LNP Problem/Issue Identification and Description Form

**Submittal Date** (mm/dd/yyyy): 08 /22/2017

**Company(s) Submitting Issue**: iconectiv

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**(NOTE: Submitting Company(s) is to complete this section of the form along with Sections 1, 2 and 3.)**

1. **Problem/Issue Statement:** (Brief statement outlining the problem/issue.)

During iconectiv LNPA transition testing of a local system, issues were discovered that impacts the execution and/or verification of an Industry Test Case (ITC) required for certification. These issues relate to a nonconformance to Industry Specification(s), an undocumented capability or feature, or a difference of interpretation (between LNPAs) of an Industry Specification. The specific issue herein needing resolution concerns recovery of Active SVs that were modified. The modified SV data recovered was different than the local system was expecting.

Current NPAC SMS Specifications on Recovery of SVs that were modified are not clear on the data that is recovered. Clarity is needed so that CMIP LSMS Users can successfully recover SVs that were modified when the LSMS was down.

1. **Problem/Issue Description:** (Provide detailed description of problem/issue.)
2. Examples & Impacts of Problem/Issue:

|  |  |
| --- | --- |
| **Observation** | **Specification / Requirement** |
| When an LSMS under test performed SWIM recovery and the data to be recovered included SVs that were modified, the LSMS failed to recover that SV data. The LSMS vendor indicated that when modified SVs are recovered, all attributes on the SV are supposed to be in the recovery message. The iconectiv NPAC was sending only attributes that were modified in the SV recovery response for modified SVs. | There is one requirement in the FRS that indicates what data to recover on an SV for a modified SV:  **RR6-133 Subscription Version Failed SP List – Recovery of Excluded Service Provider Subscription Versions**  NPAC SMS shall, for a recovery of subscription data, in instances where the NPAC SMS excluded the Service Provider from the Failed SP List based on a request by NPAC Personnel via the NPAC Administrative Interface, allow the Local SMS to recover a Subscription Version with all current attributes, even though the Service Provider is no longer on the Failed SP List. (previously NANC 227/254, Req 3)  The GDMO contains similar verbiage as this FRS requirement:  -- 1.0 LNP Download Action  lnpDownload ACTION      BEHAVIOUR          lnpDownloadDefinition,          lnpDownloadBehavior;      MODE CONFIRMED;      WITH INFORMATION SYNTAX LNP-ASN1.DownloadAction;      WITH REPLY SYNTAX LNP-ASN1.DownloadReply;      REGISTERED AS {LNP-OIDS.lnp-action 1};    lnpDownloadDefinition BEHAVIOUR      DEFINED AS !  The lnpDownload action is the action that is used by the Local SMS and SOA to specify the objects to be downloaded from the NPAC SMS.      !;  lnpDownloadBehavior BEHAVIOUR      DEFINED AS !  ….  An LSMS may receive subscription version or number pool block data during recovery, where more than one activity occurred for a given subscription version or number pool block during the time the LSMS was not available. This will occur when NPAC Personnel via the OpGUI, exclude a Service Provider from the Failed SP List to allow the current Service Provider to perform some type of subsequent activity on that subscription version or number pool block.  Hence, when the LSMS performs recovery, the recovered data will contain data for both activities (all current attributes).  So, if the recovering LSMS is recovering a modified subscription version or number pool block for which it did not receive the initial M-CREATE, the download reason is set to 'modified' for this subscription version or number pool block object.  The IIS, in Section 4.9, whose title concerns the Optional Data XML string in CMIP indicates:  4.9 NPAC Rules for Handling of Optional Data Fields:  … SWIM Recovery – Individual operations are recovered.   * Provider systems should store the fields as specified in the message.  For both Activate and Modify operations, all attributes in the object (including supported optional data fields that are populated) will be sent to accommodate objection creation in provider systems.  If no supported optional data fields are populated, the Optional Field string is omitted entirely.  If a Modify operation removed a value from an optional field, it is included in the string with a value of nil. |

B. Frequency of Occurrence: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. NPAC Regions Impacted:

Canada\_\_\_ Mid Atlantic \_\_\_ Midwest\_\_\_ Northeast\_\_\_ Southeast\_\_\_ Southwest\_\_\_ Western\_\_\_

West Coast\_\_\_ ALL\_X US regions\_\_

D. Rationale why existing process is deficient: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

E. Identify action taken in other committees / forums: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

F. Any other descriptive items: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. **Suggested Resolution:**

Local System should identify the impact of functionality not being supported. If the issue is a nonconformance to industry specifications, local system should provide remediation for the nonconformance if impacted. If issue is related to undocumented or misinterpreted functionality that is required by the Industry, the appropriate Industry Specifications will need to be updated to reflect the required functionality and the change order once accepted should be forwarded to the NAPM LLC for the purpose of requesting a Statement of Work (SOW) from iconectiv.

1. **Final Resolution:**

This issue resulted in the creation and acceptance of a NANC Change Order. For further detail refer to the NANC Change Order(s) identified in the Related Documents field below.

**LNPA WG:** (only) Final Resolution Date: 6/5/18

Item Number: PIM 102 Related Documents: NANC 504

Issue Resolution Referred to: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Why Issue Referred: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_