBehavior;
ATTRIBUTES

subscriptionAuditTN-ActivationRange GET;
REGISTERED AS {LNP-OIDS.lnp-package 28};
REGISTERED AS {LNP=OIDS.IIIp=package 20},
subscriptionAuditTN-ActivationRangePkgBehavior BEHAVIOUR
DEFINED AS !
This package provides for conditionally including the
subscriptionAuditTN-ActivationRange attribute.
<u>!</u> ;
20.0 IND Subscription Times Declars
29.0 LNP Subscription Timer Type Package
subscriptionTimerTypePkg PACKAGE
<u>BEHAVIOUR</u> subscriptionTimerTypePkgBehavior;
ATTRIBUTES
subscriptionTimerType GET;
<pre>REGISTERED AS {LNP-OIDS.lnp-package 29};</pre>
subscriptionTimerTypePkgBehavior BEHAVIOUR
DEFINED AS !
<u>This package provides for conditionally including the</u>
subscriptionTimerType attribute.
<u>;</u>
30.0 LNP Subscription Business Type Package
subscriptionBusinessTypePkg PACKAGE
BEHAVIOUR_subscriptionBusinessTypePkgBehavior;
ATTRIBUTES
subscriptionBusinessType GET;
<pre>REGISTERED AS {LNP-OIDS.lnp-package 30};</pre>
subscriptionBusinessTypePkgBehavior BEHAVIOUR
DEFINED AS !
This package provides for conditionally including the
subscriptionBusinessType attribute.
!;
31.0 LNP Subscription WSMSC Data Package
subscriptionWSMSC-DataPkg PACKAGE
<u>BEHAVIOUR</u> subscriptionWSMSC-DataPkgBehavior;
ATTRIBUTES
subscriptionWSMSC-DPC 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.
<u>!;</u>
22. O LND Number Deal Disch Guster Deals
32.0 LNP Number Pool Block Create Package
numberPoolBlock-CreatePkg PACKAGE
<u>BEHAVIOUR numberPoolBlock-CreatePkgBehavior;</u>
ACTIONS

numberPoolBlock-Create;
<pre>REGISTERED AS {LNP-OIDS.lnp-package 32};</pre>
numberPoolBlock-CreatePkgBehavior BEHAVIOUR
DEFINED AS !
This package provides for conditionally including the
numberPoolBlock-Create action.
!;
33.0 LNP Number Pool Block Attribute Value Change Failed Service
Providers List
numberPoolBlockAttributeValueChangeFailed-SP-ListPkg PACKAGE
BEHAVIOUR numberDeelBleekAttributeVelueChengeEsiled_SD_ListDkgBebewier
numberPoolBlockAttributeValueChangeFailed-SP-ListPkgBehavior; ATTRIBUTES
numberPoolBlockFailed-SP-List GET;
REGISTERED AS {LNP-OIDS.lnp-package 33};
<u>REGISTERED_AS_{ENP-OIDS.INp-package_55},</u>
numberPoolBlockAttributeValueChangeFailed-SP-ListPkgBehavior BEHAVIOUR
DEFINED AS !
This package provides for conditionally including the
numberPoolBlockAttributeValueChangeFailed-SP-List
attribute on the
InpLogNumberPoolBlockStatusAttributeValueChangeRecord object.
34.0 LNP Number Pool Block WSMSC Data Package
numberPoolBlockWSMSC-DataPkg PACKAGE
BEHAVIOUR numberPoolBlockWSMSC-DataPkgBehavior;
ATTRIBUTES
numberPoolBlockWSMSC-DPC GET-REPLACE,
numberPoolBlockWSMSC-SSN GET-REPLACE;
<pre>REGISTERED AS {LNP-OIDS.lnp-package 34};</pre>
numberPoolBlockWSMSC-DataPkgBehavior BEHAVIOUR
DEFINED AS !
This package provides for conditionally including the
WSMSC DPC and SSN attributes.
<u>!;</u>
35.0 LNP Subscription Version Range Attribute Value Change Package
subscriptionVersionRangeAttributeValueChangePkg_PACKAGE
BEHAVIOUR subscriptionVersionRangeAttributeValueChangePkgBehavior;
NOTIFICATIONS
<pre>subscriptionVersionRangeAttributeValueChange;</pre>
<pre>REGISTERED AS {LNP-OIDS.lnp-package 35};</pre>
subscriptionVersionRangeAttributeValueChangePkgBehavior BEHAVIOUR
DEFINED AS !
This package provides for conditionally including the
subscriptionVersionRangeAttributeValueChange notification.
!;
26. 0 IND Subcompation Monoion Danse Object Constien Dechast
36.0 LNP Subscription Version Range Object Creation Package
subscriptionVersionRangeObjectCreationPkg_PACKAGE
SubscriptionversionRangeobjectcreationrkg_rACRAGE

GDMO Definitions
BEHAVIOUR subscriptionVersionRangeObjectCreationPkgBehavior;
NOTIFICATIONS
subscriptionVersionRangeObjectCreation;
REGISTERED AS {LNP-OIDS.lnp-package 36};
subscriptionVersionRangeObjectCreationPkqBehavior BEHAVIOUR
DEFINED AS !
This package provides for conditionally including the
subscriptionVersionRangeObjectCreation notification.
!;
37.0 LNP Subscription Version Range Status Attribute Value Change Package
subscriptionVersionRangeStatusAttributeValueChangePkg PACKAGE
BEHAVIOUR_subscriptionVersionRangeStatusAttributeValueChangePkgBehavior;
NOTIFICATIONS
subscriptionVersionRangeStatusAttributeValueChange;
REGISTERED AS {LNP-OIDS.lnp-package 37};
subscriptionVersionRangeStatusAttributeValueChangePkgBehavior BEHAVIOUR
DEFINED AS !
This package provides for conditionally including the
subscriptionVersionRangeStatusAttributeValueChange notification.
!;
38.0 LNP Subscription Version Range Donor Disconnect Package
subscriptionVersionRangeDonorSP-CustomerDisconnectDatePkg_PACKAGE
BEHAVIOUR_subscriptionVersionRangeDonorSP-
CustomerDisconnectDatePkgBehavior;
NOTIFICATIONS
subscriptionVersionRangeDonorSP-CustomerDisconnectDate;
REGISTERED AS {LNP-OIDS.lnp-package 38};
subscriptionVersionRangeDonorSP-CustomerDisconnectDatePkgBehavior BEHAVIOUR
DEFINED AS !
This package provides for conditionally including the
subscriptionVersionRangeDonorSP-CustomerDisconnectDate notification.
39.0 LNP Subscription Version Range Cancellation Acknowledge Package
subscriptionVersionRangeCancellationAcknowledgePkg PACKAGE
BEHAVIOUR subscriptionVersionRangeCancellationAcknowledgePkgBehavior;
NOTIFICATIONS
<pre>subscriptionVersionRangeCancellationAcknowledgeRequest;</pre>
<pre>REGISTERED AS {LNP-OIDS.lnp-package 39};</pre>
subscriptionVersionRangeCancellationAcknowledgePkgBehavior BEHAVIOUR
DEFINED AS !
This package provides for conditionally including the
subscriptionVersionRangeCancellationAcknowledge notification.
;
40.0 LNP Subscription Version Range New SP Create Package
subscriptionVersionRangeNewSP-CreateRequestPkg_PACKAGE
BEHAVIOUR subscriptionVersionRangeNewSP-CreateRequestPkgBehavior;
<u>NOTIFICATIONS</u>

	ODMO Deminions
subscriptionVersionRangeNewSP-CreateRequest;	
REGISTERED AS {LNP-OIDS.lnp-package 40};	
subscriptionVersionRangeNewSP-CreateRequestPkgBehavior BEHAVIOUR	
DEFINED AS !	
This package provides for conditionally including the	
subscriptionVersionRangeNewSP-CreateRequest notification.	
;	
·/	
41.0 LNP Subscription Version Range Old SP Concurrence Package	
subscriptionVersionRangeOldSP-ConcurrenceRequestPkg PACKAGE	
BEHAVIOUR subscriptionVersionRangeOldSP-ConcurrenceRequestPkg	Rehavior.
NOTIFICATIONS	
<pre>subscriptionVersionRangeOldSP-ConcurrenceRequest;</pre>	
<pre>REGISTERED AS {LNP-OIDS.lnp-package 41};</pre>	
subscriptionVersionRangeOldSP-ConcurrenceRequestPkgBehavior BEHAV	TOTIR
	<u>1001(</u>
DEFINED AS !	
This package provides for conditionally including the	
subscriptionVersionRangeOldSP-ConcurrenceRequest notification	tion.
<u>!;</u>	
· <i>L</i>	
42.0 LNP Subscription Version Range Old SP Final Concurrence W	<u>indow</u>
Expiration Package	
subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationPkg	PACKAGE
	<u>- ACIAGE</u>
BEHAVIOUR	
subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationPkgBe	<u>ehavior;</u>
<u>NOTIFICATIONS</u>	
subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirat	tion;
REGISTERED AS {LNP-OIDS.lnp-package 42};	
subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationPkgBe	<u>ehavior</u>
BEHAVIOUR	
DEFINED AS !	
This package provides for conditionally including the	
subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirat	<u>cion</u>
notificati	
on.	
· · · · · · · · · · · · · · · · · · ·	
·/	
43.0 LNP Subscription Version Range New SP Final Create Window	
Expiration Package	
subscriptionVersionRangeNewSP-FinalCreateWindowExpirationPkg PACKA	AGE
BEHAVIOUR subscriptionVersionRangeNewSP-	
<u>FinalCreateWindowExpirationPkgBehavior;</u>	
NOTIFICATIONS	
subscriptionVersionRangeNewSP-FinalCreateWindowExpiration	;
REGISTERED AS {LNP-OIDS.lnp-package 43};	-
subscriptionVersionRangeNewSP-FinalCreateWindowExpirationPkgBehav	lor BEHAVIOUR
DEFINED AS !	
This package provides for conditionally including the	
subscriptionVersionRangeNewSP-FinalCreateWindowExpiration	
	-
notification.	
<u>;</u>	

GDMO Definit
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
lnpSpecificInfoParameter PARAMETER
CONTEXT SPECIFIC-ERROR;
ATTRIBUTE lnpSpecificInfo;
WITH SYNTAX LNP-ASN1.LnpSpecificInfo;
REGISTERED AS {LNP-OIDS.lnp-parameter 2};
<u>REGISTERED AS {ENF-OIDS.INP-parameter 2}</u>
Action Definitions
1.0 LNP Download Action
1.0 LNF DOWNTOad Action
InpDownload ACTION
BEHAVIOUR
lnpDownloadBehavior;
MODE CONFIRMED;
WITH INFORMATION SYNTAX LNP-ASN1.DownloadAction;
WITH REPLY SYNTAX LNP-ASN1.DownloadReply;
REGISTERED AS {LNP=OIDS.INP=action 1};
InpDownloadDefinition BEHAVIOUR
DEFINED AS !
The lnpDownload 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> </u>
<pre>lnpDownloadBehavior BEHAVIOUR</pre>
DEFINED AS !
Preconditions: This action is issued from an lnpSubscriptions
or an InpNetwork object and all objects to be downloaded
are specified in the action request.
are specified in the action 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, and
must be specified in Coordinated Universal Time (UTC).
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.

<u>Criteria for a subscription download is a time range or a TN or</u>
TN range. For TN ranges the stop TN in the range must be greater
than the start TN in the range. If the NPAC Customer LSMS EDR
Indicator is set in the service provider's profile
on the NPAC SMS, no subscription versions with LNP type equal to
'pool' will be returned. NPA-NXX filters are also applied.

Criteria for a number pool block download is time range, NPA-NXX-X range or NPA-NXX-X.

Criteria for a network data download is a time range, service provider id 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. Specifying "all-network-data" includes the serviceProvNPA-NXX-X object if the Local SMS supports the object according to their service provider profile NPAC Customer LSMS NPA-NXX-X Indicator. The SOA supports the object according to their service profile NPAC Customer SOA NPA-NXX-X Indicator.

For all download requests, the Local SMS or SOA should behave as follows in response to the possible download M-ACTION response from the NPAC SMS:

Success - process the data received from the NPAC SMS, continue processing.

No-data-selected -- no data was found, continue processing.

Criteria-too-large (using the Maximum Number of Download Records tunable) - break up the request into a smaller time range and re-issue the request to the NPAC SMS (only applies to the subscription version requests).

Criteria-too-large (using the Maximum Number of Download

OR

<u>time</u>

ranges 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.

Notifications tunable) - break up the request into a smaller

Failed - go into retry mode. Re-issue the request a configurablenumber of additional retry attempts with an "x" amount of delaybetween requests ("x" is a configurable amount of time afterreceiving the failure for each request). If a failed responseis received for the final retry request, abort the associationand re-start the recovery process. Note: It is recommended thatthe Local SMS or SOA use the same value that the NPAC SMS usesfor the retry interval. It is also recommended that the LocalSMSuse a value of at least two (2) for configurable number ofadditional retry attempts.

For activities that specify "continue processing", the Local SMS or SOA should send the NPAC SMS, either the next lnpDownload action for

GDMO Definitions
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 riow.
SOAs can use the lnpDownload action to recover network data. The
InpNotificationRecovery action is used to recover notification data.
Local SMSs can use the lnpDownload action to recover network data
and subscription version data. The lnpNotificationRecovery action
is used to recover notification data.
is used to recover notification data.
The SOA or LSMS is capable of recovering data based on the association
functions. The SOA recovers network data using the data download
association function (dataDownload). The SOA recovers 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).
;
2.0 LNP Recovery Complete Action
<pre>lnpRecoveryComplete ACTION</pre>
BEHAVIOUR
<u>lnpRecoveryCompleteDefinition</u>
<pre>lnpRecoveryCompleteBehavior;</pre>
MODE CONFIRMED;
WITH INFORMATION SYNTAX LNP-ASN1.RecoveryCompleteAction;
WITH REPLY SYNTAX LNP-ASN1.RecoveryCompleteReply;
REGISTERED AS {LNP-OIDS.lnp-action 2};
<u>lnpRecoveryCompleteDefinition BEHAVIOUR</u>
DEFINED AS !
The lnpRecoveryComplete 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
sent from the NPAC SMS.
<u> </u>
<pre>lnpRecoveryCompleteBehavior BEHAVIOUR</pre>
DEFINED AS !
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.
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
<u>subscription and number pool block data as well as any notifications</u>
since the association was established. The
NPAC SMS will queue up all new events while the Local SMS is in
recovery mode and send them to the Local SMS at the next
scheduled retry interval after responding with the lnpRecoveryComplete
action reply.
If a recovery complete request fails in the NPAC SMS the failure
reason

will be returned in the reply.
The NPAC SMS will queue up all new events while the Local SMS is in
recovery mode, and send them to the Local SMS after responding with
the
<pre>lnpRecoveryComplete action reply.</pre>
!;
3.0 LNP Subscription Version Activate Action
subscriptionVersionActivate ACTION
BEHAVIOUR
subscriptionVersionActivateDefinition,
subscriptionVersionActivateBehavior;
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 can be
used by the SOA of the new service provider to activate a
<u>subscription version id, tn or a range of tns via the SOA to</u>
NPAC SMS interface.
!;
subscriptionVersionActivateBehavior BEHAVIOUR
DEFINED AS !
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).
(where the stop in in the lange is greater than the start in).
Subscription versions with subscriptionLNPType equal to 'pool'
cannot be specified in the action.
Destauditions, mbs. second as according to a string to detail the sub-sub-string to a
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.
1;
4.0 LNP Subscription Version Cancel Action
subscriptionVersionCancel ACTION
BEHAVIOUR
subscriptionVersionCancelDefinition,
<u>subscriptionVersionCancelBehavior;</u>
MODE CONFIRMED;
WITH INFORMATION SYNTAX LNP-ASN1.CancelAction;
WITH REPLY SYNTAX LNP-ASN1.CancelReply;
<pre>REGISTERED AS {LNP-OIDS.lnp-action 4};</pre>
aubacriptionVersionConcelDefinition REHAVIOUR

subscriptionVersionCancelDefinition BEHAVIOUR

DEFINED AS !
The subscriptionVersionCancel action is the action that can be
<u>used by the SOA to cancel a subscription version via the SOA to</u>
NPAC SMS interface.
<u>!;</u>
subscriptionVersionCancelBehavior BEHAVIOUR
<u> </u>
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: If the status was pending or conflict,
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. If the
status was disconnect-pending, the service provider has
set the version status back to active. An
error will be returned if there is no version that can be canceled
or the service provider is not authorized.
<u>;</u>
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 !
The subscriptionVersionDisconnect action is the action that is
used by the SOA to disconnect a subscription version via the SOA to
NPAC SMS interface.
<u>!;</u>
subscriptionVersionDisconnectBehavior BEHAVIOUR
<u> </u>
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.
Subscription versions with subscriptionLNPType equal to 'pool'
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
subscription version will fail.

If the version is active, no outstanding versions exist,
and the time stamp for disconnect has not been reached, the
<u>subscription version will be modified with a version status of</u>
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
<u>subscription version will be updated with a version status of</u> sending.
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.
Before the broadcast of deletes begins, the
<u>subscriptionVersionDonorSP-CustomerDisconnectDate notification</u>
is sent to the donor SOA informing the service provider of the
actual customer disconnect date.
If the delete requests are successful for all Local SMSs, the
current active version will have its version status marked as old
and the subscriptionDisconnectCompleteTimeStamp is set to the
<u>current system date and time.</u>
If a delete request fails for the disconnect subscription
version after the retry periods have expired, the version
old if one or more, but not all, Local SMSs fail.
;
6.0 LNP Subscription Version Local SMS Create Action
aubecnisticsWessienteeslewe Greate ACTION
subscriptionVersionLocalSMS-Create ACTION
BEHAVIOUR subscriptionVersionLocalSMS-CreateDefinition,
subscriptionVersionLocalSMS-CreateBehavior;
MODE CONFIRMED;
WITH INFORMATION SYNTAX LNP-ASN1.LocalSMS-CreateAction;
WITH INFORMATION SINIAX LNF-ASNI. 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 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.

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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.
Iallule of the cleation attempts.
For Release 1.4 Number Pooling Support:
FOR Refease 1.4 Number Pooring 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.
<u>!;</u>
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};
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
NPAC SMS interface.
<u>!;</u>
subscriptionVersionModifyBehavior BEHAVIOUR
<u>DEFINED AS !</u>
<u>Preconditions: This action is issued from an lnpSubscriptions</u>
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 fails
due to authorization of the service provider or data validation.
Subscription versions with subscriptionLNPType equal to 'pool'
cannot be specified in the action.
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:

	subscriptionOldSP-DueDate
	subscriptionOldSP-Authorization
	subscriptionStatusChangeCauseCode
	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:
	subscriptionLRN
	subscriptionNewSP-DueDate
	subscriptionCLASS-DPC
	subscriptionCLASS-SSN
	subscriptionLIDB-DPC
	subscriptionLIDB-SSN
	subscriptionCNAM-DPC
	subscriptionCNAM-SSN
	subscriptionISVM-DPC
	subscriptionISVM-SSN
	subscriptionEndUserLocationValue
	<u>subscriptionEndUserLocationType</u> subscriptionBillingId
	subscriptionbriringra
	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
	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
<u> </u>	subscriptionISVM-SSN
<u> </u>	subscriptionEndUserLocationValue
	subscriptionEndUserLocationType
	subscriptionBillingId
<u> </u>	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
Subscriptionwohlde 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.
!;
8.0 LNP New Service Provider Cancellation Acknowledge Request
automication Neuron Concellation Debraulates ACTION
subscriptionVersionNewSP-CancellationAcknowledge ACTION
BEHAVIOUR
subscriptionVersionNewSP-CancellationAcknowledgeDefinition,
subscriptionVersionNewSP-CancellationAcknowledgeBehavior;
MODE CONFIRMED;
WITH INFORMATION SYNTAX LNP-ASN1.CancellationAcknowledgeAction;
WITH REPLY SYNTAX LNP-ASN1.CancellationAcknowledgeReply;
<pre>REGISTERED AS {LNP-OIDS.lnp-action 8};</pre>
subscriptionVersionNewSP-CancellationAcknowledgeDefinition_BEHAVIOUR
DEFINED 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.
<u>;</u>
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 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 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
<u>updated to the current time if the action is successful and the</u>
version status is changed to cancel.
<u>!;</u>
10.0 LNP Subscription Version Remove From Conflict
subscriptionVersionRemoveFromConflict ACTION
BEHAVIOUR
subscriptionVersionRemoveFromConflictDefinition,
subscriptionVersionRemoveFromConflictBehavior;

GDirio De
MODE CONFIRMED;
WITH INFORMATION SYNTAX LNP-ASN1.RemoveFromConflictAction;
WITH REPLY SYNTAX LNP-ASN1.RemoveFromConflictReply;
REGISTERED AS {LNP-OIDS.lnp-action 10};
<u>REGISTERED AS (ENT OTDS. INP accion 10),</u>
ubscriptionVersionRemoveFromConflictDefinition 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 th
subscription version status from conflict to pending.
<u>!;</u>
<u>ubscriptionVersionRemoveFromConflictBehavior BEHAVIOUR</u>
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).
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.
periorm che accion.
If the estion is successful, either the
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 conflic
to pending, and the subscriptionOldSP-Authorization attribute
will be modified to true.
If the old service provider issues the action, the
subscriptionOldSP-AuthorizationTimeStamp is also updated to the
current date and time.
!;
<u> </u>
11 O IND New Convice Drewider Cubecription Version Create
- 11.0 LNP New Service Provider Subscription Version Create
where whether the second s
ubscriptionVersionNewSP-Create ACTION
BEHAVIOUR
subscriptionVersionNewSP-CreateDefinition,
<u>subscriptionVersionNewSP-CreateBehavior;</u>
MODE CONFIRMED;
WITH INFORMATION SYNTAX LNP-ASN1.NewSP-CreateAction;
WITH REPLY SYNTAX LNP-ASN1.NewSP-CreateReply;
REGISTERED AS {LNP-OIDS.lnp-action 11};
ubscriptionVersionNewSP-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>
ubscriptionVersionNewSP-CreateBehavior BEHAVIOUR
DEFINED AS !

<u>DEFINED AS !</u>

	Preconditions: This action is issued from an lnpSubscriptions
	object. Creates can be performed provided there is only one
	currently active subscription or no subscription version in the
	NPAC; otherwise an action failure will be returned.
	The new service provider must specify valid values for the
	following attributes:
	subscriptionTN or a valid subscriptionVersionTN-Range
	subscriptionLRN
	subscriptionNewCurrentSP
	subscriptionOldSP
	<u>subscriptionNewSP-DueDate</u>
	<u>subscriptionCLASS-DPC</u>
	subscriptionCLASS-SSN
	subscriptionLIDB-DPC
	subscriptionLIDB-SSN
	subscriptionCNAM-DPC
	subscriptionCNAM-SSN
	subscriptionISVM-DPC
	subscriptionISVM-SSN
	subscriptionLNPType
	subscriptionPortingToOriginal-SPSwitch
	The new service provider must specify valid values for the following
	attributes, when the service provider's "SOA WSMSC DPC SSN Data"
	indicator is TRUE, and must NOT specify these values when the
	indicator is set to FALSE:
	Indicator is set to FALSE.
	<u>_subscriptionWSMSC-DPC</u>
	subscriptionWSMSC-SSN
	The new service provider may specify valid values for the
	following attributes:
	subscriptionEndUserLocationValue
	<u>subscriptionEndUserLocationType</u>
	<u>subscriptionBillingId</u>
	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 be specified as NULL. If the variable is TRUE,
	when the activate occurs for the subscription version, the Local
	SMSs will receive a request to delete the old subscription version
	routing data in their networks. They will not receive any
	new network routing data for the subscription. Concurrence from the
	<u>old service provider is required.</u>
	If the port of the subscription version is an intra-service
	provider port, the new service provider can use the
	subscriptionVersionNewSP-Create action specifying the old service
	provider equal to the new service provider. In this case, the
	<u>old service provider create action is not required.</u>
	Postconditions. After this action has been everyted if
	Postconditions: After this action has been executed, if
	the data specified passes validation, a pending subscription
	version or range of subscription versions will exist in the

NPAC SMS. These validations are done as follows:
<u>subscriptionTN or range of TNs are valid in a range open for</u>
porting by the new service provider. TN ranges must be specified
where the stop TN in the range is greater than the start TN.
subscriptionLNPType is specified to be "LSPP" or "LISP".
subscriptionNewSP-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.
LRN data is associated with the New Service Provider.
If a pre-existing version exists, validation will be done to insure
that the new service provider previously specified is the same
as the executor of the action.
If the validations succeed and the subscription version does not
currently exist, a new subscription version will be created with
<u>a status of pending.</u>
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.
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.
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
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};
subscriptionVersionOldSP-CancellationAcknowledgeDefinition BEHAVIOUR
DEFINED AS !
The subscriptionVersionOldSP-CancellationAcknowledge action
<u>is the action that is used via the SOA to NPAC</u> SMS interface by the old service provider to acknowledge
<u>cancellation of a subscriptionVersionNPAC with a status of</u>
cancel-pending.
<u>!;</u>
subscriptionVersionOldSP-CancellationAcknowledgeBehavior BEHAVIOUR
DEFINED AS !
Preconditions: This action was issued from an lnpSubscriptions
object specifying the object or objects to be acknowledged by either

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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.
<u> </u>
14.0 LNP Old Service Provider Subscription Version Create
aubachistica Varai anol dan Graata AGETON
subscriptionVersionOldSP-Create ACTION
BEHAVIOUR
<pre>subscriptionVersionOldSP-CreateDefinition,</pre>
<pre>subscriptionVersionOldSP-CreateBehavior;</pre>
MODE CONFIRMED;
WITH INFORMATION SYNTAX LNP-ASN1.OldSP-CreateAction;
WITH REPLY SYNTAX LNP-ASN1.OldSP-CreateReply;
REGISTERED AS {LNP-OIDS.lnp-action 14};
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.
<u>!;</u>
<u>subscriptionVersionOldSP-CreateBehavior_BEHAVIOUR</u>
DEFINED AS !
Preconditions: This action was issued from an lnpSubscriptions
object. Creates can be performed provided there is only one
currently active subscription or action failure will be returned.
currently active subscription of action failure will be retained.
The old service provider must specify valid values for the
following attributes:
<u>subscriptionTN or a valid subscriptionVersionTN-Range</u>
<u>subscriptionNewCurrentSP</u>
subscriptionOldSP
subscriptionOldSP-DueDate
subscriptionOldSP-Authorization
<u>subscriptionLNPType</u>
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

range	is	greater	than	the	start	TN.	
-------	----	---------	------	-----	-------	-----	--

subscriptionLNPType is specified as "LSPP" or "LISP".

<u>subscriptionOldSP-DueDate is a future date. If not specified,</u> <u>the time defaults to 00:00.00.</u>

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 of pending.

If the validations succeed and a pending subscription version 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.

!;

-- 15.0 Notification Recovery Action

lnpNotificationRecovery ACTION

BEHAVIOUR

lnpNotificationRecoveryDefinition,

lnpNotificationRecoveryBehavior;

MODE CONFIRMED;

WITH INFORMATION SYNTAX LNP-ASN1.NetworkNotificationRecoveryAction;

WITH REPLY SYNTAX LNP-ASN1.NetworkNotificationRecoveryReply;

REGISTERED AS {LNP-OIDS.lnp-action 15};

lnpNotificationRecoveryDefinition BEHAVIOUR

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.

!;

lnpNotificationRecoveryBehavior BEHAVIOUR

<u>DEFINED AS !</u>

Preconditions: This action is issued from an lnpNPAC-SMS object from a SOA or LSMS that specified the recovery mode flag in the access control as true at association establishment.

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.

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 they 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.
For all download requests, the Local SMS or SOA should behave as follows in response to the possible download M-ACTION response from the NPAC SMS:
<u>Success - process the data received from the NPAC SMS, continue</u> 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 configurablenumber of additional retry attempts with an "x" amount of delaybetween requests ("x" is a configurable amount of time afterreceiving the failure for each request). If a failed responseis received for the final retry request, abort the associationand re-start the recovery process. Note: It is recommended thatthe Local SMS or SOA use the same value that the NPAC SMS usesSMS
<u>use a value of at least two (2) for configurable number of</u> additional retry attempts.
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.
The SOA or LSMS is capable of recovering data based on the association functions. The SOA recovers network data using the data download association function (dataDownload). The SOA recovers notification
<pre>data using the network data management association function (networkDataMgmt).</pre>
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).
The SOA recovers the range notifications when the Service Provider TN Range Notification Indicator is set to TRUE on the NPAC SMS and

the single notifications when the Service Provider TN Range
Notification Indicator is set to FALSE on the NPAC SMS.
!;
16.0 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;
<pre>REGISTERED AS {LNP-OIDS.lnp-action 16};</pre>
numberPoolBlock-CreateDefinition BEHAVIOUR
DEFINED AS !
The numberPoolBlock-Create action is the action that is
<u>used on the NPAC SMS via the SOA to NPAC SMS interface by the</u>
block holder SOA to create a new numberPoolBlockNPAC.
<u>;</u>
numberPoolBlock-CreateBehavior BEHAVIOUR
DEFINED 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
IIIIIIDETFOOTDTOCKWBM3C=35N
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 time
are greater than or equal to the effective date of the
serviceProvNPA-NXX-X object.

The requesting service provider is the block holder and service
provider ID on the serviceProvNPA-NXX-X object.
LRN data is associated with the Block Holder Service Provider.
INN data is associated with the block holder service flovider.
The attributes are all valid and correctly formatted.
If the validations succeed, a new number pool block and corresponding
<u>subscription versions will be created with a status of 'sending'.</u>
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, it
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,
'soa-not-authorized' will be selected in the error reply.
If the corresponding conviceProvNDA-NYV-Y is not found
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.
iopry.
TO the assumption of a sector which the the softward later
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.
;
Notification Definitions
1.0 LNP NPAC SMS Operational Information Notification
lnpNPAC-SMS-Operational-Information NOTIFICATION
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,
<pre>access-control accessControl;</pre>
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.
DOAT difd libeat ond Systems.
This notification is prioritised and transmitted according to its
SOA Notification Priority tunable in the NPAC SMS when sent over
the NPAC SMS to SOA interface.
<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;
<u>REGISTERED AS {LNP-OIDS.lnp-notification 2};</u>
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.
with the boar bio.
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.
This notification is prioritised and transmitted according to its
SOA Notification Priority tunable in the NPAC SMS.
<u>;</u>
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,

<pre>access-control accessControl; REGISTERED AS {LNP-OIDS.lnp-notification 3};</pre>
<u>subscriptionAuditResultsBehavior BEHAVIOUR</u> DEFINED AS !
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
<u>on the return values:</u> Highest - failed due to discrepancies
High - failed on Local SMS
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
'failed due to discrepancies' will override all other status conditions.
This notification is prioritised and transmitted according to its
SOA Notification Priority tunable in the NPAC SMS.
4.0 LNP Subscription Version Cancellation Resolution Request
<pre>subscriptionVersionCancellationAcknowledgeRequest NOTIFICATION BEHAVIOUR subscriptionVersionCancellationAcknowledgeBehavior;</pre>
WITH INFORMATION SYNTAX
LNP-ASN1.VersionCancellationAcknowledgeRequest AND ATTRIBUTE IDS
tn subscriptionTN,
version-id subscriptionVersionId,
<pre>access-control accessControl; REGISTERED AS {LNP-OIDS.lnp-notification 4};</pre>
subscriptionVersionCancellationAcknowledgeBehavior BEHAVIOUR DEFINED AS !
This notification requests that a service provider send
<u>a cancellation acknowledgement for a subscription</u> version. The TN and the version id are sent.
Version. The in and the version id are sent.
The service provider supports this notification if the Service Provider TN Range Notification Indicator is turned off on the NPAC
SMS.
This notification is prioritised and transmitted according to its SOA Notification Priority tunable in the NPAC SMS.
!;
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
tn subscriptionTN,
version-id subscriptionVersionId,
<u>service-prov-customer-disconnect-date</u>
<u>subscriptionCustomerDisconnectDate</u> ,
<u>service-prov-effective-release-date</u>
<pre>subscriptionEffectiveReleaseDate,</pre>
<pre>access-control accessControl;</pre>
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.
The service provider supports this notification if the Service
Provider TN Range Notification Indicator is turned off on the NPAC
<u>SMS.</u>
This notification is prioritised and transmitted according to its
SOA Notification Priority tunable in the NPAC SMS.
;
7.0 LNP Subscription Version Local SMS Action Results
aubacriptionVersionLesslCMC ActionDesults NOTIFICATION
<pre>subscriptionVersionLocalSMS-ActionResults NOTIFICATION BEHAVIOUR subscriptionVersionLocalSMS-ActionResultsBehavior;</pre>
WITH INFORMATION SYNTAX LNP-ASN1.LocalSMS-ActionResults
AND ATTRIBUTE IDS
actionId actionId,
status_actionResultsStatus,
failed-tn-list failedTN-List,
time-of-completion resultsCompletionTime,
accessControl accessControl;
REGISTERED AS {LNP-OIDS.lnp-notification 7};
subscriptionVersionLocalSMS-ActionResultsBehavior BEHAVIOUR
DEFINED AS !
This notification contains the results of a
subscriptionVersionLocalSMS-Create action from a Local SMS.
It 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.
<u>!;</u>
8.0 LNP Subscription Version New NPA-NXX Notification
subscriptionVersionNewNPA-NXX NOTIFICATION
BEHAVIOUR subscriptionVersionNewNPA-NXXBehavior;
WITH INFORMATION SYNTAX
LNP-ASN1.VersionNewNPA-NXX
AND ATTRIBUTE IDS
service-prov-npa-nxx-id_serviceProvNPA-NXX-ID,
service-prov-npa-nxx-value serviceProvNPA-NXX-Value,
service-prov-npa-nxx-effective-time-stamp
serviceProvNPA-NXX-EffectiveTimeStamp,

	CDMO Deminion
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 pend	ling
subscription version involving a new NPA-NXX or creation	
a serviceProvNPA-NXX-X object whose NPA-NXX-X value is th	
first use of the NPA-NXX. The	
	by-id
are sent.	
This notification is prioritised and transmitted accordin	a to ita
SOA Notification Priority tunable in the NPAC SMS when se	
the NPAC SMS to SOA interface.	IL OVEL
<u> </u>	
0.0 IND Ochonistics Mercies New OD Oright Demote Netification	
9.0 LNP Subscription Version New SP Create Request Notificatio	<u>on</u>
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,	
<pre>service-prov-due-date subscriptionOldSP-DueDate,</pre>	
service-prov-old-authorization subscriptionOldSP-Authoriz	ation,
<pre>service-prov-authorization-creation-time-stamp</pre>	
subscriptionOldSP-AuthorizationTimeStamp,	
<pre>status-change-cause-code subscriptionStatusChangeCauseCod</pre>	le,
access-control accessControl,	
<pre>subscription-timer-type subscriptionTimerType,</pre>	
<pre>subscription-business-type subscriptionBusinessType;</pre>	
<pre>REGISTERED AS {LNP-OIDS.lnp-notification 9};</pre>	
subscriptionVersionNewSP-CreateRequestBehavior BEHAVIOUR	
<u>DEFINED AS !</u>	
This notification requests that a new service provider se	<u>end</u>
<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 old service provider id,	
authorization flag and authorization timestamp values are	sent.
If the new service provider supports timer type, it will	<u>be sent.</u>
If the new service provider supports business type, it wi	<u>ll be sent.</u>
The service provider supports this notification if the Se	rvice
Provider TN Range Notification Indicator is turned off on	
SMS.	
This notification is prioritised and transmitted accordin	ig to its
SOA Notification Priority tunable in the NPAC SMS.	
;	
10.0 LNP Subscription Version Old SP Concurrence Request Notif	ication

subscriptionVersionOldSP-ConcurrenceRequest NOTIFICATION
BEHAVIOUR subscriptionVersionOldSP-ConcurrenceRequestBehavior;
WITH INFORMATION SYNTAX LNP-ASN1.VersionOldSP-ConcurrenceRequest
AND ATTRIBUTE IDS
<u>tn subscriptionTN,</u>
version-id subscriptionVersionId,
service-prov-id_subscriptionNewCurrentSP,
service-prov-due-date subscriptionNewSP-DueDate,
<u>service-prov-authorization-creation-time-stamp</u>
subscriptionNewSP-CreationTimeStamp,
access-control accessControl,
subscription-timer-type subscriptionTimerType,
subscription-business-type subscriptionBusinessType;
REGISTERED AS {LNP-OIDS.lnp-notification 10};
Alternative in the orbs. The neutron to ,
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.
The service provider supports this notification if the Service
Provider TN Range Notification Indicator is turned off on the NPAC
SMS.
This notification is prioritised and transmitted according to its
SOA Notification Priority tunable in the NPAC SMS.
<u>!;</u>
11.0 LNP Subscription Version Status Attribute Value Change Notification
TI. U INI Subscription version status Attribute value change Notriteation
subscriptionVersionStatusAttributeValueChange NOTIFICATION
BEHAVIOUR subscriptionVersionStatusAttributeValueChangeBehavior;
WITH INFORMATION SYNTAX LNP-ASN1.VersionStatusAttributeValueChange
AND ATTRIBUTE IDS
value-change-info subscriptionVersionAttributeValueChangeInfo,
failed-service-provs subscriptionFailed-SP-List,
status-change-cause-code subscriptionStatusChangeCauseCode,
access-control accessControl;
REGISTERED AS {LNP-OIDS.lnp-notification 11};
subscriptionVersionStatusAttributeValueChangeBehavior BEHAVIOUR
<u>DEFINED AS !</u>
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
attribute value change notification as defined in M.3100 except for the addition of the list of failed service
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
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
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
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.
attribute value change notification as defined in M.3100except for the addition of the list of failed serviceproviders in cases where the version status is active, failed orpartial failure and the subscriptionStatusChangeCauseCode ifit is set.Failed lists will also be potentially sent for subscription versions
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.
attribute value change notification as defined in M.3100except for the addition of the list of failed serviceproviders in cases where the version status is active, failed orpartial failure and the subscriptionStatusChangeCauseCode ifit is set.Failed lists will also be potentially sent for subscription versions

GDMO Definition
Provider TN Range Notification Indicator is turned off on the NPAC
SMS.
This notification is prioritised and transmitted according to its
SOA NOTIFICATION FILOTICY CUMADLE IN the NEAC SMS.
10.0 IND Outperviction Mension Old CD Final Consumption Environtian
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,
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
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.
This notification is prioritised and transmitted according to its
SOA Notification Priority tunable in the NPAC SMS.
<u>!;</u>
13.0 LNP Number Pool Block Status Attribute Value Change Notification
numberPoolBlockStatusAttributeValueChange NOTIFICATION
BEHAVIOUR numberPoolBlockStatusAttributeValueChangeBehavior;
WITH INFORMATION SYNTAX LNP-
ASN1.NumberPoolBlockStatusAttributeValueChange
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 {ENP-OIDS.INP-NOCITICation 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-EDF
service provider who failed to receive the corresponding subscription
versions of LNP type equal to 'pool'.
Verbiend of his cype equal to poor .

<pre>Failed lists will be notentially sent for number pool blocks with statuses of active, failed, partial failure and old. This notification will be sent to the SOAs when the number PoolBlockSOA-Origination is true for the number pool block object. This notification Friority tunable in the NEAC SMS. </pre>	
<pre>notification will be sent to the SOAs when the numberPoolBlockSOA-Origination is true for the number pool block object. This notification is prioritised and transmitted according to its SOA Notification Priority tunable in the NPAC SMS. </pre>	Failed lists will be potentially sent for number pool blocks
<pre>numberPoolBlockSOA-Origination is true for the number pool block</pre>	with statuses of active, failed, partial failure and old. This
<pre>object. This notification is prioritised and transmitted according to its SOA Notification Priority tunable in the NPAC SMS</pre>	notification will be sent to the SOAs when the
This notification is prioritised and transmitted according to its SOA Notification Priority tunable in the NPAC SMS. 12 14.0 LNP Subscription Version Range Status Attribute Value Change Notification subscriptionVersionRangeStatusAttributeValueChangeDetavior; BERAVIOUR subscriptionVersionRangeStatusAttributeValueChangeDetavior; WITH INFORMATION SYNTAX LNP-ASNI.VersionRangeStatusAttributeValueChangeDetavior; subscriptionVersionRangeStatusAttributeValueChangeDetavior; access-control accessControl; REGISTERED AS [LNP-OIDS.lnp-notification 14]; subscriptionVersionRangeStatusAttributeValueChangeDetavion DEFINED AS [LNP-OIDS.lnp-notification 14]; subscriptionVersionRangeStatusAttributeValueChangeDetavions the status attribute value change notification which is based on the subscriptionVersionStatus field for range operations. It uses the status attribute value change notification which is based on the status attribute value change notification which is based on the status attribute value change notification which is based on the subscriptionStatusChangeGauseCode if it is set. The service provider supports this notification if the Service Provider TN Range Notification Indicator is set on the NFAC SMS and the service provider will no longer receive the subscriptionVersionStatusAttributeValueChange notification. This notification is prioritised and transmitted according to its SOA Notification Priority tunable in the NFAC SMS. 12 15.0 LNP Subscription Version RangeAttributeValueChange Notification subscriptionVersionRangeAttributeValueChangeInfo, access-control accessControl REMAVIOUR subscriptionVersionRangeAttributeValueChangeInfo, asubscriptionVersionRangeAttributeValueChangeInfo, asubscriptionVersionRangeAttributeValueChangeInfo, asubscriptionVersionRangeAttributeValueChangeInfo, asubscriptionVersionRangeAttributeValueChangeInfo, asubscriptionVersionRangeAttributeValueChangeInfo, asubscriptionVersionRangeAttributeValueChangeInfo, asubscriptionVersionRangeAttributeValueChangeInfo, asubscriptionVersionRangeAt	<u>numberPoolBlockSOA-Origination is true for the number pool block</u>
SOA Notification Priority tunable in the NFAC SMS	object.
SOA Notification Priority tunable in the NFAC SMS	
SOA Notification Priority tunable in the NFAC SMS	This notification is prioritised and transmitted according to its
<pre></pre>	
 14.0 LNP Subscription Version Range Status Attribute Value Change Notification subscriptionVersionRangeStatusAttributeValueChange NOTIFICATION BERAVIOUR subscriptionVersionRangeStatusAttributeValueChangePehavior; WITH INFORMATION SYNTAX LNP-ASNL/VersionRangeStatusAttributeValueChange AND ATTRIBUTE IDS range-status-attribute-value-change=info subscriptionVersionRangeStatusAttributeValueChangeInfo, access-control accessControl; REGISTERED AS (LNP-OIDS.hnp-notification 14); subscriptionVersionRangeStatusAttributeValueChangeBehavior BEHAVIOUR DEFINED AS ! This notification type is used to report changes to the subscriptionVersionRangeStatusAttributeValueChangeBehavior in cases where attribute value change notification which is based on the attribute value change notification is based on the subscriptionVersionStatus field for range operations. It uses the attribute value change notification is based on the subscriptionVersionStatus is active, failed or partially failed and the subscriptionStatusChangeCauseCode if it is set. The service provider supports this notification if the Service Provider TN Range Notification Indicator is set on the NPAC SMS and the service provider supports this notification. This notification is prioritised and transmitted according to its SOA Notification Priority tunable in the NPAC SMS. 1/2 15.0 LNP SubscriptionVersionRangeAttributeValueChangeMotification subscriptionVersionRangeAttributeValueChangeMotification, access-control accessControl; REGISTERED AS (LNP-OIDS.hnp-notification 15); subscriptionVersionRangeAttributeValueChangeEhavior; MITH INFORMATION SYNTAX LNP-ASNI, VersionRangeAttributeValueChangeInfo, access-control accessControl; REGISTERED AS (LNP-OIDS.hnp-notification 15); SubscriptionVersionRangeAttributeValueChangeEhavior BEHAVIOUR DEFINED AS ; This notification type is	
Notification subscriptionVersionRangeStatusAttributeValueChange NOTIFICATION BERAVIOUR subscriptionVersionRangeStatusAttributeValueChangeBehavior; WITH INFORMATION SYNTAX LNP-ASN1.VersionRangeStatusAttributeValueChange AND ATTRIBUTE IDS range-status-attribute-value-change-info subscriptionVersionRangeStatusAttributeValueChangeInfo, access-control accessControl. REGISTERED AS (INP-OIDS.Inp-notification 14); subscriptionVersionRangeStatusAttributeValueChangeBehavior BEHAVIOUR DEFINED AS 1 This notification type is used to report changes to the subscriptionVersionStatus field for range operations. It uses the status attribute value change notification which is based on the attribute value change notification as defined in M.3100 with 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. The service provider supports this notification if the Service Provider TN Range Notification Indicator is set on the NPAC SMS and the service provider will no longer receive the subscriptionVersionStatuaAttributeValueChange Notification subscriptionVersionRangeAttributeValueChange Notification	
Notification subscriptionVersionRangeStatusAttributeValueChange NOTIFICATION BERAVIOUR subscriptionVersionRangeStatusAttributeValueChangeBehavior; WITH INFORMATION SYNTAX LNP-ASNI.VersionRangeStatusAttributeValueChange AND ATTRIBUTE IDS range-status-attribute-value-change-info subscriptionVersionRangeStatusAttributeValueChangeInfo, access-control accessControl. REGISTERED AS (INP-OIDS.Inp-notification 14); subscriptionVersionRangeStatusAttributeValueChangeBehavior BEHAVIOUR DEFINED AS 1 This notification type is used to report changes to the subscriptionVersionStatus field for range operations. It uses the status attribute value change notification which is based on the attribute value change notification is cases where the version status is active, failed or partially failed and the subscriptionStatusChangeCauseCode if it is set. The service provider supports this notification if the Service Provider TN Range Notification Indicator is set on the NPAC SMS and the service provider will no longer receive the subscriptionVersionStatuaAttributeValueChange Notification subscriptionVersionRangeAttributeValueChange NOTIFICATION BEHAVIOUR subscriptionVersionRangeAttributeValueChangeAttributeValueChangeBehavior; <td> 14.0 LNP Subscription Version Range Status Attribute Value Change</td>	14.0 LNP Subscription Version Range Status Attribute Value Change
<pre>subscriptionVersionRangeStatusAttributeValueChange NOTIFICATION BEHAVIOUR subscriptionVersionRangeStatusAttributeValueChangeBehavior; wiTH INFORMATION SYNTAX LMP-ASN1.VersionRangeStatusAttributeValueChangeBehavior; AND ATTRIBUTE IDS range-status-attribute-value-change-info subscriptionVersionRangeStatusAttributeValueChangeInfo, access-control accessControl; REGISTERED AS (LMP-OIDS.Inp-notification 14); subscriptionVersionRangeStatusAttributeValueChangeBehavior BEHAVIOUR DEFINED AS 1 This notification type is used to report changes to the subscriptionVersionRangeStatusAttributeValueChangeBehavior BEHAVIOUR DEFINED AS 1 This notification type is used to report changes to the subscriptionVersionStatus field for range operations. It uses the status attribute value change notification which is based on the attribute value change notification as defined in M.3100 with 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. The service provider supports this notification if the Service Provider TN Range Notification Indicator is set on the NPAC SMS and the service provider will no longer receive the subscriptionVersionStatuaAttributeValueChange notification. This notification is prioritised and transmitted according to its SOA Notification Priority tunable in the NPAC SMS. . L: . L: . DISCONTENDENTION SUBScriptionVersionRangeAttributeValueChangeBehavior; wiTH INFORMATION SYNTAX_LMP-ASNI.VersionRangeAttributeValueChangeInfo, access-control accessControl; . REGISTERED AS (LNP-OIDS.Inp-notification 15); SubscriptionVersionRangeAttributeValueChangeInfo, access-control accessControl; . REGISTERED AS (LNP-OIDS.Inp-notification 15); . DEFINED AS 1 . This notification type is used to report changes to the attributes in the subscription versions for range operations. It uses the attribute value change notification, which is based on the attributes in the subscription Vers</pre>	
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AND ATTRIBUTE IDS range-attribute-value-change-info subscriptionVersionRangeAttributeValueChangeInfo, access-control accessControl; REGISTERED AS {LNP-OIDS.lnp-notification 15}; subscriptionVersionRangeAttributeValueChangeBehavior BEHAVIOUR DEFINED AS ! This notification type is used to report changes to the attributes in the subscription versions for range operations. It uses the attribute value change notification, which is based on the attribute	BEHAVIOUR subscriptionVersionRangeAttributeValueChangeBehavior;
<pre>range-attribute-value-change-info subscriptionVersionRangeAttributeValueChangeInfo, access-control accessControl; REGISTERED AS {LNP-OIDS.lnp-notification 15}; subscriptionVersionRangeAttributeValueChangeBehavior BEHAVIOUR DEFINED AS ! This notification type is used to report changes to the attributes in the subscription versions for range operations. It uses the attribute value change notification, which is based on the attribute</pre>	WITH INFORMATION SYNTAX LNP-ASN1.VersionRangeAttributeValueChange
<pre>range-attribute-value-change-info subscriptionVersionRangeAttributeValueChangeInfo, access-control accessControl; REGISTERED AS {LNP-OIDS.lnp-notification 15}; subscriptionVersionRangeAttributeValueChangeBehavior BEHAVIOUR DEFINED AS ! This notification type is used to report changes to the attributes in the subscription versions for range operations. It uses the attribute value change notification, which is based on the attribute</pre>	AND ATTRIBUTE IDS
subscriptionVersionRangeAttributeValueChangeInfo,access-control accessControl;REGISTERED AS {LNP-OIDS.lnp-notification 15};subscriptionVersionRangeAttributeValueChangeBehavior BEHAVIOURDEFINED AS !This notification type is used to report changes to the attributesin the subscription versions for range operations. It uses theattribute value change notification, which is based on the attribute	
<pre>access-control accessControl; REGISTERED AS {LNP-OIDS.lnp-notification 15}; subscriptionVersionRangeAttributeValueChangeBehavior BEHAVIOUR DEFINED AS ! This notification type is used to report changes to the attributes in the subscription versions for range operations. It uses the attribute value change notification, which is based on the attribute</pre>	
REGISTERED AS {LNP-OIDS.lnp-notification 15}; subscriptionVersionRangeAttributeValueChangeBehavior BEHAVIOUR DEFINED AS ! This notification type is used to report changes to the attributes in the subscription versions for range operations. It uses the attribute value change notification, which is based on the attribute	
<pre>subscriptionVersionRangeAttributeValueChangeBehavior BEHAVIOUR DEFINED AS ! This notification type is used to report changes to the attributes in the subscription versions for range operations. It uses the attribute value change notification, which is based on the attribute</pre>	
DEFINED AS ! This notification type is used to report changes to the attributes in the subscription versions for range operations. It uses the attribute value change notification, which is based on the attribute	NOTOTINED NO [INT OTDO. THE NOTITICATION TO];
DEFINED AS ! This notification type is used to report changes to the attributes in the subscription versions for range operations. It uses the attribute value change notification, which is based on the attribute	
This notification type is used to report changes to the attributes in the subscription versions for range operations. It uses the attribute value change notification, which is based on the attribute	
in the subscription versions for range operations. It uses the attribute value change notification, which is based on the attribute	
attribute value change notification, which is based on the attribute	
value change notification as defined in M.3100.	
	value change notification as defined in M.3100.

The service provider supports this notification if the Service
Provider TN Range Notification Indicator is set on the NPAC SMS and
the service provider will no longer receive an
attribute value change notification for a subscription version.
This notification is prioritised and transmitted according to its
;
16.0 LNP Subscription Version Range Object Creation Notification
subscriptionVersionRangeObjectCreation NOTIFICATION
BEHAVIOUR subscriptionVersionRangeObjectCreationBehavior;
WITH INFORMATION SYNTAX LNP-ASN1.VersionRangeObjectCreation
AND ATTRIBUTE IDS
range-object-creation-info subscriptionVersionRangeObjectCreationInfo,
access-control accessControl;
REGISTERED AS {LNP-OIDS.lnp-notification 16};
subscriptionVersionRangeObjectCreationBehavior BEHAVIOUR
DEFINED_AS !
This notification type is used to report creation of subscription
versions for range operations. It uses the object creation
The service provider supports this notification if the Service
Provider TN Range Notification Indicator is set on the NPAC SMS and
the service provider will no longer receive an
object creation notification for a subscription version.
This notification is prioritised and transmitted according to its
SOA Notification Priority tunable in the NPAC SMS.
!;
17.0 LNP Subscription Version Range Donor Disconnect Notification
subscriptionVersionRangeDonorSP-CustomerDisconnectDate NOTIFICATION
BEHAVIOUR subscriptionVersionRangeDonorSP-CustomerDisconnectDateBehavior;
WITH INFORMATION SYNTAX LNP-ASN1.VersionRangeCustomerDisconnectDate
AND ATTRIBUTE IDS
range-donor-disconnect-info
access-control accessControl;
REGISTERED AS {LNP-OIDS.lnp-notification 17};
subscriptionVersionRangeDonorSP-CustomerDisconnectDateBehavior BEHAVIOUR
DEFINED AS !
This notification informs the donor service provider SOA that a
range of subscription versions is being disconnected. The TN,
the version id, customer disconnect date and effective release
date (optional) values are sent.
The service provider supports this notification if the Service
Provider TN Range Notification Indicator is set on the NPAC SMS and
the service provider will no longer receive a
subscriptionVersionDonorSP-CustomerDisconnectDate notification.
This notification is prioritised and transmitted according to its

SOA Notification Priority tunable in the NPAC SMS.
<u> </u>
18.0 LNP Subscription Version Range Cancellation Acknowledge Notification
subscriptionVersionRangeCancellationAcknowledgeRequest NOTIFICATION
BEHAVIOUR subscriptionVersionRangeCancellationAcknowledgeBehavior;
WITH INFORMATION SYNTAX LNP-
ASN1.VersionRangeCancellationAcknowledgeRequest
AND ATTRIBUTE IDS
range-cancellation-acknowledge-info
subscriptionVersionRangeCancellationAcknowledgeInfo,
access-control accessControl;
<pre>REGISTERED AS {LNP-OIDS.lnp-notification 18};</pre>
subscriptionVersionRangeCancellationAcknowledgeBehavior BEHAVIOUR
DEFINED AS !
This notification requests that a service provider send a
<u>cancellation acknowledgement for a range of subscription</u>
versions. The TNs and version ids are sent.
<u>The service provider supports this notification if the Service</u>
Provider TN Range Notification Indicator is set on the NPAC SMS and
the service provider will no longer receive a
subscriptionVersionCancellationAcknowledgeRequest notification.
mili
This notification is prioritised and transmitted according to its
SOA Notification Priority tunable in the NPAC SMS.
<u> </u>
19.0 LNP Subscription Version Range New SP Create Notification
subscriptionVersionRangeNewSP-CreateRequest NOTIFICATION
BEHAVIOUR subscriptionVersionRangeNewSP-CreateRequestBehavior;
WITH INFORMATION SYNTAX LNP-ASN1.VersionRangeNewSP-CreateRequest
AND ATTRIBUTE IDS
range-new-sp-create-info
subscriptionVersionRangeNewSP-CreateRequestInfo,
access-control accessControl;
REGISTERED AS {LNP-OIDS.lnp-notification 19};
subscriptionVersionRangeNewSP-CreateRequestBehavior BEHAVIOUR
<u>DEFINED AS !</u>
This notification requests that a new service provider send a
create request for a range of subscription versions for which
concurrence for porting the number has not been received. The
TNs, the version ids and the old service provider id, authorization
flag and authorization timestamp values are sent. If the new
service provider supports business type, it will be sent.
The service provider supports this notification if the Service
Provider TN Range Notification Indicator is set on the NPAC SMS and
the service provider will no longer receive a
subscriptionVersionNewSP-CreatRequest notification.
This notification is prioritised and transmitted according to its
This notification is prioritised and transmitted according to its SOA Notification Priority tunable in the NPAC SMS.

20.0 LNP Subscription Version Range Old SP Concurrence Notification
subscriptionVersionRangeOldSP-ConcurrenceRequest NOTIFICATION
BEHAVIOUR subscriptionVersionRangeOldSP-ConcurrenceRequestBehavior;
WITH INFORMATION SYNTAX LNP-ASN1.VersionRangeOldSP-ConcurrenceRequest
AND ATTRIBUTE IDS
range-old-sp-concurrence-info
subscriptionVersionRangeOldSP-ConcurrenceRequestInfo,
access-control accessControl;
<pre>REGISTERED AS {LNP-OIDS.lnp-notification 20};</pre>
<u>subscriptionVersionRangeOldSP-ConcurrenceRequestBehavior_BEHAVIOUR</u>
DEFINED_AS !
This notification requests that an old service provider send a
create request for a range of subscription versions for which
concurrence for porting the number has not been received. The
TNs, the version ids, 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. If the old service
piovidei suppoits business type, it will be sent.
The service provider supports this notification if the Service
Provider TN Range Notification Indicator is set on the NPAC SMS and
the service provider will no longer receive a
subscriptionVersionOldSP-ConcurrenceRequest notification.
This notification is prioritised and transmitted according to its
SOA Notification Priority tunable in the NPAC SMS.
<u> </u>
21.0 LNP Subscription Version Range Old SP Final Concurrence Window
Expiration Notification
subscriptionVersionRangeOldSPFinalConcurrenceWindowExpiration NOTIFICATION
BEHAVIOUR
subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationBehavior;
WITH INFORMATION SYNTAX LNP-
ASN1.VersionRangeOldSPFinalConcurrenceWindowExpiration
AND ATTRIBUTE IDS
range-old-sp-finalconcurrence-window-expiration-info_
subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationInfo,
access-control accessControl;
REGISTERED AS {LNP-OIDS.lnp-notification 21};
${\tt subscriptionVersionRangeOldSPFinalConcurrenceWindowExpirationBehavior}$
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 for a
range of TNs. If the old service provider supports timer type, it
will be sent. If the old service provider supports business type,
it will be sent.
IC WILL DO CONC.
The service provider supports this patification if the Service
The service provider supports this notification if the Service
Provider TN Range Notification Indicator is set on the NPAC SMS and
the service provider will no longer receive a
subscriptionVersionOldSPFinalConcurrenceWindowExpiration notification.

This notification is prioritised and transmitted according to its
SOA Notification Priority tunable in the NPAC SMS.
;
22.0 LNP Subscription Version Range New SP Final Create Window
Expiration Notification
when with the Western Department of Department of the NOTIFICATION
subscriptionVersionRangeNewSP-FinalCreateWindowExpiration NOTIFICATION
BEHAVIOUR subscriptionVersionRangeNewSP-
<pre>FinalCreateWindowExpirationBehavior;</pre>
WITH INFORMATION SYNTAX LNP-ASN1.VersionRangeNewSP-
<u>FinalCreateWindowExpiration</u>
AND ATTRIBUTE IDS
<pre>range-new-sp-final-create-window-expiration-info</pre>
<pre>subscriptionVersionRangeNewSP-FinalCreateWindowExpirationInfo,</pre>
<pre>access-control accessControl;</pre>
REGISTERED AS {LNP-OIDS.lnp-notification 22};
subscriptionVersionRangeNewSP-FinalCreateWindowExpirationBehavior BEHAVIOUR
DEFINED AS !
This notification indicates the final create window has expired
for concurrence of a subscription version. This occurs when an
old service provider has sent a create request for a subscription
version and the new service provider has not concurred to the port
within the period of time of both the initial and final concurrence
timers. Once the final create window has expired, this notification
is sent to both the old and new service providers that support this
notification.
On the NDIG GNG, the Direl Greate Minder has series a but the NDIG
On the NPAC SMS, the Final Create Window has expired, but the NPAC
SMS has not updated the status to cancel.
The TN, the version id and the new and old service provider id,
cause code, 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.
The subscription version remains in a status of pending or conflict.
The service provider supports this notification if the Service
Provider TN Range Notification Indicator is set on the NPAC SMS and
the service provider will no longer receive a
subscriptionVersionNewSP-FinalCreateWindowExpiration notification.
This notification is prioritised and transmitted according to its
SOA Notification Priority tunable in the NPAC SMS.
!;
23.0 LNP Subscription Version New SP Final Create Window Expiration
Notification
subscriptionVersionNewSP-FinalCreateWindowExpiration NOTIFICATION
BEHAVIOUR subscriptionVersionNewSP-
FinalCreateWindowExpirationPkgBehavior;
WITH INFORMATION SYNTAX LNP-ASN1.VersionNewSP-FinalCreateWindowExpiration
AND ATTRIBUTE IDS
tn subscriptionTN,

	Dino Demitions
version-id subscriptionVersionId,	
new-service-prov-id subscriptionNewCurrentSP,	
old-service-prov-id subscriptionOldSP,	
<pre>service-prov-due-date subscriptionOldSP-DueDate,</pre>	
service-prov-old-authorization subscriptionOldSP-Authorization	ion,
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 23};	
subscriptionVersionNewSP-FinalCreateWindowExpirationPkqBehavior BEHA	AVIOUR
DEFINED AS !	
This notification indicates the final create window has exp	ired
for concurrence of a subscription version. This occurs when	
old service provider has sent a create request for a subscri	
version and the new service provider has not concurred to th	
within the period of time of both the initial and final cond	
timers. Once the final create window has expired, this not	
is sent to both the old and new service providers that suppo	
this notification.	
On the NPAC SMS, the Final Create Window has expired, but th	ne NPAC
SMS has not updated the status to cancel.	
The TN, the version id and the new and old service provider	id,
cause code, authorization flag and authorization timestamp	
are sent. If the new service provider supports timer type,	
will be sent. If the new service provider supports business	
it will be sent.	
The subscription version remains in a status of pending or o	conflict.
The service provider supports this notification if the Servi	ice
Provider TN Range Notification Indicator is turned off on th	
SMS.	
This notification is prioritised and transmitted according t	to its
SOA Notification Priority tunable in the NPAC SMS.	

7 General ASN.1 Definitions

7.1 Overview

The ASN.1 definitions ($asn1_v3_{\underline{0}2_{\underline{0}41700}\underline{1}\underline{0}082401$) 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

```
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) }
lnp-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) }
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
```

7.3 LNP General ASN.1 Definitions

LNP-ASN1 {iso(1) org(3) dod(6) internet(1) private(4) enterprises(1) <u>lockheed(103) cis(7) npac(0) iis(0) asn1(1)}</u> 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)), GraphicString(SIZE(9)), zip province GraphicString(SIZE(2)), country GraphicString20, contactPhone PhoneNumber, <u>contact GraphicString40,</u> contactFax PhoneNumber, contactPager PhoneNumber, contactPagerPIN DigitString, -- value should be no more than 10 digits contactE-mail GraphicString60 } 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
Ł
AuditFailureData ::= CHOICE {
    tn-version-missing-NPAC [0] NULL,
    tn-version-missing-LSMS [1] NULL,
    mismatch-data [2] MismatchAttributes
Ł
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
Ł
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),
   <u>no-audit-performed (3)</u>
}
<u>AuditServiceProvIdRange ::= CHOICE {</u>
    allServiceProvs [0] NULL,
    serviceProv [1] ServiceProvName -- ServiceProvId value allowed
}
AuditStatus ::= ENUMERATED {
    in-progress (0),
    suspended (1),
    <u>complete (2)</u>
}
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
Ł
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),
   <u>old (7)</u>
}
Boolean ::= BOOLEAN
CancellationAcknowledgeAction ::= SubscriptionVersionAction
CancellationAcknowledgeReply ::= SubscriptionVersionActionReply
CancelAction::= SubscriptionVersionAction
CancelReply ::= SubscriptionVersionActionReply
DPC ::= CHOICE {
                    [0] OCTET STRING (SIZE(3)),
    <u>dpc-value</u>
   no-value-needed [1] NULL
}
DigitString ::= GraphicString (FROM ("0" | "1" | "2" | "3" | "4" | "5" |
                "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
Ł
EndUserLocationValue ::= CHOICE {
   value [0] NumberString(SIZE(1..12)),
   no-value-needed [1] NULL
Ŧ
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)

```
3
FailedTN-List ::= SET OF SEQUENCE {
   subscriptionVersionId SubscriptionVersionId,
   tn PhoneNumber,
   errorId CMIPErrorCode
}
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))
<u>GraphicString40 ::= GraphicStringBase(SIZE(1..40))</u>
GraphicString60 ::= GraphicStringBase(SIZE(1..60))
GraphicString255 ::= GraphicStringBase(SIZE(1..255))
ID-Range ::= SEQUENCE {
  start-id LnpKey,
  end-id LnpKey
}
Integer ::= INTEGER
LnpAccessControl ::= [0] SEQUENCE {
   systemId [0] EXPLICIT SystemID,
   systemType [1] SystemType,
   userId [2] GraphicString60 OPTIONAL,
    listId [3] INTEGER,
   keyId [4] INTEGER,
   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),
    <u>pool (2)</u>
}
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
Ł
LRN-Range ::= SEQUENCE {
stop-lrn LRN
}
LSMSUnits ::= SEQUENCE {
    dataDownload [0] NULL OPTIONAL,
   networkDataMgmt [1] NULL OPTIONAL,
   query [2] NULL OPTIONAL
}
MismatchAttributes ::= SEQUENCE {
    seq0 [0] SEQUENCE {
        lsms-subscriptionLRN LRN,
        npac-subscriptionLRN LRN
    } OPTIONAL,
    seq1 [1] SEQUENCE
        lsms-subscriptionNewCurrentSP ServiceProvId,
       npac-subscriptionNewCurrentSP ServiceProvId
    } OPTIONAL,
    seq2 [2] SEQUENCE {
        lsms-subscriptionActivationTimeStamp GeneralizedTime,
       <u>npac-subscriptionActivationTimeStamp GeneralizedTime</u>
    } 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,
seq7 [7] SEQUENCE {
lsms-subscriptionISVM-DPC DPC,
npac-subscriptionISVM-DPC_DPC
} OPTIONAL,
seq8 [8] SEQUENCE {
lsms-subscriptionISVM-SSN_SSN,
npac-subscriptionISVM-SSN SSN
} OPTIONAL,
Seq9 [9] SEQUENCE {
lsms-subscriptionCNAM-DPC DPC,
npac-subscriptionCNAM-DPC DPC
} OPTIONAL,
seq10 [10] SEQUENCE {
lsms-subscriptionCNAM-SSN_SSN_
npac-subscriptionCNAM-SSN SSN
} OPTIONAL,
seql1 [11] SEQUENCE {
lsms-subscriptionEndUserLocationValue EndUserLocationValue,
npac-subscriptionEndUserLocationValue EndUserLocationValue
} OPTIONAL,
seq12 [12] SEQUENCE {
lsms-subscriptionEndUserLocationType EndUserLocationType,
<u>npac-subscriptionEndUserLocationType EndUserLocationType</u>
} OPTIONAL,
seq13 [13] SEQUENCE {
<u>lsms-subscriptionBillingId BillingId</u>
npac-subscriptionBillingId BillingId
npac-subscriptionBillingId BillingId
} OPTIONAL,
} OPTIONAL, seq14 [14] SEQUENCE {
<pre>} OPTIONAL, seq14 [14] SEQUENCE { lsms-subscriptionLNPType LNPType,</pre>
<pre>} OPTIONAL, seq14 [14] SEQUENCE { lsms-subscriptionLNPType LNPType, npac-subscriptionLNPType LNPType</pre>
<pre>} OPTIONAL, seq14 [14] SEQUENCE { lsms-subscriptionLNPType LNPType,</pre>
<pre>} OPTIONAL, seq14 [14] SEQUENCE { lsms-subscriptionLNPType LNPType, npac-subscriptionLNPType LNPType } OPTIONAL,</pre>
<pre>} OPTIONAL, seq14 [14] SEQUENCE { lsms-subscriptionLNPType LNPType, npac-subscriptionLNPType LNPType } OPTIONAL, seq15 [15] SEQUENCE {</pre>
<pre>} OPTIONAL, seq14 [14] SEQUENCE { lsms-subscriptionLNPType LNPType, npac-subscriptionLNPType LNPType } OPTIONAL, seq15 [15] SEQUENCE { lsms-subscriptionWSMSC-DPC DPC,</pre>
<pre>} OPTIONAL, seq14 [14] SEQUENCE { lsms-subscriptionLNPType LNPType, npac-subscriptionLNPType LNPType } OPTIONAL, seq15 [15] SEQUENCE { lsms-subscriptionWSMSC-DPC DPC, npac-subscriptionWSMSC-DPC DPC</pre>
<pre>} OPTIONAL, seq14 [14] SEQUENCE { lsms-subscriptionLNPType LNPType, npac-subscriptionLNPType LNPType } OPTIONAL, seq15 [15] SEQUENCE { lsms-subscriptionWSMSC-DPC DPC,</pre>
<pre>} OPTIONAL, seq14 [14] SEQUENCE { lsms-subscriptionLNPType LNPType, npac-subscriptionLNPType LNPType } OPTIONAL, seq15 [15] SEQUENCE { lsms-subscriptionWSMSC-DPC DPC, npac-subscriptionWSMSC-DPC DPC</pre>
<pre>} 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 {</pre>
<pre>} 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,</pre>
<pre>} 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,</pre>
<pre>} 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,</pre>
<pre>} 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,</pre>
<pre>} 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,</pre>
<pre>} 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, hpac-subscriptionWSMSC-SSN SSN } OPTIONAL }</pre>
<pre>} 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, npac-subscriptionWSMSC-SSN SSN } OPTIONAL } </pre>
<pre>} 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, npac-subscriptionWSMSC-SSN SSN } OPTIONAL } ModifyAction::= SEQUENCE { subscription-version-action [0] EXPLICIT SubscriptionVersionAction,</pre>
<pre>} 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, npac-subscriptionWSMSC-SSN SSN } OPTIONAL } ModifyAction::= SEQUENCE { subscription-version-action [0] EXPLICIT SubscriptionVersionAction, version-status [1] VersionStatus OPTIONAL,</pre>
<pre>} 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, npac-subscriptionWSMSC-SSN SSN } OPTIONAL } ModifyAction::= SEQUENCE { subscription-version-action [0] EXPLICIT SubscriptionVersionAction,</pre>
<pre>} 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, npac-subscriptionWSMSC-SSN SSN } OPTIONAL } ModifyAction::= SEQUENCE { subscription-version-action [0] EXPLICIT SubscriptionVersionAction, version-status [1] VersionStatus OPTIONAL,</pre>
<pre>} 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, npac-subscriptionWSMSC-SSN SSN } OPTIONAL } ModifyAction::= SEQUENCE { subscription-version-action [0] EXPLICIT SubscriptionVersionAction, version-status [1] VersionStatus OPTIONAL, data-to-modify [2] SubscriptionModifyData</pre>
<pre>} 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 }</pre>
<pre>} 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 {</pre>
<pre>} 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, 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,</pre>
<pre>} 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, 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</pre>
<pre>} 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, 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,</pre>
<pre>} 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, 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</pre>
<pre>} 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 } </pre>
<pre>} 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 {</pre>
<pre>} OPTIONAL, seq14 [14] SEQUENCE { lsms-subscriptionLNPType LNPType, mpac-subscriptionNSMSC-DPC DPC, mpac-subscriptionWSMSC-DPC DPC, mpac-subscriptionWSMSC-DPC DPC) OPTIONAL, seq16 [16] SEQUENCE { lsms-subscriptionWSMSC-SSN SSN, npac-subscriptionWSMSC-SSN SSN } OPTIONAL } OPTIONAL /////////////////////////////////</pre>
<pre>} 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 {</pre>
<pre>} OPTIONAL, seq14 [14] SEQUENCE { lsms-subscriptionLNPType LNPType, mpac-subscriptionNSMSC-DPC DPC, mpac-subscriptionWSMSC-DPC DPC, mpac-subscriptionWSMSC-DPC DPC) OPTIONAL, seq16 [16] SEQUENCE { lsms-subscriptionWSMSC-SSN SSN, npac-subscriptionWSMSC-SSN SSN } OPTIONAL } OPTIONAL /////////////////////////////////</pre>

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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 {
          npa-nxx-x-range [0] NPA-NXX-X-Range,
          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 {
       s<u>uccess (0),</u>
        failed (1),
       time-range-invalid (2),
       criteria-to-large (3),
       no-data-selected (4)
    <u>},</u>
   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,
```

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subscription-version-audit-discrepancy-report [3]	
AuditDiscrepancyRptRecovery,	
subscription-audit-results [4] AuditResultsRecovery,	
<u>lnp-npac-sms-operational-information [5]</u>	
<u>NPAC-SMS-Operational-InformationRecovery</u>	
<u>subscription-version-new-sp-create-request [6]</u>	
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,	
numberPoolBlockStatusAttributeValueChange [14]	
NumberPoolBlockStatusAttributeValueChangeRecovery,	
versionRangeAttributeValueChangeRecovery [15]	
VersionRangeAttributeValueChangeRecovery,	
versionRangeObjectCreationRecovery [16]	
VersionRangeObjectCreationRecovery,	
versionRangeStatusAttributeValueChangeRecovery [17]	
VersionRangeStatusAttributeValueChangeRecovery,	
versionRangeCustomerDisconnectDateRecovery [18]	
VersionRangeCustomerDisconnectDateRecovery,	
versionRangeCancellationAcknowledgeRecovery [19]	
VersionRangeCancellationAcknowledgeRecovery,	
versionRangeNewSP-CreateRequestRecovery [20]	
VersionRangeNewSP-CreateRequestRecovery,	
versionRangeOldSP-ConcurrenceRequestRecovery [21]	
VersionRangeOldSP-ConcurrenceRequestRecovery,	
versionRangeOldSPFinalConcurrenceWindowExpirationRecovery [2	
VersionRangeOldSPFinalConcurrenceWindowExpirationRecover	<u>Y,</u>
versionRangeNewSP-FinalCreateWindowExpirationRecovery [23]	
VersionRangeNewSP-FinalCreateWindowExpirationRecovery,	
subscription-version-new-sp-final-window-expiration [24]	
VersionNewSP-FinalCreateWindowExpirationRecovery	
<u>}</u>	
} OPTIONAL	

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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 new current sp [2] ServiceTrovId, 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,

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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
}
NpacAssociationUserInfo ::= SEQUENCE {
   erro<u>r-code [0] IMPLICIT ErrorCode</u>,
   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
   npa-value NPA,
   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
```

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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-npa-nxx-x-download-reason [5] DownloadReason
}
NPA-NXX-X-ID ::= LnpKey
NPA-NXX-X-Range ::= SEQUENCE {
   start-npa-nxx-x NPA-NXX-X,
    stop-npa-nxx-x NPA-NXX-X
}
NPAC-SMS-Operational-Information ::= SEQUENCE {
   down-time TimeRange,
    npac-contact-number PhoneNumber,
   additional-down-time-information GraphicString255,
    access-control LnpAccessControl
}
<u>NPAC-SMS-Operational-InformationRecovery ::= SEQUENCE {</u>
    down-time TimeRange,
   npac-contact-number PhoneNumber,
    additional-down-time-information GraphicString255
}
NumberPoolBlock-CreateAction ::= SEQUENCE {
    block-npa-nxx-x NPA-NXX-X,
   block-holder-sp ServiceProvId,
   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 OPTIONAL,
    block-wsmsc-ssn [1] SSN OPTIONAL
}
NumberPoolBlock-CreateInvalidData ::= CHOICE {
    block-npa-nxx-x [0] EXPLICIT NPA-NXX-X,
    block-lrn [1] EXPLICIT LRN,
    block-class-dpc [2] EXPLICIT DPC,
    block-class-ssn [3] EXPLICIT SSN,
    block-lidb-dpc [4] EXPLICIT DPC,
    block-lidb-ssn [5] EXPLICIT
                                SSN,
    block-isvm-dpc [6] EXPLICIT DPC,
    block-isvm-ssn [7] EXPLICIT SSN,
   block-cnam-dpc [8] EXPLICIT DPC,
```

}

```
block-cnam-ssn [9] EXPLICIT SSN,
    block-wsmsc-dpc [10] EXPLICIT DPC,
    block-wsmsc-ssn [11] EXPLICIT SSN
}
NumberPoolBlock-CreateReply ::= SEQUENCE {
   block-id [0] BlockId,
    status [1] ENUMERATED {
      success (0),
     failed (1),
     soa-not-authorized (2),
    <u>no-npa-nxx-x-found (3),</u>
     <u>invalid-data-values (4),</u>
      number-pool-block-already-exists (5),
       prior-to-effective-date (6),
       invalid-subscription-versions (7)
   },
   block-invalid-values [2] NumberPoolBlock-CreateInvalidData OPTIONAL
}
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
OldSP-CreateData ::= SEQUENCE {
    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
}
OldSP-CreateReply ::= SEQUENCE {
    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
                    OCTET STRING(SIZE(1..4)),
    tsap
                    OCTET STRING(SIZE(1..4)),
    ssap
                    OCTET STRING(SIZE(1..4))
    psap
Ŧ
PhoneNumber ::= NumberString(SIZE(10))
RangeNotifyTN-ID-Info ::= CHOICE {
  list-data [0] SET OF TN-VersionId,
  range-data [1] SEQUENCE {
      tn-range TN-Range,
      id-range ID-Range
   }
}
RangeNotifyID-Info ::= CHOICE
   list-data [0] SET OF LnpKey,
  range-data [1] ID-Range
}
RangeStatusAttributeValueChangeInfo ::= SEQUENCE {
version-id [0] RangeNotifyID-Info,
  value-change-info [1] AttributeValueChangeInfo,
failed-service-provs [2] Failed-SP-List OPTIONAL,
   subscription-status-change-cause-code [3] SubscriptionStatusChangeCauseCode
OPTIONAL
Ł
RangeAttributeValueChangeInfo ::= SEQUENCE {
  version-id RangeNotifyID-Info,
  value-change-info AttributeValueChangeInfo
}
RangeObjectCreationInfo ::= SEQUENCE {
  tn-version-id RangeNotifyTN-ID-Info,
   object-info SET OF ObjectInfo
}
RangeCustomerDisconnectDateInfo ::= SEQUENCE {
   tn-version-id [0] RangeNotifyTN-ID-Info,
  customer-disconnect-date [1] GeneralizedTime,
  effective-release-date [2] GeneralizedTime OPTIONAL
}
RangeCancellationAcknowledgeInfo ::= RangeNotifyTN-ID-Info
RangeNewSP-CreateRequestInfo ::= SEQUENCE {
   tn-version-id RangeNotifyTN-ID-Info,
   service-prov-id ServiceProvId,
   service-prov-due-date GeneralizedTime,
   service-prov-authorization-creation-time-stamp GeneralizedTime,
  service-prov-old-authorization ServiceProvAuthorization,
  subscription-status-change-cause-code SubscriptionStatusChangeCauseCode,
  subscription-timer-type [0] Integer OPTIONAL,
  subscription-business-type [1] Integer OPTIONAL
}
RangeOldSP-ConcurrenceRequestInfo ::= SEQUENCE {
   tn-version-id RangeNotifyTN-ID-Info,
   service-prov-id ServiceProvId,
   service-prov-due-date GeneralizedTime,
   service-prov-authorization-creation-time-stamp GeneralizedTime,
   subscription-timer-type [0] Integer OPTIONAL,
  subscription-business-type [1] Integer OPTIONAL
```

```
}
RangeOldSPFinalConcurrenceWindowExpirationInfo ::= SEQUENCE {
   tn-version-id RangeNotifyTN-ID-Info,
  subscription-timer-type [0]Integer OPTIONAL,
  subscription-business-type [1] Integer OPTIONAL
}
RangeNewSP-FinalCreateWindowExpirationInfo ::= SEQUENCE {
  tn-version-id [0] RangeNotifyTN-ID-Info,
 service-prov-id [1] ServiceProvId,
service-prov-due-date [2] GeneralizedTime,
_____service-prov-authorization-creation-time-stamp [3] GeneralizedTime,
  subscription-timer-type [4] Integer OPTIONAL,
   subscription-business-type [5] Integer OPTIONAL,
  new-service-prov-id [6] ServiceProvId,
  service-prov-old-authorization [7] ServiceProvAuthorization,
  subscription-status-change-cause-code [8] SubscriptionStatusChangeCauseCode
OPTIONAL
Ŧ
RecoveryCompleteAction ::= NULL
RecoveryCompleteReply ::= SEQUENCE {
   status ResultsStatus,
    subscriber-data [1] SubscriptionDownloadData OPTIONAL,
    network-data [2] NetworkDownloadData OPTIONAL,
    block-data [3] BlockDownloadData OPTIONAL
ł
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 {
  <u>success(0)</u>
    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, 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 Ł 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-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] 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 {
  value [0] INTEGER,
  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), -- it is assumed this value will not be sent by any
                         -- local system
  npac-sms(3) -- value is only valid for AccessControl definition
}
TN-Range ::= SEQUENCE {
    tn-start NumberString(SIZE(10)),
    tn-stop NumberString(SIZE(4))
Ł
<u>TN-VersionId ::= SEQUENCE {</u>
   t<u>n PhoneNumber</u>,
```

}

version-id SubscriptionVersionId
$\frac{1}{1}$
VersionCancellationAcknowledgeReguest ::= SEQUENCE {
tn PhoneNumber,
version-id LnpKey,
access-control LnpAccessControl
VersionCancellationAcknowledgeRequestRecovery ::= SEQUENCE {
tn PhoneNumber,
version-id LnpKey
<u>VersionCreateConcurrenceRequest ::= SEQUENCE {</u>
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
<pre>VersionCreateConcurrenceRequestRecovery ::= SEQUENCE {</pre>
tn [0] PhoneNumber,
version-id [1] LnpKey,
service-prov-id [2] ServiceProvId,
Service_prov_due_date [3] GeneralizedTime,
subscription-timer-type [5] Integer OPTIONAL,
subscription-business-type [6] Integer OPTIONAL
2
VersionCustomerDisconnectDate :- SECUENCE (
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,
version-id LnpKey,
service-prov-customer-disconnect-date GeneralizedTime,
<u>service-prov-effective-release-date GeneralizedTime OPTIONAL</u>
VersionNewNPA-NXX ::= 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,
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
L
<u></u>
VersionNewSP-CreateRequest ::= SEOUENCE {

VersionNewSP-CreateRequest ::= SEQUENCE {

General ASN. I Deni
version-create-request [0] VersionCreateConcurrenceRequest,
service-prov-old-authorization [1] ServiceProvAuthorization,
subscription-status-change-cause-code [2] SubscriptionStatusChangeCauseCode
<u>VersionNewSP-CreateRequestRecovery ::= SEQUENCE {</u>
<pre>version-create-request [0] VersionCreateConcurrenceRequestRecovery,</pre>
service-prov-old-authorization [1] ServiceProvAuthorization,
subscription-status-change-cause-code [2] SubscriptionStatusChangeCauseCode
<pre>VersionNewSP-FinalCreateWindowExpiration ::= SEQUENCE {</pre>
version-create-request [0] VersionCreateConcurrenceRequest,
<u>new-service-prov-id [1] ServiceProvId,</u>
service-prov-old-authorization [2] ServiceProvAuthorization,
subscription-status-change-cause-code [3]
SubscriptionStatusChangeCauseCode OPTIONAL
<u>VersionNewSP-FinalCreateWindowExpirationRecovery ::= SEQUENCE {</u>
version-create-request [0] VersionCreateConcurrenceRequestRecovery,
new-service-prov-id [1] ServiceProvId,
service-prov-old-authorization [2] ServiceProvAuthorization,
subscription-status-change-cause-code [3]
SubscriptionStatusChangeCauseCode OPTIONAL
\mathbf{F}
<u>VersionOldSP-ConcurrenceRequest ::= VersionCreateConcurrenceRequest</u>
VersionOldSP-ConcurrenceRequestRecovery ::=
<u>VersionCreateConcurrenceRequestRecovery</u>
VersionOldSPFinalConcurrenceWindowExpiration ::= SEQUENCE {
<u>tn PhoneNumber</u>
version-id LnpKey,
access-control LnpAccessControl,
subscription-timer-type [0]Integer OPTIONAL,
subscription-business-type [1] Integer OPTIONAL
\mathbf{F}
VersionOldSPFinalConcurrenceWindowExpirationRecovery ::= SEQUENCE {
tn [0] PhoneNumber,
version-id [1] LnpKey,
subscription-timer-type [2]Integer OPTIONAL,
subscription-business-type [3] Integer OPTIONAL
\mathbf{F}
VersionRangeAttributeValueChange ::= SEQUENCE {
range-attribute-value-change RangeAttributeValueChangeInfo,
access-control LnpAccessControl
\mathbf{F}
Varaias Dange Attailute Value Change Decouvery Decouvery interview to Value Change To fe
<pre>VersionRangeAttributeValueChangeRecovery ::= RangeAttributeValueChangeInfo</pre>
Version Depres Object Creation the SEQUENCE (
VersionRangeObjectCreation ::= SEQUENCE {
<pre>range-object-creation RangeObjectCreationInfo, access-control LnpAccessControl</pre>
\mathbf{L}
VersienRangeObjectCreationReservery RengeObjectCreationInfo
<pre>VersionRangeObjectCreationRecovery ::= RangeObjectCreationInfo</pre>
VersienDengeStatueAttributeVelueChange CROURNOR (
VersionRangeStatusAttributeValueChange ::= SEQUENCE {
range-status-attribute-value-changes RangeStatusAttributeValueChangeInfo,
access-control LnpAccessControl
\mathbf{L}

<pre>VersionRangeStatusAttributeValueChangeRecovery ::= RangeStatusAttributeValueChangeInfo</pre>
<pre>VersionRangeCustomerDisconnectDate ::= SEQUENCE { range-donor-disconnect RangeCustomerDisconnectDateInfo,</pre>
access-control LnpAccessControl
VersionRangeCustomerDisconnectDateRecovery ::= RangeCustomerDisconnectDateInfo
<pre>VersionRangeCancellationAcknowledgeRequest ::= SEQUENCE { tn-version-id RangeNotifyTN-ID-Info, access-control LnpAccessControl }</pre>
VersionRangeCancellationAcknowledgeRecovery ::= RangeNotifyTN-ID-Info
<pre>VersionRangeNewSP-CreateRequest ::= SEQUENCE { range-new-sp-create RangeNewSP-CreateRequestInfo, access-control LnpAccessControl }</pre>
VersionRangeNewSP-CreateRequestRecovery ::= RangeNewSP-CreateRequestInfo
<pre>VersionRangeOldSP-ConcurrenceRequest::= SEQUENCE { range-oldsp-concurrence RangeOldSP-ConcurrenceRequestInfo, access-control LnpAccessControl }</pre>
VersionRangeOldSP-ConcurrenceRequestRecovery ::= RangeOldSP-ConcurrenceRequestInfo
<pre>VersionRangeOldSPFinalConcurrenceWindowExpiration ::= SEQUENCE { range-oldsp-final-concurrence RangeOldSPFinalConcurrenceWindowExpirationInfo, access-control LnpAccessControl</pre>
<u>l</u>
<pre>VersionRangeOldSPFinalConcurrenceWindowExpirationRecovery ::= RangeOldSPFinalConcurrenceWindowExpirationInfo</pre>
<pre>VersionRangeNewSP-FinalCreateWindowExpiration ::= SEQUENCE { range-newsp-final-create RangeNewSP-FinalCreateWindowExpirationInfo, access-control LnpAccessControl }</pre>
<pre>VersionRangeNewSP-FinalCreateWindowExpirationRecovery ::= RangeNewSP- FinalCreateWindowExpirationInfo</pre>
<pre>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) }</pre>
<pre>VersionStatusAttributeValueChange ::= SEQUENCE {</pre>
<pre>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</pre>

}

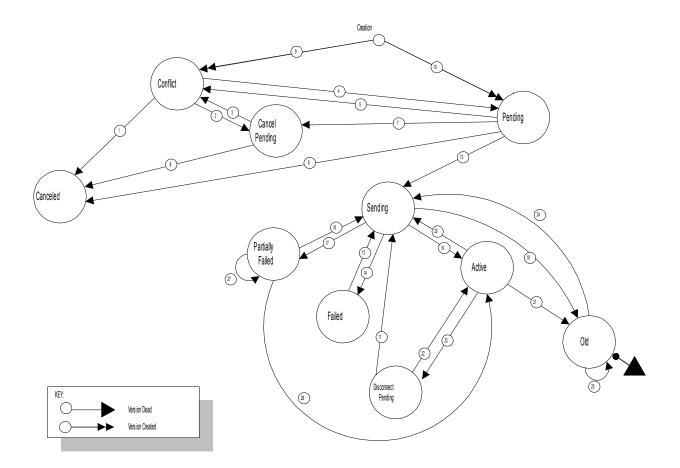
}

END -- LNP-ASN1

--multipart-boundary--



8 Subscription Version Status



	Subscription 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 request 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.	
		SOA to NPAC SMS	User sends a cancellation request for a Subscription Version	

Interaction Name	Туре	us Interaction Descriptions Description
	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	 User sets a Subscription Version with a status of pending to conflict. 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.
	SOA to NPAC SMS Interface - Old Service Provider	Old Service Provider sends a Subscription Version creation on 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	 NPAC SMS automatically sets a pending Subscription Version to canceled after authorization for the transfer of service has not been received from the new Service Provider within a tunable timeframe. NPAC SMS automatically sets a pending Subscription Version to canceled if an activation request is not receive a tunable amount of time after new Service Provider due date.
Pending to Cancel Pending	NPAC Operations Interface - NPAC Personnel SOA to NPAC SMS Interface	User cancels a Subscription Version with a status of pending that has been created/concurred by both Service Providers. Service Provider User sends a cancellation request for a Subscription Version with a status of pending that has
Cancel Pending to Canceled	NPAC SMS Internal	Subscription Version with a status of pending that has been concurred by the other Service Provider. 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 Provider
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.

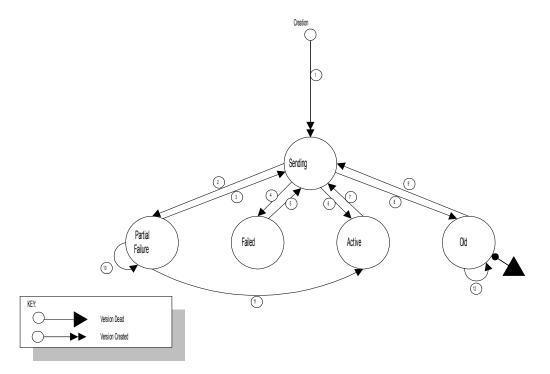
		-	us Interaction Descriptions
#	Interaction Name	Туре	Description
		SOA to NPAC SMS Interface - Old Service Provider	User sends an old Service Provider Subscription Version creation request and does not provide authorization for the transfer of service.
	Creation -	NPAC Operations	User creates a Subscription Version for either the new or old
	Set to Pending	Interface - NPAC Personnel	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 SOA to NPAC SMS	User activates a pending Subscription Version for a Subscription Version with a new Service Provider due date less than or equal to today. New Service Provider User sends an activation message for a
		Interface - New Service Provider	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 all Local SMSs successfully completes. Disconnects that fail on one or more, but not all, Local SMSs will also be set to old.
	Sending to Active	NPAC SMS Internal	 NPAC SMS automatically sets a sending Subscription Version to active after the Subscription Version activation is successful in all of the Local SMSs. 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. NPAC SMS automatically sets a sending Subscription Version to active after a failure to all Local SMSs on a disconnect.
	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.
		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	NPAC SMS Internal	NPAC SMS automatically sets the currently active

#	Interaction Name	Туре	Description
			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 occurs before the old.
	Disconnect Pending to Active	NPAC Operations Interface - NPAC Personnel	User cancels a Subscription Version with a disconnect pending 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 a 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 failure or failure of a port-to-original Subscription Version.
	Old to Old	NPAC SMS Internal	NPAC SMS automatically sets a Subscription Version from ol to old after one or more previously failed Local SMSs successfully disconnect a Subscription Version, as a resul of an audit or LSMS recovery. The Failed_SP_List is updated to reflect the updates to the previously failed SPs
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_Lis 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 not 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.

9

9 Number Pool Block Status

In the following table, the reference to "Number Pool Block" data when broadcasting to an LSMS is based on that



Service Provider's EDR Indicator (i.e., Number Pool Block object or Subscription Versions with LNP Type of POOL).

	Number	Pool Block Version S	tatus Interaction Descriptions
#	Interaction Name	Туре	Description
	Creation -	NPAC SMS Internal	NPAC SMS creates a Number Pool Block for the Block Holder
	Set to Sending		Service Provider.
		NPAC Operations	User sends a Number Pool Block creation request for the
		Interface - NPAC	Block Holder Service Provider.
		Personnel	
		SOA to NPAC SMS	The Service Provider User sends a Number Pool Block
		Interface - Block	creation request for itself (the Block Holder Service
		Holder Service	Provider).
		Provider	
	Sending to	NPAC SMS Internal	NPAC SMS automatically sets a Number Pool Block from
	Partial Failure		sending to partial failure after one or more, but not all, of
			the Local SMSs fail the Number Pool Block activation
			after the tunable retry period expires.
	Partial Failure to Sending	NPAC Operations	User re-sends a partial failure Number Pool Block.
		Interface - NPAC	
		Personnel	
	Sending to	NPAC SMS Internal	NPAC SMS automatically sets a Number Pool Block from

		r Pool Block Version S	Status Interaction Descriptions
#	Interaction Name	Туре	Description
	Failed		sending to failed after all Local SMSs fail Number Pool
			Block activation after the tunable retry period expires.
	Failed to	NPAC Operations	User re-sends a failed Number Pool Block.
	Sending	Interface - NPAC	
		Personnel	
	Sending to Active	NPAC SMS Internal	 NPAC SMS automatically sets a sending Number Pool Block to active after the Number Pool Block activation is successful in all of the Local SMSs. NPAC SMS automatically sets a sending Number Pool Block to active after the Number Pool Block modification is broadcast to all of the Local SMSs and either all have responded or retries have been exhausted. NPAC SMS automatically sets a sending Number Pool Block to active after a failure to all Local SMSs on a de- pool.
	Active to	NPAC Operations	1. User de-pools an active Number Pool Block.
	Sending	Interface - NPAC	2. User modifies an active Number Pool Block.
	0	Personnel	3. User resends a failed de-pool or modify Number Pool Block.
		SOA to NPAC SMS Interface - Block Holder Service Provider	User modifies an active Number Pool Block.
	Sending to Old	NPAC SMS Internal	 NPAC SMS automatically sets a sending Number Pool Block to old after a de-pool to all Local SMSs successfully completes. NPAC SMS automatically sets a sending Number Pool Block to old after a de-pool that fails on one or more, but not all Local SMSs.
	Old to Sending	NPA Operations Interface – NPAC Personnel	User re-sends a partial failure of a de-pool.
10	Partial Failure to Partial Failure	NPAC SMS Internal	NPAC SMS automatically sets a Number Pool Block from partial failure to partial failure after one or more, but not all previously failed Local SMSs successfully activate a Number Pool Block, as a result of an audit or LSMS recovery. The Failed_SP_List is updated to reflect the updates to the previously failed SPs.
11	Partial Failure to Active	NPAC SMS Internal	NPAC SMS automatically sets a Number Pool Block from partial failure to active after all previously failed Local SMSs successfully activate a Number Pool Block, as a result of an audit or LSMS recovery. The Failed_SP_List is updated to reflect the updates to the previously failed SPs.
12	Old to Old	NPAC SMS Internal	NPAC SMS automatically sets a Number Pool Block from old to old after one or more previously failed Local SMSs successfully de-pools a Number Pool Block, as a result of an audit or LSMS recovery. The Failed_SP_List is updated to reflect the updates to the previously failed SPs.