**Origination Date:** 06/05/18

**Originator:** iconectiv

### Change Order Number: NANC 522

**Description:** BDD Files SSN Field

**Functional Backwards Compatible:** Yes

**IMPACT/CHANGE ASSESSMENT**

|  |  |  |
| --- | --- | --- |
| DOC | FRS | IIS |
| Y | N |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| CMIP | GDMO | ASN.1 | iconectiv NPAC | SOA | LSMS |
| N | N | Y | N | N |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| XML | XIS | XSD | iconectiv NPAC | SOA | LSMS |
| N | N | Y | N | N |

**Business Need**

iconectiv implemented BDD Files based on FRS requirements as well as example BDD File layouts in Appendix E of the FRS. Some users of full SV and Number Pool Block BDD Files have indicated that the format of the SSN field when output to the file when the file was obtained from the previous LNPA was a single digit ‘0’, while the iconectiv implementation outputs 3 numeric digits ‘000’ for the SSN field. In order to decrease both the size of full BDD files and the time to process the files, users would prefer the BDD files contain a single digit ‘0’ for the BDD files (note, in the US, the SSN field associated with a DPC is always ‘000’). See PIM 106.

**Description of Change:**

**FRS Changes:**

Update Appendix E, Download File Examples for the Subscription and Block Download files to indicate that SSN field is a single digit ‘0’

**Subscription Download File**

[snip]

The file contents for the Subscription download file will be specific for the following indicators, based on the system type (SOA or LSMS) that is requesting the BDD File. If support is TRUE, it will include pipes with the supplied value or blank (if no value was specified). If support is FALSE, it will NOT contain empty pipes as placeholders::

* 1. SOA supports WSMSC
  2. SOA supports SV Type
  3. SOA supports Optional parameters
  4. LSMS supports WSMSC
  5. LSMS supports SV Type
  6. LSMS supports Optional parameters

Note, whenever any SSN field is output to the file, if the SSN field on the SV in the NPAC is ‘000’, it will be output to the file as a single charcter ‘0’.

The Subscriptions file given in the example would be named:

303123-303125.25-12-1996081122.25-12-1996080000.25-12-1996125959

1|3031231000|1234567890|0001|19960916152337|

123123123|123 |123123123|123|123123123|123|123123123|123|

123456789012|12|0001|0|0||||||||||(CR) (end of subscription 1)

2|3031241000|1234567891|0001|19960825011010|

123123123|123 |123123123|123|123123123|123|123123123|123|

123456789013|13|0001|0|0||||||||||(CR) (end of subscription 2)

3|3031251000|1234567892|0001|19960713104923|

123123123|123 |123123123|123|123123123|123|123123123|123|

123456789014|13|0001|0|0||||||||||(CR) (end of subscription 3)

Figure E–1 -- Subscription Download File Example

| **Explanation of the fields in the subscription download file** | | |
| --- | --- | --- |
| **Field Number** | **Field Name** | **Value in Example** |
| 1 | Version Id | 1 |
| 2 | Version TN | 3031231000 |
| 3 | LRN | 1234567890 |
| 4 | New Current Service Provider Id | 0001 |
| 5 | Activation Timestamp | 19960916152337 (yyyymmddhhmmss) |
| 6 | CLASS DPC | 123123123 (This value is 3 octets) |
| 7 | CLASS SSN | 123 (This value is 1 octet and ~~usually set to~~ if the value on the SV is 000, it will appear in the file as a single 0) |
| 8 | LIDB DPC | 123123123 (This value is 3 octets) |
| 9 | LIDB SSN | 123 (This value is 1 octet and ~~usually set to~~ if the value on the SV is 000, it will appear in the file as a single 0) |
| 10 | ISVM DPC | 123123123 (This value is 3 octets) |
| 11 | ISVM SSN | 123 (This value is 1 octet and ~~usually set to~~ if the value on the SV is 000, it will appear in the file as a single 0) |
| 12 | CNAM DPC | 123123123 (This value is 3 octets) |
| 13 | CNAM SSN | 123 (This value is 1 octet and ~~usually set to~~ if the value on the SV is 000, it will appear in the file as a single 0) |
| 14 | End user Location Value | 123456789012 |
| 15 | End User Location Type | 12 |
| 16 | Billing Id | 0001 |
| 17 | LNP Type | 0 |
| 18 | Download Reason | 0 |
| 19 | WSMSC DPC | Not present if LSMS or SOA does not support the WSMSC DPC as shown in this example. If it were present the value would be in the same format as other DPC data. |
| 20 | WSMSC SSN | Not present if LSMS or SOA does not support the WSMSC SSN as shown in this example. If it were present the value would be in the same format as other SSN data. |
| 21 | SV Type | Not present if LSMS or SOA does not support the SV Type as shown in this example. If it were present the value would be as defined in the SV Data Model. |
|  | Optional Data parameters (e.g., Alternative SPID, Alt-Billing ID, SMS URI) within the Optional Data Field are included/excluded based on a combination of the region’s support for a specific parameter AND the requesting Service Provider’s NPAC Customer profile settings at the time of BDD file generation.  The order of the included parameters is based on the latest version of the LNP XML schema that is available on the NPAC website ([www.npac.com](http://www.npac.com), under the software releases section). | |
| 22+ | Last Activity Timestamp | 19960916152337.123 (yyyymmddhhmmss.fff)  Not present if LSMS or SOA does not support the Last Activity TS as shown in this example. If it were present the value would be in Timestamp format (and include milliseconds). |

Table E–1 -- Explanation of the Fields in the Subscription Download File

[snip]

**Block Download File**

[snip]

The Block file given in the example would be named:

3031235-3031252.17-09-1996153344.11-07-1996091222.17-09-1996153344

The file contents for the Block download file will be specific for the following indicators, based on the system type (SOA or LSMS) that is requesting the BDD File. If support is TRUE, it will include pipes with the supplied value or blank (if no value was specified). If support is FALSE, it will NOT contain empty pipes as placeholders::

* 1. SOA supports SV Type
  2. SOA supports Optional parameters
  3. LSMS supports SV Type
  4. LSMS supports Optional parameters

The file contents for the Block download file will always contain pipes for the following indicators, based on the system type (SOA or LSMS) that is requesting the BDD File. If support is TRUE, it will include the supplied value or blank (if no value was specified). If support is FALSE, it will always contain empty pipes as placeholders:

* 1. SOA supports WSMSC
  2. LSMS supports WSMSC

Note, whenever any SSN field is output to the file, if the SSN field on the SV in the NPAC is ‘000’, it will be output to the file as a single character ‘0’.

The files available for LSMS compares will be defined as one or more NPA-NXX-Xs per file.

1|3031231|1234567890|0001|19960916152337|123123123|123|123123123|

123|123123123|123|123123123|123|||0|||||||||(CR) (end of Block 1)

2|3031241|1234567891|0001|19960825011010|123123123|123|123123123|

123|123123123|123|123123123|123|||0|||||||||(CR) (end of Block 2)

3|3031251|1234567892|0001|19960713104923|123123123|123|123123123|

123|123123123|123|123123123|123|||0|||||||||(CR) (end of Block 3)

Figure E–6 -- Block Download File Example

| **Explanation of the fields in the BLOCK download file** | | |
| --- | --- | --- |
| **Field Number** | **Field Name** | **Value in Example** |
| 1 | Block Id | 1 |
| 2 | NPA-NXX-X | 3031231 |
| 3 | LRN | 1234567890 |
| 4 | New Current Service Provider Id | 0001 |
| 5 | Activation Timestamp | 19960916152337 (yyyymmddhhmmss) |
| 6 | CLASS DPC | 123123123 (This value is 3 octets) |
| 7 | CLASS SSN | 123 (This value is 1 octet and ~~usually set to~~ if the value on the SV is 000, it will appear in the file as a single 0) |
| 8 | LIDB DPC | 123123123 (This value is 3 octets) |
| 9 | LIDB SSN | 123 (This value is 1 octet and ~~usually set to~~ if the value on the SV is 000, it will appear in the file as a single 0) |
| 10 | ISVM DPC | 123123123 (This value is 3 octets) |
| 11 | ISVM SSN | 123 (This value is 1 octet and ~~usually set to~~ if the value on the SV is 000, it will appear in the file as a single 0) |
| 12 | CNAM DPC | 123123123 (This value is 3 octets) |
| 13 | CNAM SSN | 123 (This value is 1 octet and ~~usually set to~~ if the value on the SV is 000, it will appear in the file as a single 0) |
| 14 | WSMSC DPC | 123123123 (This value is 3 octets) |
| 15 | WSMSC SSN | 123 (This value is 1 octet and ~~usually set to~~ if the value on the SV is 000, it will appear in the file as a single 0) |
| 16 | Download Reason | 0 |
| 17 | SV Type | Not present if LSMS or SOA does not support the SV Type as shown in this example. If it were present the value would be as defined in the NPB Data Model. |
|  | Optional Data parameters (e.g., Alternative SPID, Alt-Billing ID, SMS URI) within the Optional Data Field are included/excluded based on a combination of the region’s support for a specific parameter AND the requesting Service Provider’s NPAC Customer profile settings at the time of BDD file generation.  The order of the included parameters is based on the latest version of the LNP XML schema that is available on the NPAC website ([www.npac.com](http://www.npac.com), under the software releases section). | |
| 18+ | Last Activity Timestamp | 19960916152337.123 (yyyymmddhhmmss.fff)  Not present if LSMS or SOA does not support the Last Activity TS as shown in this example. If it were present the value would be in Timestamp format (and include milliseconds). |

Table E–6 -- Explanation of the Fields in the Block Download File