**Origination Date:** 03/31/16

**Originator:** 10x People

### Change Order Number: NANC 483

**Description:** FRS – Doc-only BDD Notification File

**Functional Backwards Compatible:** Yes

**IMPACT/CHANGE ASSESSMENT**

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| CMIP | GDMO | ASN.1 | **NPAC** | SOA | LSMS |
| N | N | N | N | N |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| XML | XIS | XSD | **NPAC** | SOA | LSMS |
| N | N | N | N | N |

**Business Need**

Documentation update for the BDD Notification File.

**Description of Change:**

Changes detailed below.

FRS:

Notifications Download File

The Notification download file contains records for notifications as they are defined in the IIS. Each record contains required and optional attributes and data is logged at the time of notification generation based on the reason the notification was generated as well as NPAC Customer profile settings. The inclusion of TN/TN Range/NPA-NXX-X in respective notifications is not dependent on the NPAC Customer settings for Subscription Version TN Attribute Flag and Number Pool Block NPA-NXX-X Attribute Flag indicators.

The Notifications download file example (Figure E- 8 – Notification Download File Example, below) contains two records in the file, individual fields are pipe delimited, with a carriage return (CR) after each Notification record. The breaks in the lines and the parenthesized comments are solely for ease of reading and understanding.

The “Value in Example” column in Table E-7 directly correlates to the values for the hypothetical Notification in the download file example, as seen in Figure E-8.

The file name for the Notifications download file will be in the format:

 Notifications.DD-MM-YYYYHHMMSS.DD-MM-YYYYHHMMSS.DD-MM-YYYYHHMMSS (The Notifications portion is the literal string " Notifications".)

The first timestamp in the filename is the time the download begins. The second and third timestamps are the beginning and ending time ranges respectively.

The Notifications file given in the example would be named:

 Notifications.15-10-2004081122.12-10-2004080000.13-10-2004133022

The file contents for the Notifications 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 Data attributes and associated parameters

In the download file each notification can be identified by the combination of the Notification ID and Object ID fields. LNP specific notifications are defined with a unique Notification ID in the GDMO however some notifications sent across the interface are CMIP primitives and do not have unique Notification IDs. In order to uniquely identify these notifications in the download file, the original CMIP primitive Notification ID has been augmented with a 1000-series number to create a unique Notification ID/Object ID combination. For example, the subscriptionVersionNPAC-ObjectCreation notification is a CMIP primitive notification that uses a Notification ID of (6) and Object ID of (21) across the interface. At the same time the LNP specific notification, subscriptionVersionDonorSP-CustomerDisconnectDate as defined in the GDMO uses the same Notification ID and Object ID. In order to uniquely identify the subscriptionVersionNPAC-ObjectCreation notification for the download file we have augmented the Notification ID to a 1000-series number of, (1006). The Object ID remains the same (21). The affected notifications are:

1. SubscriptionVersionNPAC-ObjectCreation (Notification ID 1006, Object ID 21)
2. SubscriptionVersionNPAC-attributeValueChange (Notification ID 1001, Object ID 21)
3. SubscriptionAudit-objectCreation (Notification ID 1006, Object ID 19)
4. Subscription Audit-objectDeletion (Notification ID 1007, Object ID 19)
5. NumberPoolBlock-objectCreation (Notification ID 1006, Object ID 30)
6. NumberPoolBlock-attributeValueChange (Notification ID 1001, Object ID 30)

Data for the following attributes are included if the attribute is supported at the time of BDD file generation. If the Service Provider supports that attribute at the time of BDD file generation the attribute is included with values. If the Service Provider does not support that attribute at the time of BDD file generation the attribute *is not included (no empty pipe placeholder)*.

1. WSMSC DPC
2. WSMSC SSN
3. SV Type
4. Optional Data (with applicable parameters within this attribute)

In certain NPAC operation scenarios where both AVC and SAVC notifications are generated for a CMIP SPID (e.g., modify pending SV to conflict), only an AVC notification is generated for an XML SPID. The AVC notification that is sent to the SPID over the XML interface will include the status and cause code. To allow for backward compatibility of the BDD, the BDD file will contain the following, even for an XML SPID:

 - One line for AVC without the status and cause code

 - One line for SAVC with the status and cause code

In NPAC audit operation scenarios where both subscriptionAudit-DiscrepancyRpt and subscriptionAuditResults notifications are generated for a CMIP SPID, only a subscriptionAuditResults notification is generated for an XML SPID. The subscriptionAuditResults notification that is sent to the SPID over the XML interface will include the discrepant LSMSs. To allow for backward compatibility of the BDD, the BDD file will contain the following, even for an XML SPID:

 - One audit results notification, and

 - One audit discrepancy notification for each discrepant LSMS