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

**Originator:** iconectiv

### Change Order Number: NANC 512

**Description:** SP Recovery Request RDN

**Functional Backwards Compatible:** Yes

**IMPACT/CHANGE ASSESSMENT**

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

Some local systems specify the incorrect base object instance in lnpDownload M-ACTION requests to the NPAC SMS. Rather than specifying the identifier of the lnpNetwork object when recovering network data, the local system specifies the identifier of a serviceProv object. The change modifies NPAC SMS process to allow for this specific exception to the expected base object instance. Also see PIM 100.

**Description of Change:**

Changes detailed below.

IIS:

Section 4.1.1. Exhibit 8. Primary NPAC Mechanized Interface Operations Table

| Function | Direction (To/From) | CMIP Operation | Referenced Object Type |
| --- | --- | --- | --- |
| [snip] |  |  |  |
| Network Data Download | from LOCAL SMS  or  from SOA | M-ACTION: lnpDownload  or  M-GET: scoped and filtered for intended serviceProvLRN, serviceProvNPA-NXX serviceProvNPA-NXX-X, service provider attributes | lnpNetwork1 |
| [snip] |  |  |  |

1. The NPAC SMS will support an exception to lnpDownload M-ACTION requests that allows for the base object instance to specify a serviceProv object, rather than the lnpNetwork object. Base object class is always expected to be lnpNetwork.

GDMO:

GDMO Behavior (changed text in yellow highlights)

-- 11.0 LNP Network Managed Object Class

lnpNetwork MANAGED OBJECT CLASS

[snip]

lnpNetworkBehavior 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 exist and it will only be

created at startup of the CMIP agent software on the NPAC SMS

the Local SMS or SOA.

The lnpDownloadPkg will only be used for an lnpNetwork object

instantiated on the NPAC SMS. This package is used for initiating

downloading of NPA-NXX and LRN object creation or deletion to the Local

SMS (Data Download Association Function). Also, the package is used for

initiating downloading of NPA-NXX-X object creation, modification, or

deletion to the Local SMS (Data Download Association Function). While the base object instance specified in lnpDownload requests should specify the instance of lnpNetwork with lnpNetworkName of "lnpNetwork", the NPAC SMS will also support a base object instance that specifies the distinguished name of a serviceProv managed object instance. The base object class of lnpDownload requests for NPA-NXX, LRN, and NPA-NXX-X is always expected to be lnpNetwork.

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