**Origination Date:** 11/9/2011

**Originator:** LNPAWG

### Change Order Number: NANC 448

**Description:** Sunset of non-EDR Support

**Functionally Backward Compatible:** No

## IMPACT/CHANGE ASSESSMENT

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| FRS | IIS | GDMO | ASN.1 | NPAC | SOA | LSMS |
| Y | Y | Y | Y | Y | N | Y |

**Business Need:**

Since release 3.0 in 2000, the NPAC design has included EDR (efficient data representation) functionality, the technique in which the NPB (Number Pool Block) is used to represent pooled number data in broadcasts to User systems. These User systems in turn store data in a two-stage file in which first the individual ported number records are searched and then, if the record is not found, a second stage containing the NPB records is searched. User systems that do not support the NPB and thus which can deal with pooled numbers only on an individual SV basis are referred to as non-EDR systems.

Recent information discussed at the LNPAWG indicates that the one last non-EDR User system will be migrating to an all EDR solution no later than 2Q2012 at which time the non-EDR functionality no longer will be needed in the NPAC.

This change order documents that non-EDR support in the NPAC is grandfathered for the one existing non-EDR Service Provider system until the end of 2Q2012, at which time NPAC support for a User system's non-EDR functionality will cease Effective immediately, no new non-EDR systems are allowed. After 2Q2012, when the non-EDR functionality no longer is supported, individual pooled SV records will continue to exist at the NPAC, but pooled numbers will be broadcast to all User systems only in the form of NPBs.

**Description of Change:**

The proposed change order modifies the NPAC to use only NPBs when downloading Number Pool information to the LSMS. This applies to activates, modifies, and disconnects. Upon implementation of this change order, no pooled SVs will be broadcast to any LSMS, and all SPIDs will be considered EDR capable. Furthermore, there will be no ability to restore the non-EDR functionality. The removal of other embedded software that deals with non-EDR (e.g., business rules, database, CMIP processing) will be updated as NPAC Development Team resources become available.

**FRS:**

TBD.

**IIS:**

TBD.

**GDMO:**

TBD.

**ASN.1:**

TBD.

**M&P:**

TBD.