**Origination Date:** 08/22/17

**Originator:** iconectiv

### Change Order Number: NANC 504

**Description:** Recovery of Modified SVs

**Functional Backwards Compatible:** Yes

**IMPACT/CHANGE ASSESSMENT**

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

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

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

**Business Need**

Current NPAC SMS Specifications on Recovery of SVs that were modified are not clear on the data that is recoverd. Clarity is needed so that CMIP LSMS Users can successfully recover SVs that were modified when the LSMS was down.

This item was discussed at several points both pre and post transition. The final disposostion was resulting from the closure of Action Item 11062018-04 (see below). The change order was originally accepted but later marked not accepted due to its potential impacts to the transition and due to the lack of definitive value. It was later revisited post transition.

**11062018-04:** Local System vendors to provide feedback on whether PIM 102 (Change Order 504) is still needed and if there is value in getting the object information during the modify (related to AI 09122017-05). Conclusion was not to proceed with this effort.

**March 2019 TOSC meeting:** This change order will be accepted and immediately closed for the purpose of providing historical information regarding this issue and to provide continuity regarding NANC Change Order numbering.

**Description of Change:**

Changes detailed below.

Requirements:

**FRS Changes:**

**RR6-133 Subscription Version Recovery**

NPAC SMS shall, for a recovery of subscription data, allow the Local SMS to recover a Subscription Version with all current attributes, regardless if the Service Provider is or is not on the Failed SP List. (previously NANC 227/254, Req 3)

Note: for recovery of SVs that were modified, all attributes in the SV (including supported Optional XML data fields that are populated) will be sent to accommodate object creation in provider systems. If no supported optional data fields are populated, the Optional XML Field string is omitted entirely. If a Modify operation removed a value from an Optional XML field, it is included in the string with a value of nil.

**GDMO Changes:**

In the lnpDownload Action, lnpDownloadBehavior section:

…

An LSMS may receive subscription version or number pool block data during recovery, where one or activities occurred for a given subscription version or number pool block during the time the LSMS was not available. Multiple activities such as a create followed by a modify of an SV can occur when NPAC Personnel via the OpGUI, exclude a Service Provider from the Failed SP List to allow the current Service Provider to perform some type of subsequent activity on that subscription version or number pool block.  Hence, when the LSMS performs recovery, the recovered data will contain data for both activities (all current attributes, even when the LSMS is recovering a single activity such as an SV modify).  So, if the recovering LSMS is recovering a modified subscription version or number pool block for which it did not receive the initial M-CREATE, the download reason is set to 'modified' for this subscription version or number pool block object.

**IIS Changes:**

Section 5.3.4 of the IIS, on Recovery, the third Paragraph:

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. When modified SVs are recovered, all populated attributes of the SV are recovered to support object creation if needed in local systems.