**Origination Date:** 09/12/18

**Originator:** iconectiv

### Change Order Number: NANC 531

**Description:** Recovery and Roll-up

**Functional Backwards Compatible:** Yes

**IMPACT/CHANGE ASSESSMENT**

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

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

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

**Business Need**

During the transition of the NPAC, it was identified that the implementation of the Roll-up of subscription version and/or number pool block broadcasts while an LSMS(s) is in recovery in the iconectiv NPAC was different than the implementation in the Neustar NPAC. The iconectiv implementation was based on the IIS that indicated roll-up is delayed while an LSMS is in recovery, while the Neustar implementation completed roll-up as normal regardless if any LSMSs are in recovery. To normalize roll-up behavior regardless of LSMSs being active or in recovery, the IIS should be updated to indicate roll-up behavior is not delayed if an LSMS(s) is in recovery. Also see PIM 112.

**Description of Change:**

Changes detailed below.

IIS Changes:

Modify Section 5.3.4 of the IIS, second paragraph, to indicate SV/Block broadcast roll-ups are not delayed if LSMS(s) are in recovery.

[snip]

**Section 5.3.4 Recovery**

The SOA and Local SMS associations are viewed to be permanent connections by the NPAC SMS. Thus when the association is broken for any reason, the system connecting to the NPAC SMS must assume responsibility to recover and resynchronize themselves with the NPAC SMS. One association should be established for recovery and no other associations should be established in normal mode until recovery is complete.

During the recovery processing, other messages may be generated at the NPAC SMS that are intended for the recovering SOA or LSMS. These messages are queued on the NPAC SMS until the SOA or LSMS finishes the recovery process and sends an lnpRecoveryComplete action to the NPAC SMS. Additionally, during the recovery process, the “x by y” retry functionality (where “x” is the number of attempts, and “y” is the interval in number of minutes in between attempts) continues on the NPAC SMS as normal, andthe retry logic will transition the status to “partial failure” or “failed” even if the Service Provider is in recovery mode.

[snip]