**Origination Date:** 07/27/17

**Originator:** iconectiv

### Change Order Number: NANC 501

**Description:** CMIP Synchronizaton Field Validation

**Functional Backwards Compatible:** Yes

**IMPACT/CHANGE ASSESSMENT**

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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| CMIP | GDMO | ASN.1 | **Neustar NPAC** | Iconectiv NPAC | SOA | LSMS |
| N | N | N | Y | N | N |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| XML | XIS | XSD | **Neustar NPAC** | Iconectiv NPAC | SOA | LSMS |
| N | N | N | N | N | N |

**Business Need**

As part of the transition of LNPA Services, Vendors of local CMIP SOA and LSMS systems need to certify their local systems with the iconectiv NPAC. During certification testing of some local systems, it was discovered that the optional Synchronization field in the messages being sent from the CMIP local system to the iconectiv NPAC contained a Synchronization field (with an unknown value) that did not conform to the CMIP Interoperable Interface Specification (IIS) and the iconectiv NPAC failed the message. A resolution to this issue is needed so that CMIP local system messages to the iconectiv NPAC will not fail validations.

**Description of Change:**

Changes detailed below.

Requirements:

The Synchronization field in CMIP messages is based CMIP Standards X.711 definitions. The standards define Syncronization to be data type of CMISSync. CMISSynch is defined as an enumeration with 2 possible values: best effort (0) or atomic (1).

To accommodate the issue of some local systems sending a value not equal to one of these 2 possible enumerations, the iconectiv NPAC will remove the validation on the enumeration. iconectiv reserves the right to implement validation of the allowed possible enumerations at some future date as agreed upon by the LNPA WG.

This change order documents the exception that is required.

**IIS Changes:**

Section 4.2.2 of the IIS concerning Filtering, the last bullet under Limitations will be modified as follows:

1. CMISSync is not supported for any scoped/filtered CMIP operation nor is its value validated.