**Origination Date:** 07/10/15

**Originator:** iconectiv

### Change Order Number: NANC 463

**Description:** IIS/EFD Doc-Only Clarifications

**Functional Backwards Compatible:** Yes

**IMPACT/CHANGE ASSESSMENT**

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 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 updates.

**Description of Change:**

Changes detailed below.

IIS:

NPAC SMS (changed text in yellow highlights)

IIS, Section 5.2.1.9, Recovery Mode.

A value of failure is returned when a RecoveryCompleteAction is sent and the Service provider is not in recovery mode.

IIS, Section 5.3.1.1, NpacAssociationUserInfo.

The following structure will be used to report the status of a login attempt or the current state of the NPAC SMS:

NpacAssociationUserInfo ::= SEQUENCE {

error-code [0] IMPLICIT ErrorCode,

error-text [1] IMPLICIT GraphicString(SIZE(1..80))

}

ErrorCode ::= ENUMERATED

{

success (0),

access-denied (1)

retry-same-host (2)

try-other-host (3)

new-bind-received (4)

}

IIS, Section 4.7, Number Pool Block M\_DELETE Messages.

Subsequent porting of number pooled blocks isn’t supported in the NPAC SMS, therefore, M\_DELETE commands are not sent for number pool blocks set to old as a result of subsequent porting activity. M\_DELETEs for number pool blocks are only sent as a result of de-pool. Local SMS systems are responsible for deletion of the number pool blocks in their Local SMS database due to the fact that some LSMS implementations may choose to retain old number pool blocks in their database.

IIS, Section 5.3.4, ‘SWIM-Based’ Recovery Requests.

The SOA or LSMS is capable of recovering data based on the association functions. The SOA recovers service provider data and network data using the data download association function (dataDownload). The SOA recovers ~~service provider, network data and~~ notification data using the network data management association function (networkDataMgmt). The LSMS recovers service provider data and network data, ~~notifications and~~ subscription data, and number pool block using the data download association function (dataDownload), and recovers ~~service provider and network~~ notification data using the network data management association function (networkDataMgmt). If a SOA supports a separate SOA channel, the SOA recovers notification data using the notification download association function (notificationDownload).

After the Service Provider system receives an ACTION Response from the NPAC SMS indicating a status of Success and an ACTION\_ID, the Service Provider system must issue an M-EVENT-REPORT notification including the most recent ACTION\_ID in order for the NPAC SMS to clear this last set of (linked reply) data that was downloaded and processed, from the SWIM list for this data type and continue the recovery processing. If the Service Provider system returns an invalid ACTION\_ID, the NPAC SMS will abort the association. A failure status in the SWIM Recovery Results Notification indicates the SOA/LSMS was not successful in processing the data in the prior SWIM DownloadReply. This data associated with the action ID will not be removed from the SWIM list when the SOA/LSMS sends the failure status. The M-EVENT-REPORT reply from the NPAC SMS will contain one of the following responses:

EFD, Flow B.4.4.24, Number Pool Block De-Pool Successful Broadcast of Subscription Version and Number Pool Block Deletes.

In this scenario, the NPAC personnel have initiated the “de-pool” of a block of TNs.  The NPAC SMS already has the numberPoolBlock in the “sending” state.

In this scenario, the NPAC SMS will send all the M-DELETE requests for the number pool block to the Local SMSs and get successful replies to all the requests.

In this scenario, the NPAC SMS will send all the M-DELETE requests for the number pool block to the Local SMSs and the Donor Disconnect Notification to the SOA at the same time.

EFD, Flow B.5.4.1, SubscriptionVersion Immediate Disconnect.

The current service provider can disconnect an active subscription version.  In this scenario, the disconnect is immediate.

NOTE: The “Donor SOA” is the SOA of the donor service provider.

NOTE: The “donor service provider” is the NPA-NXX Holder, or in cases of a TN within a Number Pool Block, it is the NPA-NXX-X Holder.

NOTE: The M-DELETE requests to the Local SMSs and the Donor Disconnect Notification to the SOA are sent at the same time.

EFD, Narrative B.7, Local SMS and SOA Recovery.

For data deleted prior to recovery, the delete message will be recovered in the recovery request window of the delete.