**Origination Date:** 10/6/2020

**Originator:** iconectiv

### Change Order Number: NANC 552

**Description:** XIS – timestamp examples format - Doc-Only Changes

**Functional Backwards Compatible:** Yes

**IMPACT/CHANGE ASSESSMENT**

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

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| XML | XIS | XSD | **NPAC** | SOA | LSMS |
| Y | N | N | N | N |

**Business Need**

The XML Interface Specification (XIS) contains several examples that are missing the ‘Z’ in the timestamp.

**Description of Change:**

This is a Doc Only Change to clarify the timezone for examples in 2.9.2, 5.6.5.2, 5.6.9.2, 5.6.10.2, 5.6.14.2, 5.7.9.2, 5.7.10.2 and 5.8.3.2 per Section 4 – XML Interface Schema of the XIS.

Changes detailed below are highlighted in yellow.

XIS:

# [snip]

# 4. XML Interface Schema

…

All date-time fields in the LNP XML schema use the standard dateTime type defined by W3.org. Example fields from the schema that use this type are npa\_nxx\_effective\_timestamp and svb\_creation\_timestamp. The dateTime type consists of a date string, the character T, and a time string that may include 3digits of fractions of a second. Unless explicitly stated to require fractions of a second, all date-time strings should be formatted as follows:

"YYYY-MM-DDThh:mm:ssZ"

The format of the date-time strings that contain miliseconds is as follows:

"YYYY-MM-DDThh:mm:ss.fffZ"

Listed below are examples of the accepted date-time formats:

|  |  |  |
| --- | --- | --- |
| **Specification** | **Example** | **Meaning** |
| The character Z | <startdate>2012-05-30T09:30:10Z</startdate> | The string is interpreted with a timezone of UTC |
| The character Z with fractions of a second included | <startdate>2012-05-30T09:30:10.219Z</startdate> | The string is interpreted with a timezone of UTC |

# [snip]

### 2.9.2 LrnQueryRequest

For the LrnQueryRequest operation from the SOA or the LSMS, the NPAC must support the following query expressions for LRN objects:

| **Operation** | **Direction** | **Operands** | **Parameters** |
| --- | --- | --- | --- |
| LrnQueryRequest | SOA to NPAC  LSMS to NPAC | <=  <  >=  >  =  !=  AND  OR  NOT | sp\_id  lrn\_id  lrn\_value  lrn\_creation\_timestamp |

Example:

(lrn\_creation\_timestamp>='2004-04-01T15:00:00Z' OR lrn\_value='1111110000')

# [snip]

#### 5.6.5.2 AuditResultsNotification XML Example

<?xml version="1.0" encoding="UTF-8" standalone="no"?>

<SOAMessages xmlns="urn:lnp:npac:1.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

<MessageHeader>

<schema\_version>1.1</schema\_version>

<sp\_id>1111</sp\_id>

<sp\_key>zyxwvuts</sp\_key>

<npac\_region>midwest\_region</npac\_region>

<departure\_timestamp>2012-12-17T09:30:47.284Z</departure\_timestamp>

</MessageHeader>

<MessageContent>

<npac\_to\_soa>

<Message>

<invoke\_id>261</invoke\_id>  
<origination\_timestamp>2012-12-17T09:30:46.284Z </origination\_timestamp>

<AuditResultsNotification>

<audit\_id>95</audit\_id>

<audit\_results\_status>audit\_failed\_due\_to\_discrepancies</audit\_results\_status>

<audit\_failed\_list>

<sp\_id>3333</sp\_id>

<sp\_name>Service Provider #3</sp\_name>

</audit\_failed\_list>

<audit\_discrepancy\_data>

<sv\_tn>2023562000</sv\_tn>

<sv\_id>100345</sv\_id>

<sp\_id>2222</sp\_id>

<audit\_discrepancy\_reason>

<audit\_tn\_missing\_lsms/>

</audit\_discrepancy\_reason>

</audit\_discrepancy\_data>

<audit\_discrepancy\_count>1</audit\_discrepancy\_count>

<audit\_completion\_time>2012-12-17T09:30:46Z</audit\_completion\_time>

</AuditResultsNotification>

</Message>

</npac\_to\_soa>

</MessageContent>

</SOAMessages>

# [snip]

#### 5.6.9.2 LnpSpidMigrationNotification XML Example

<?xml version="1.0" encoding="UTF-8" standalone="no"?>

<SOAMessages xmlns="urn:lnp:npac:1.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

<MessageHeader>

<schema\_version>1.1</schema\_version>

<sp\_id>1111</sp\_id>

<sp\_key>zyxwvuts</sp\_key>

<npac\_region>midwest\_region</npac\_region>

<departure\_timestamp>2012-12-17T09:30:47.284Z</departure\_timestamp>

</MessageHeader>

<MessageContent>

<npac\_to\_soa>

<Message>

<invoke\_id>261</invoke\_id>  
<origination\_timestamp>2012-12-17T09:30:46.284Z </origination\_timestamp>

<LnpSpidMigrationNotification>

<migration\_from\_sp>2222</migration\_from\_sp>

<migration\_to\_sp>1111</migration\_to\_sp>

<migration\_npanxx\_data>

<npa\_nxx\_data>

<npa\_nxx\_id>25</npa\_nxx\_id>

<npa\_nxx\_value>111222</npa\_nxx\_value>

</npa\_nxx\_data>

</migration\_npanxx\_data>

<migration\_creation\_timestamp>2012-12-01T12:00:00Z </migration\_creation\_timestamp>

<migration\_due\_date>2012-12-31T12:00:00</migration\_due\_date>

<migration\_activation\_timestamp>2012-12-31T12:00:00Z </migration\_activation\_timestamp>

</LnpSpidMigrationNotification>

</Message>

</npac\_to\_soa>

</MessageContent>

</SOAMessages>

# [snip]

#### 5.6.10.2 LrnCreateDownload XML Example

<?xml version="1.0" encoding="UTF-8" standalone="no"?>

<SOAMessages xmlns="urn:lnp:npac:1.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

<MessageHeader>

<schema\_version>1.1</schema\_version>

<sp\_id>1111</sp\_id>

<sp\_key>zyxwvuts</sp\_key>

<npac\_region>midwest\_region</npac\_region>

<departure\_timestamp>2012-12-17T09:30:47.284Z</departure\_timestamp>

</MessageHeader>

<MessageContent>

<npac\_to\_soa>

<Message>

<invoke\_id>261</invoke\_id>  
<origination\_timestamp>2012-12-17T09:30:46.284Z </origination\_timestamp>

<LrnCreateDownload>

<sp\_id>1111</sp\_id>

<lrn\_id>10</lrn\_id>

<lrn\_value>2023563780</lrn\_value>

<download\_reason>dr\_new</download\_reason>

<lrn\_creation\_timestamp>2012-12-16T12:00:00Z </lrn\_creation\_timestamp>

</LrnCreateDownload>

</Message>

</npac\_to\_soa>

</MessageContent>

</SOAMessages>

# [snip]

#### 5.6.14.2 LrnQueryReply XML Example

<?xml version="1.0" encoding="UTF-8" standalone="no"?>

<SOAMessages xmlns="urn:lnp:npac:1.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

<MessageHeader>

<schema\_version>1.1</schema\_version>

<sp\_id>1111</sp\_id>

<sp\_key>zyxwvuts</sp\_key>

<npac\_region>midwest\_region</npac\_region>

<departure\_timestamp>2012-12-17T09:30:47.284Z</departure\_timestamp>

</MessageHeader>

<MessageContent>

<npac\_to\_soa>

<Message>

<invoke\_id>261</invoke\_id>  
<origination\_timestamp>2012-12-17T09:30:46.284Z </origination\_timestamp>

<LrnQueryReply>

<reply\_status>

<basic\_code>success</basic\_code>

</reply\_status>

<lrn\_list>

<lrn\_data>

<sp\_id>1111</sp\_id>

<lrn\_id>10</lrn\_id>

<lrn\_value>2023563780</lrn\_value>

<download\_reason>dr\_new</download\_reason>

<lrn\_creation\_timestamp>2012-12-16T12:00:00Z </lrn\_creation\_timestamp>

<activity\_timestamp>2012-12-17T09:30:46.936Z </activity\_timestamp>

</lrn\_data>

<lrn\_data>

<sp\_id>1111</sp\_id>

<lrn\_id>11</lrn\_id>

<lrn\_value>2023563785</lrn\_value>

<download\_reason>dr\_new</download\_reason>

<lrn\_creation\_timestamp>2010-10-31T12:00:00Z </lrn\_creation\_timestamp>

<activity\_timestamp>2012-12-17T09:30:46.936Z </activity\_timestamp>

</lrn\_data>

</lrn\_list>

</LrnQueryReply>

</Message>

</npac\_to\_soa>

</MessageContent>

</SOAMessages>

# [snip]

#### 5.7.9.2 QueryLsmsNpbReply XML Example

<?xml version="1.0" encoding="UTF-8" standalone="no"?>

<LSMSMessages xmlns="urn:lnp:npac:1.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

<MessageHeader>

<schema\_version>1.1</schema\_version>

<sp\_id>1111</sp\_id>

<sp\_key>12345678</sp\_key>

<npac\_region>midwest\_region</npac\_region>

<departure\_timestamp>2012-12-17T09:30:47.284Z</departure\_timestamp>

</MessageHeader>

<MessageContent>

<lsms\_to\_npac>

<Message>

<invoke\_id>261</invoke\_id>  
<origination\_timestamp>2012-12-17T09:30:46.284Z </origination\_timestamp>

<QueryLsmsNpbReply>

<reply\_status>

<basic\_code>success</basic\_code>

</reply\_status>

<npb\_list>

<npb\_data>

<block\_id>97</block\_id>

<block\_dash\_x>1001009</block\_dash\_x>

<sp\_id>1111</sp\_id>

<svb\_activation\_timestamp>2001-12-31T12:00:00Z </svb\_activation\_timestamp>

<svb\_lrn>2023563780</svb\_lrn>

<svb\_class\_dpc>111222111</svb\_class\_dpc>

<svb\_class\_ssn>0</svb\_class\_ssn>

<svb\_lidb\_dpc>111222111</svb\_lidb\_dpc>

<svb\_lidb\_ssn>0</svb\_lidb\_ssn>

<svb\_isvm\_dpc>111222111</svb\_isvm\_dpc>

<svb\_isvm\_ssn>0</svb\_isvm\_ssn>

<svb\_cnam\_dpc>111222111</svb\_cnam\_dpc>

<svb\_cnam\_ssn>0</svb\_cnam\_ssn>

<svb\_wsmsc\_dpc>111222111</svb\_wsmsc\_dpc>

<svb\_wsmsc\_ssn>0</svb\_wsmsc\_ssn>

<download\_reason>dr\_new</download\_reason>

<svb\_sv\_type>wireline</svb\_sv\_type>

<svb\_optional\_data>

<od\_field>

<od\_name>ALTSPID</od\_name>

<od\_value>3333</od\_value>

</od\_field>

</svb\_optional\_data>

</npb\_data>

</npb\_list>

</QueryLsmsNpbReply>

</Message>

</lsms\_to\_npac>

</MessageContent>

</LSMSMessages>

# [snip]

#### 5.7.10.2 QueryLsmsSvReply XML Example

<?xml version="1.0" encoding="UTF-8" standalone="no"?>

<LSMSMessages xmlns="urn:lnp:npac:1.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

<MessageHeader>

<schema\_version>1.1</schema\_version>

<sp\_id>1111</sp\_id>

<sp\_key>12345678</sp\_key>

<npac\_region>midwest\_region</npac\_region>

<departure\_timestamp>2012-12-17T09:30:47.284Z</departure\_timestamp>

</MessageHeader>

<MessageContent>

<lsms\_to\_npac>

<Message>

<invoke\_id>261</invoke\_id>  
<origination\_timestamp>2012-12-17T09:30:46.284Z </origination\_timestamp>

<QueryLsmsSvReply>

<reply\_status>

<basic\_code>success</basic\_code>

</reply\_status>

<sv\_list>

<sv\_data>

<sv\_tn>1001001000</sv\_tn>

<sv\_id>1235</sv\_id>

<svb\_lrn>1111111111</svb\_lrn>

<svb\_new\_sp>1234</svb\_new\_sp>

<svb\_activation\_timestamp>2001-12-31T12:00:00Z </svb\_activation\_timestamp>

<svb\_class\_dpc>111222111</svb\_class\_dpc>

<svb\_class\_ssn>0</svb\_class\_ssn>

<svb\_lidb\_dpc>111222111</svb\_lidb\_dpc>

<svb\_lidb\_ssn>0</svb\_lidb\_ssn>

<svb\_isvm\_dpc>111222111</svb\_isvm\_dpc>

<svb\_isvm\_ssn>0</svb\_isvm\_ssn>

<svb\_cnam\_dpc>111222111</svb\_cnam\_dpc>

<svb\_cnam\_ssn>0</svb\_cnam\_ssn>

<svb\_end\_user\_location\_value>120</svb\_end\_user\_location\_value>

<svb\_end\_user\_location\_type>12</svb\_end\_user\_location\_type>

<svb\_billing\_id>3333</svb\_billing\_id>

<sv\_lnp\_type>inter\_provider</sv\_lnp\_type>

<download\_reason>dr\_new</download\_reason>

<svb\_wsmsc\_dpc>111222111</svb\_wsmsc\_dpc>

<svb\_wsmsc\_ssn>0</svb\_wsmsc\_ssn>

<svb\_sv\_type>wireline</svb\_sv\_type>

<svb\_optional\_data>

<od\_field>

<od\_name>ALTSPID</od\_name>

<od\_value>3333</od\_value>

</od\_field>

</svb\_optional\_data>

</sv\_data>

</sv\_list>

</QueryLsmsSvReply>

</Message>

</lsms\_to\_npac>

</MessageContent>

</LSMSMessages>

# [snip]

#### 5.8.3.2 LnpSpidMigrationNotification XML Example

<?xml version="1.0" encoding="UTF-8" standalone="no"?>

<LSMSMessages xmlns="urn:lnp:npac:1.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

<MessageHeader>

<schema\_version>1.1</schema\_version>

<sp\_id>1111</sp\_id>

<sp\_key>87654321</sp\_key>

<npac\_region>midwest\_region</npac\_region>

<departure\_timestamp>2012-12-17T09:30:47.284Z</departure\_timestamp>

</MessageHeader>

<MessageContent>

<npac\_to\_lsms>

<Message>

<invoke\_id>261</invoke\_id>  
<origination\_timestamp>2012-12-17T09:30:46.284Z </origination\_timestamp>

<LnpSpidMigrationNotification>

<migration\_from\_sp>2222</migration\_from\_sp>

<migration\_to\_sp>3333</migration\_to\_sp>

<migration\_npanxx\_data>

<npa\_nxx\_data>

<npa\_nxx\_id>10</npa\_nxx\_id>

<npa\_nxx\_value>111222</npa\_nxx\_value>

</npa\_nxx\_data>

</migration\_npanxx\_data>

<migration\_creation\_timestamp>2012-12-17T12:00:00Z </migration\_creation\_timestamp>

<migration\_due\_date>2012-12-31T12:00:00</migration\_due\_date>

<migration\_activation\_timestamp>2012-12-31T12:00:00Z </migration\_activation\_timestamp>

</LnpSpidMigrationNotification>

</Message>

</npac\_to\_lsms>

</MessageContent>

</LSMSMessages>