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| aseXML SCHEMA CHANGE REQUEST – CR65  |

Q3 2020

Customer Switching

Change request document for Customer Switching related schema objects

Version Control

|  |  |  |
| --- | --- | --- |
| Version | Release date | Changes |
| 0.1 | 3/02/2020 | Initial request |
| 0.2 | 6/02/2020 | Update with feedback from Wayne Lee and business analysts |
| 0.3 |  |  |
| 0.4 |  |  |

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# Change Proposal

This Change Proposal is to accommodate changes related to the 5MS project

## Description of the proposed change

The proposed changes are listed in the following table.

|  |  |  |
| --- | --- | --- |
| **Item#** | **Change Description** | **Change Type[[1]](#footnote-2)** |
| 1 | Addition of Previous Read Dates to NMI Standing Data Response | New |

1. Proposed Changes

### Addition of Previous Read Dates to NMI Standing Data Response

Addition of PreviousReadings block to provide prior meter read dates and reading quality to support customer switching:

* Provide multiple read dates with associated quality flag.

OR

* Provide error message when readings are not available.

## Reason for Change

1. With the introduction of Customer Switching, retailers must align customer transfer dates to prior read dates.
This information will be provided via MSATS NMI Discovery process.

## Supplied Documents

### Business process document

### Other

## Baseline Schema

The schema used as a basis for this proposal is v38.
The schema changes described in this document are in addition to the proposed 5MS changes.

# Approval Proposal

## Proposed Changes

### Draft schemas



### Change log

The following changes have been implemented in this draft:

|  |  |  |  |
| --- | --- | --- | --- |
| **Chg #** | **Item #** | **Description of change** | **Filename** |
| 1 | 1 | Replace version of schema from r38 to r39 | aseXML\_r39.xsd |
| 2 | 1 | Registration of r39 release (duplicates 5MS change) | Events\_r39.xsd |
| 3 | 1 | Define new complex types | Common\_r39.xsd |
| 4 | 1 | Add element ‘PreviousReadings’ to ‘NMIStandingDataResponse’ | NMIDataAccess\_r39.xsd |
| 5 | 1 | Update ‘NMIStandingDataResponse’ version type to r39 | NMIDataAccess\_r39.xsd |

1. Change Log

### Schema change description

#### aseXml\_r39.xsd

New file to replace aseXML\_r38.xsd and include the r39 file versions listed below.

<xsd:schema xmlns="urn:aseXML:r39" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" targetNamespace="urn:aseXML:r39" version="r39" xsi:schemaLocation="urn:aseXML:r39 aseXML\_r39.xsd">

<xsd:include schemaLocation="NMIDataAccess\_r39.xsd">

<xsd:include schemaLocation="Common\_r39.xsd"/>

<xsd:include schemaLocation="Events\_r39.xsd">

#### NMIDataAccess\_r39.xsd

Addition of new element and update of attribute type

<xsd:complexType name="NMIStandingDataResponse">

 <xsd:annotation>

 <xsd:documentation>

Application - NMI Data Access

TransactionExchange - NMI Standing Data

TransactionGroup – NMID

Priority – High

Purpose - Provide the results of a request for the current standing data for a particular NMI

Detail - Usage of the NMIStandingData type allows the transaction to carry variable content according to fuel and jurisdictional requirements. At least one Event element must be present in the response to indicate the success or otherwise of the search.

 </xsd:documentation>

 </xsd:annotation>

 <xsd:sequence>

 <xsd:element type="NMIStandingData" name="NMIStandingData" minOccurs="0"/>

 <xsd:element type="PreviousReadDates" name="PreviousReadDates" minOccurs="0"/>

 <xsd:element type="Event" name="Event" maxOccurs="unbounded"/>

 </xsd:sequence>

 <xsd:attribute type="r39" name="version" default="r39" use="optional"/>

</xsd:complexType>

#### Common\_r39.xsd

Define new complex types

<xsd:complexType name="PreviousReadDate">

 <xsd:annotation>

 <xsd:documentation>Purpose - Date and quality of a previous NMI reading</xsd:documentation>

 </xsd:annotation>

 <xsd:sequence>

 <xsd:element type="xsd:date" name="ReadDate"/>

 <xsd:element name="ReadQuality">

 <xsd:simpleType>

 <xsd:restriction base="xsd:string">

 <xsd:maxLength value="1"/>

 </xsd:restriction>

 </xsd:simpleType >

 </xsd:element>

 </xsd:sequence>

</xsd:complexType>

<xsd:complexType name="PreviousReadDates">

 <xsd:annotation>

 <xsd:documentation>Purpose - List of previous NMI read dates</xsd:documentation>

 </xsd:annotation>

 <xsd:choice>

 <xsd:element type="PreviousReadDate" name="PreviousReadDate" maxOccurs="unbounded"/>

 <xsd:element type="Event" name="Event" maxOccurs="1"/>

 </xsd:choice>

</xsd:complexType>

#### Events\_r39.xsd

Define new simple type “r39”

 <xsd:simpleType name="r39">

 <xsd:annotation>

 <xsd:documentation>Purpose - Release r39 identifier.</xsd:documentation>

 </xsd:annotation>

 <xsd:restriction base="ReleaseIdentifier">

 <xsd:enumeration value="r39"/>

 </xsd:restriction>

 </xsd:simpleType>

### Impact Summary

This table identifies the files, transactions and versioned types that are potentially impacted as the result of these changes, where:

* Modified types - is a full list of types changed by this Change Request
* Derived types – is a list of any types that are derived from a modified type, and are therefore also modified by default
* Versioned types affected – is a list of all versioned types that will need to have the version attribute updated as a result of this Change Request
* Transactions potentially affected – is a list of all transactions that contain a modified type, either directly or via a type substitution
* Schema files affected – is a list of schema files that will be changed in some way as a result of this Change Request.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Modified types** | **Derived types** | **Versioned types affected** | **Transactions potentially affected** | **Schema files affected** |
|  |  |  |  | aseXML\_r39.xsd |
| R39 |  |  |  | Events\_r39.xsd |
| NMIStandingDataResponse |  | NMIStandingDataResponse | NMIStandingDataResponse | NMIDataAccess\_r39.xsd |
| Reading |  |  | NMIStandingDataResponse | Common\_r39.xsd |
| PreviousReadings |  |  | NMIStandingDataResponse | Common\_r39.xsd |

1. Impact Summary

### Developer Test

#### Test Platforms

The new schema has been tested using the following platforms as advised by ASWG:

* XMLSpy 2014

#### Test Cases

To be completed post development

# Proposal Assessment

## Test

The ASWG ensures that all recommended parsers on relevant platforms can successfully validate the proposed schema.

### Test Platforms

Supplied samples have been tested using the following parsers:

* MSXML 4.0 SP1
* Xerces 1.4.1
* Xerces 2.2.1
* XMLSpy 2004

### Test Cases

As per section 0.

### Test Results

No issues.

## Conformance Report

The ASWG completes the conformance report validating each proposed new schema file against the published aseXML guidelines.

|  |  |  |
| --- | --- | --- |
| **Schema Filename** | **Impacted by Item #** | **Conformance Details** |
| aseXML\_r\*.xsd |  | Conforms |
|  |  |  |

1. Change Proposal Conformance Details

# Issue Register

This section describes any issues that have arisen and any modifications that are made to the original proposal during the Change Process

## Status of Issues

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Issue#** | **Item#** | **Description and Discussion** | **Status[[2]](#footnote-3)** | **Resolution** |
| 1 |  |  |  |  |

1. Issues list

# Resolution

The ASWG votes for endorsement of the options identified in section 2, and the voting results are forwarded to AEMO for approval. When 75% of those ASWG members who voted endorse a specific option, this represents an ASWG Recommendation for that option. AEMO will not reject an ASWG Recommendation without first consulting with the ASWG.

## ASWG Endorsement

The results of the ASWG vote are as follows:

Date of Vote:

|  |  |  |
| --- | --- | --- |
| **Option** | **# Votes** | **% Vote** |
| Approved | 0 | 0 |
| Rejected | 0 |  |
| Abstained | 0 |  |
| Total Members Present | 0 |  |

1. ASWG Vote Results

Glossary

|  |  |
| --- | --- |
| Term | Definition |
|  |  |
|  |  |
|  |  |

1. Change Type can be one of

New

Enhancement, or

Bug Fix [↑](#footnote-ref-2)
2. Either ‘Open’ or ‘Closed’ [↑](#footnote-ref-3)