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| aseXML SCHEMA CHANGE REQUEST – CR69  |

Q4 2020

5MS

Change request document for 5MS related schema objects patch version

Version Control

|  |  |  |
| --- | --- | --- |
| Version | Release date | Changes |
| 0.1 | 16/10/2020 | Initial request |
| 0.2 | 21/10/2020 | Inclusion of changes to aseXML and Enent .xsds as instructed by Wayne and Warwick. |
| 0.3 | 01/12/2020 | Finalise for publication after successful test. |
|  |  |  |
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# Change Proposal

This Change Proposal is to correct an issue discovered during testing on 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 | Update the element type assigned to the LocalArea element name for the RM43 and RM46 reports: | Bug Fix |

1. Proposed Changes

### Update of Local Area Element Type

Update the element type assigned to the LocalArea element name for the RM43 and RM46 reports:

## Reason for Change

1. During testing of 5 Minute Settlements (5MS) and Global Settlements (GS) changes, it was identified that the existing element type was incorrect as it did not support number of characters required for the element name.

## Supplied Documents

### Business process document

### Other

## Baseline Schema

The schema used as a basis for this proposal is v39

These changes will be included into release v40 currently in consultation.

# 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 r39 to r39\_p1 | aseXML\_r39\_p1.xsd |
| 2 | 1 | Update of Local Area element type for RM43 and RM46 reports | MDMTReports\_r39\_p1.xsd |
| 3 | 1 | Registration of r39\_p1 release | Events\_r39\_p1.xsd |

1. Change Log

### Schema change description

#### aseXml\_r39\_p1.xsd

New file to replace aseXML\_r39.xsd and include the bug fix r39\_p1 file versions listed below.

<xsd:schema xmlns="urn:aseXML:r39\_p1" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" targetNamespace="urn:aseXML:r39\_p1" version="r39\_p1" xsi:schemaLocation="urn:aseXML:r39\_p1 aseXML\_r39\_p1.xsd">

<xsd:include schemaLocation="Events\_r39\_p1.xsd">

<xsd:include schemaLocation="MDMTReports\_r39\_p1.xsd">

#### Events\_r39\_p1.xsd

Define new simple type “r39\_p1”

 <xsd:simpleType name="r39\_p1">

 <xsd:annotation>

 <xsd:documentation>Purpose - Release r39\_p1 identifier. Patch for release 39</xsd:documentation>

 </xsd:annotation>

 <xsd:restriction base="ReleaseIdentifier">

 <xsd:enumeration value="r39\_p1"/>

 </xsd:restriction>

####  </xsd:simpleType>

#### MDMTReports\_r39\_p1.xsd

Update element type for LocalArea element name.

 <xsd:complexType name="UFEFactorValuesByLocalAreaReportParameters">

 <xsd:annotation>

 <xsd:documentation>

Purpose - Parameter definition for UFE Factor Values By Local Area Report

Report Name - UFEFactorValuesByLocalArea

MSATS Reports - RM43

 </xsd:documentation>

 </xsd:annotation>

 <xsd:complexContent>

 <xsd:extension base="BaseReportParameters">

 <xsd:sequence>

 <xsd:element name="SettlementCase" type="MDMSettlementCaseIdentifier"/>

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

 </xsd:sequence>

 </xsd:extension>

 </xsd:complexContent>

 </xsd:complexType>

 <xsd:complexType name="UFEValidationReportParameters">

 <xsd:annotation>

 <xsd:documentation>

Purpose - Parameter definition for UFE Validation Report

Report Name - UFEValidation

MSATS Reports - RM46

 </xsd:documentation>

 </xsd:annotation>

 <xsd:complexContent>

 <xsd:extension base="BaseReportParameters">

 <xsd:sequence>

 <xsd:element name="SettlementCase" type="MDMSettlementCaseIdentifier"/>

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

 </xsd:sequence>

 </xsd:extension>

 </xsd:complexContent>

 </xsd:complexType>

</xsd:schema>

### 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\_p1.xsd |
| R39\_p1 |  |  |  | Events\_r39\_p1.xsd |
|  |  | UFEFactorValuesByLocalAreaReportParametersUFEValidationReportParameters | ReportRequest ReportResponse | MDMTReports\_r39\_p1.xsd |

1. Impact Summary

### Developer Test

#### Test Platforms

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

* XMLSpy
* MSXML6
* Xerces 2.9.1
* Xerces 2.2.1

#### Test Cases

The testing conducted covered the pre-existing set of aseXML sample files converted to r39\_p1 format.

# 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:

* XMLSpy
* MSXML6
* Xerces 2.9.1
* Xerces 2.2.1

### Test Cases

The testing conducted covered the pre-existing set of aseXML sample files converted to r39\_p1 format, and three additional files for validating the r39\_p1 changes.

NEMMSATS\_MDMReportRM42\_r39\_p1.xml

NEMMSATS\_MDMReportRM43\_r39\_p1.xml

NEMMSATS\_MDMReportRM46\_r39\_p1.xml

### 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 |
| Events\_r39\_p1.xsd |  | Conforms |
| MDMTReports\_r39\_p1.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 | 4 | 100 |
| Rejected | 0 |  |
| Abstained | 0 |  |
| Total Members Present | 4 |  |

1. ASWG Vote Results

Glossary

|  |  |
| --- | --- |
| Term | Definition |
| 5MS | 5 Minute Settlements |
| GS | Global Settlements |
| TNI | Transmission Node Identifier |
| LocalArea | A defined collection of TNIs |

1. Change Type can be one of

New

Enhancement, or

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