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

**Originator:** iconectiv

### Change Order Number: NANC 513

**Description:** LSMS Query Response Attributes

**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 LSMS systems return attributes that are applicable only to the NPAC SMS view of Subscription Versions and Number Pool Blocks when queried by the NPAC SMS as part of audit processing. To avoid changes to local systems, the NPAC SMS will permit these attributes to be present in M-GET replies received by the NPAC SMS during audit processing, but the NPAC SMS will not use such extra attributes during audit processing. Also see PIM 101.

**Description of Change:**

Changes detailed below.

IIS:

New Section: 4.10 LSMS Responses to Queries Initiated by NPAC SMS

As described in Section 4.1.1, when Subscription Versions are downloaded to the Local SMS, the subscriptionVersion is the object class referenced in the download messages, and when Number Pool Blocks are downloaded to the Local SMS, the numberPoolBlock is the object class referenced in the download messages. During audit processing, the NPAC SMS compares only the attributes defined for these objects against the attributes in the corresponding NPAC SMS subscriptionVersionNPAC and numberPoolBlockNPAC objects. The NPAC SMS will accept attributes defined only for subscriptionVersionNPAC and numberPoolBlockNPAC objects in M-GET replies from the Local SMS, but the NPAC SMS will ignore such attributes and not consider them during audit processing.

GDMO:

GDMO Behavior (changed text in yellow highlights)

-- 20.0 LNP subscription Version Managed Object Class

subscriptionVersion MANAGED OBJECT CLASS

[snip]

subscriptionVersionBehavior BEHAVIOUR

DEFINED AS !

Local SMS Managed Object used for the NPAC SMS to Local SMS

Interface.

[snip]

Filtering Support for M-GET:

TN Query with greaterOrEqual and lessOrEqual, and equality must be

supported for auditing. The fields used with greaterOrEqual and

lessOrEqual filters are subscriptionTN and

subscriptionActivationTimeStamp. The field used with equality is

subscriptionTN. Filters supported contain either a greaterOrEqual and

lessOrEqual filter, or equality filter, for subscriptionTN only or a

more complex filter. The more complex filter uses two criteria for

filtering. The first criteria used is greaterOrEqual and lessOrEqual

filters with subscriptionTN. The second criteria uses greaterOrEqual

and lessOrEqual filters for subscriptionActivationTimeStamp. Both

criteria must be matched for the data being queried (logical and).

For responses to M-GET requests, the NPAC SMS will permit attributes from the subscriptionVersionNPAC object class to be specified in the message. However, the NPAC SMS will ignore all attributes applicable only to the subscriptionVersionNPAC object class during audit processing.

[snip]

-- 29.0 Number Pool Block Data Managed Object Class

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numberPoolBlock MANAGED OBJECT CLASS

[snip]

numberPoolBlock-Behavior BEHAVIOUR

DEFINED AS !

[snip]

Filtering Support for M-GET:

Number Pool Block Query with greaterOrEqual and lessOrEqual, and

equality for EDR support. The fields used with greaterOrEqual and

lessOrEqual filters are numberPoolBlockNPA-NXX-X and

numberPoolBlockActivationTimeStamp. The field used with equality is

numberPoolBlockNPA-NXX-X. Filters supported contain either a

greaterOrEqual and lessOrEqual filter, or equality filter, for

numberPoolBlockNPA-NXX-X only or a more complex filter. The more

complex filter uses two criteria for filtering. The first criteria used

is equality filter with numberPoolBlockNPA-NXX-X. The second criteria

uses greaterOrEqual and lessOrEqual filters for

numberPoolBlockActivationTimeStamp. Both criteria must be matched for

the data being queried (logical and). The scope for the filters is

level 1 only with a base managed object class of lnpSubscriptions.

For responses to M-GET requests, the NPAC SMS will permit attributes from the numberPoolBlockNPAC object class to be specified in the message. However, the NPAC SMS will ignore all attributes applicable only to the numberPoolBlockNPAC object class during audit processing.

[snip]

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