**Origination Date:** 8/22/17

**Originator:** iconectiv

### Change Order Number: NANC 510

**Description:** Network Data Delete Recovery

**Functional Backwards Compatible:** Yes

**IMPACT/CHANGE ASSESSMENT**

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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 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**

When recovering – either using SWIM or time-based recovery – network data that have a download reason indicating the object was deleted, some local systems expect to receive a value for the optional service-prov-npa-nxx-value/service-prov-lrn-value/service-prov-npa-nxx-x attribute, even though the attribute is not included in non-recovery download messages to delete network data. Also see PIM 98.

**Description of Change:**

Changes detailed below.

GDMO:

GDMO Behavior (changed text in yellow highlights)

-- 1.0 LNP Download Action

lnpDownload ACTION

 BEHAVIOUR

 lnpDownloadDefinition,

 lnpDownloadBehavior;

 MODE CONFIRMED;

 WITH INFORMATION SYNTAX LNP-ASN1.DownloadAction;

 WITH REPLY SYNTAX LNP-ASN1.DownloadReply;

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

[snip]

lnpDownloadBehavior BEHAVIOUR

 DEFINED AS !

 [snip]

 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 provider profile NPAC Customer

 SOA NPA-NXX-X Indicator.

In response messages from the NPAC where network data with a DownloadReason of delete1 is returned to the local system (SOA or LSMS), the NPAC will populate the optional service-prov-npa-nxx-value (NPA-NXX recovery), service-prov-lrn-value (LRN recovery), and service-prov-npa-nxx-x (NPA-NXX-X recovery) attributes. Unless otherwise specified, the local system should not expect other optional attributes for NPA-NXX, LRN, and NPA-NXX-X objects to be populated in the recovery response from NPAC when the DownloadReason is delete1. This applies to both SWIM and non-SWIM recovery methods.

 [snip]