Problem/Issue Identification and Description

**Submittal Date**: 04/06/2021 **PIM # 135 v2**

**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.)

The XIS indicates that systems should accept a schema\_version value with a different minor version than the XSD schema version used by the system. However, there are no vendor test cases that verify this functionality.

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

A. Examples & Impacts of Problem/Issue:

Details are provided in the PowerPoint presentation that is embedded in Section F below.

To summarize impacts, if local systems are unable to process schema\_version values with different “minor” versions, they could potentially reject all messages from the NPAC after deployment of an NPAC release that introduces a new “minor” version, even though such a change should be backward compatible.

B. Frequency of Occurrence:

While this has not occurred in the past, the implementation of a new “minor” version of the schema could cause local systems to reject all messages.

1. NPAC Regions Impacted:

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

 West Coast\_\_\_ ALL X

D. Rationale why existing process is deficient:

Existing testing does not ensure ability of local systems to successfully process requests with a schema version value that contains a “minor” version that is different from the current “minor” version.

E. Identify action taken in other committees / forums:

None

F. Any other descriptive items:

See embedded PowerPoint presentation.

 

1. **Suggested Resolution:**

Develop a new, required test case for XML SOA and XML LSMS vendors to ensure ability to process messages with different minor version values in the schema\_version element. Vendors would need to demonstrate their ability to pass this new test case prior to the next NPAC release that introduces a new schema\_version value.

The APT could be engaged to work details of this new test case.

1. **Final Resolution:**

This issue resulted in the creation and acceptance of a Doc-only Change Order. The NPIF accepted this Change Order (CO 555) to add two new mandatory test cases to Chapter 17 of the Vendor Certification and Regression Test Plan. The APT reviewed the new test cases. For additional information refer to CO 555.

**NPIF (only)**

PIM #: 135 v2 Final Resolution Date: 8/3/2021

Related Documents: NANC 372, CO 554, CO 555

Issue Resolution Referred to:

Why Issue Referred: