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| aseXML SCHEMA CHANGE REQUEST – CR64  |

Q3 2020

5MS

Change request document for 5MS related schema objects

Version Control

|  |  |  |
| --- | --- | --- |
| Version | Release date | Changes |
| 0.1 | 17/10/2019 | Initial request |
| 0.2 | 08/01/2020 | Updated Draft |
| 0.3 | 30/01/2020 | Updated to reflect comments from Wayne Lee |
| 0.4 | 3/2/2020 | Update schema and Impact Summary as indicated by Wayne Lee |
| 0.5 | 10/2/2020 | Remove erroneous NMI elements from some new reports. |

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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 | Additional of new RM Reports: | New |
| 2 | Update of existing ‘Last Sequence Number’ elements to optional | Enhancement |
| 3 | Addition of new x of y message block | New |
| 4 | Addition of new Second TNI number for Cross boundary NMIs | New |

1. Proposed Changes

### Addition of new RM Reports

Addition of new reports to the MDMTReport schema:

* MDMTHighPriorityMissingDataReportParameters (RM37),
* MDMTDataStreamMissingDataReportParameters (RM38),
* MDMTMismatchDataReportParameters (RM39),
* UFEFactorValuesByLocalAreaReportParameters (RM43),
* UFEValidationReportParameters (RM46),

### Update of existing ‘LastSequenceNumber’ elements to optional

Update of existing ‘LastSequenceNumber’ elements to optional in MDMTReports and CATSReports schema

### Addition of new x of y message block

Addition of Message block to enable multiple message responses for a single request within the Transaction schema:

* Message Number to identify the number of the message being sent.
* Total Messages number to identify the total of messages to be received.

### Addition of new Second TNI number for Cross boundary NMIs

Add of new Transmission Node Identifier 2 elements to the ElectricityMasterStandingData schema

## Reason for Change

1. With the introduction of 5 Minute Settlements (5MS) and Global Settlements (GS) new reports have been defined to support participant reconciliations.
2. The introduction of the new MDM system as part of 5MS identified an improvement opportunity to provide the complete set of report results without the need for participants to request results to support file sizes. This enhancement removes the need to populate the Last Sequence Number for an RM report request. To minimise changes to participants the field will be set to optional to enable backward compatibility.
3. The improvement opportunity to provide the complete set of RM reporting results to the participant will create multiple messages, to assist participants in ensuring they receive all participants an x of y message numbering will be introduced. Where x is message number and y is total messages.
4. The requirement to provide data for GS requires LNSPs to register all cross boundary connection points for UFE calculation. These connection points are required to store a different TNI for each Local Area.

## Supplied Documents

### Business process document

### Other

## Baseline Schema

The schema used as a basis for this proposal is v38

# Approval Proposal

## Proposed Changes

### Draft schemas



### Change log

The following changes have been implemented in this draft:

|  |  |  |  |
| --- | --- | --- | --- |
| **Chg #** | **Item #** | **Description of change** | **Filename** |
| 1 | 1,2,3,4 | Replace version of schema from r38 to r39 | aseXML\_r39.xsd |
| 2 | 1 | Inclusion of RM Reports: RM37. RM38, RM39, RM43, RM46 | MDMTReports\_r39.xsd |
| 3 | 2 | Update of existing ‘Last Sequence Number’ elements to optional | MDMTReports\_r39.xsd |
| 4 | 2 | Update of existing ‘Last Sequence Number’ elements to optional | CATSReports\_r39.xsd |
| 5 | 3 | Addition of new x of y message block | Reports\_r39.xsd |
| 6 | 4 | Addition of new Second TNI number for Cross boundary NMIs | ElectricityMasterStandingData\_r39.xsd |
| 7 | 1,2,3,4 | Registration of r39 release | Events\_r39.xsd |

1. Change Log

### Schema change description

#### aseXml\_r39.xsd

New file to replace aseXML\_r38.xsd and include the four 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="Events\_r39.xsd">

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

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

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

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

#### CATSReports\_r39.xsd

Update “LastSequenceNumber” to optional

<xsd:complexType name="CATSChangeManagementReportParameters">

 <xsd:annotation>

 <xsd:documentation>

Purpose - Parameters for a CATS Change Management Report

Report Name - ChangeManagement

MSATS Report - C3

 </xsd:documentation>

 </xsd:annotation>

 <xsd:complexContent>

 <xsd:extension base="BaseReportParameters">

 <xsd:sequence>

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

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

 <xsd:element name="AsAtDate" type="xsd:dateTime"/>

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

 <xsd:choice>

 <xsd:element name="NMI" type="NMI"/>

 <xsd:sequence>

 <xsd:element name="NMIClassificationCode" type="NMIClassificationCode"/>

 <xsd:element name="JurisdictionCode" type="JurisdictionCode"/>

 </xsd:sequence>

 </xsd:choice>

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

 <xsd:element name="Participant" type="PartyIdentifier"/>

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

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

 </xsd:sequence>

 </xsd:extension>

 </xsd:complexContent>

 </xsd:complexType>

<xsd:complexType name="CATSMasterReportParameters">

 <xsd:annotation>

 <xsd:documentation>

Purpose - Parameters for a CATS Master Report

Report Name - Master

MSATS Report - C4

 </xsd:documentation>

 </xsd:annotation>

 <xsd:complexContent>

 <xsd:extension base="BaseReportParameters">

 <xsd:sequence>

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

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

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

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

 <xsd:choice>

 <xsd:element name="NMI" type="NMI"/>

 <xsd:sequence>

 <xsd:element name="NMIClassificationCode" type="NMIClassificationCode"/>

 <xsd:element name="JurisdictionCode" type="JurisdictionCode"/>

 </xsd:sequence>

 </xsd:choice>

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

 <xsd:element name="Participant" type="PartyIdentifier"/>

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

 <xsd:element name="Role" type="RoleIdentifier"/>

 <xsd:element name="ReportType">

 <xsd:simpleType>

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

 <xsd:enumeration value="Summary"/>

 <xsd:enumeration value="Detailed"/>

 </xsd:restriction>

 </xsd:simpleType>

 </xsd:element>

 </xsd:sequence>

 </xsd:extension>

 </xsd:complexContent>

 </xsd:complexType>

 <xsd:complexType name="CATSNMIDiscoveryReportParameters">

 <xsd:annotation>

 <xsd:documentation>

Purpose - Parameters for a CATS NMI Discovery Report

Report Name - NMIDiscovery

MSATS Report - C6

Detail - The NMI/Jurisdiction choice is ignored if a report type of Source and Content is selected. One of NMI/Jurisdiction should however be provided for a report type of Statistic.

 </xsd:documentation>

 </xsd:annotation>

 <xsd:complexContent>

 <xsd:extension base="BaseReportParameters">

 <xsd:sequence>

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

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

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

 <xsd:choice minOccurs="0">

 <xsd:element name="NMI" type="NMI"/>

 <xsd:element name="JurisdictionCode" type="JurisdictionCode"/>

 </xsd:choice>

 <xsd:element name="Participant" type="PartyIdentifier"/>

 <xsd:element name="ReportType">

 <xsd:simpleType>

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

 <xsd:enumeration value="SourceContent"/>

 <xsd:enumeration value="Statistic"/>

 </xsd:restriction>

 </xsd:simpleType>

 </xsd:element>

 </xsd:sequence>

 </xsd:extension>

 </xsd:complexContent>

 </xsd:complexType>

 <xsd:complexType name="CATSSnapshotReportParameters">

 <xsd:annotation>

 <xsd:documentation>

Purpose - Parameters for a CATS Snapshot Report. Report Name

Snapshot MSATS Report

 </xsd:documentation>

 </xsd:annotation>

 <xsd:complexContent>

 <xsd:extension base="BaseReportParameters">

 <xsd:sequence>

 <xsd:element name="Participant" type="PartyIdentifier"/>

 <xsd:element name="AsAtDateTime" type="xsd:dateTime"/>

 <xsd:element name="Tables" type="Tables"/>

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

 </xsd:sequence>

 </xsd:extension>

 </xsd:complexContent>

 </xsd:complexType>

#### ElectricityMasterStandingData\_r39.xsd

Addition of new element

 <xsd:group name="ElectricityNMIMasterGroup">

 <xsd:annotation>

 <xsd:documentation>

Purpose - Common NMI Master elements across Standing Data and Change Requests

 </xsd:documentation>

 </xsd:annotation>

 <xsd:sequence>

 <xsd:element name="JurisdictionCode" type="JurisdictionCode" nillable="true" minOccurs="0"/>

 <xsd:element name="NMIClassificationCode" type="NMIClassificationCode" nillable="true" minOccurs="0"/>

 <xsd:element name="TransmissionNodeIdentifier" type="TransmissionNodeIdentifier" nillable="true" minOccurs="0"/>

 <xsd:element name="DistributionLossFactorCode" type="DistributionLossFactorCode" nillable="true" minOccurs="0"/>

 <xsd:element name="ParentEmbeddedNetworkIdentifier" type="EmbeddedNetworkIdentifier" nillable="true" minOccurs="0"/>

 <xsd:element name="ChildEmbeddedNetworkIdentifier" type="EmbeddedNetworkIdentifier" nillable="true" minOccurs="0"/>

 <xsd:element name="Address" type="AustralianPartialAddress" nillable="true" minOccurs="0"/>

 <xsd:element name="Aggregate" type="YesNo" nillable="true" minOccurs="0"/>

 <xsd:element name="Status" type="NMIStatusCode" nillable="true" minOccurs="0"/>

 <xsd:element name="FlatOrUnitType" type="AustralianFlatOrUnitType" nillable="true" minOccurs="0"/>

 <xsd:element name="FlatOrUnitNumber" type="AustralianFlatOrUnitNumber" nillable="true" minOccurs="0"/>

 <xsd:element name="FloorOrLevelType" type="AustralianFloorOrLevelType" nillable="true" minOccurs="0"/>

 <xsd:element name="FloorOrLevelNumber" type="AustralianFloorOrLevelNumber" nillable="true" minOccurs="0"/>

 <xsd:element name="BuildingOrPropertyName" type="AustralianBuildingOrPropertyName" nillable="true" minOccurs="0"/>

 <xsd:element name="BuildingOrPropertyName2" type="AustralianBuildingOrPropertyName" nillable="true" minOccurs="0"/>

 <xsd:element name="LocationDescriptor" type="AustralianLocationDescriptor" nillable="true" minOccurs="0"/>

 <xsd:element name="HouseNumber" type="AustralianHouseNumber" nillable="true" minOccurs="0"/>

 <xsd:element name="HouseNumberSuffix" type="AustralianHouseNumberSuffix" nillable="true" minOccurs="0"/>

 <xsd:element name="HouseNumber2" type="AustralianHouseNumber" nillable="true" minOccurs="0"/>

 <xsd:element name="HouseNumber2Suffix" type="AustralianHouseNumberSuffix" nillable="true" minOccurs="0"/>

 <xsd:element name="LotNumber" type="AustralianLotNumber" nillable="true" minOccurs="0"/>

 <xsd:element name="StreetName" type="AustralianStreetName" nillable="true" minOccurs="0"/>

 <xsd:element name="StreetType" type="AustralianStreetType" nillable="true" minOccurs="0"/>

 <xsd:element name="StreetSuffix" type="AustralianStreetSuffix" nillable="true" minOccurs="0"/>

 <xsd:element name="AddressLine1" type="AustralianAddressLine" nillable="true" minOccurs="0"/>

 <xsd:element name="AddressLine2" type="AustralianAddressLine" nillable="true" minOccurs="0"/>

 <xsd:element name="AddressLine3" type="AustralianAddressLine" nillable="true" minOccurs="0"/>

 <xsd:element name="SuburbOrPlaceOrLocality" type="AustralianSuburbOrPlaceOrLocality" nillable="true" minOccurs="0"/>

 <xsd:element name="StateOrTerritory" type="AustralianStateOrTerritory" nillable="true" minOccurs="0"/>

 <xsd:element name="PostCode" type="AustralianPostCode" nillable="true" minOccurs="0"/>

 <xsd:element name="DeliveryPointIdentifier" type="AustralianDeliveryPointIdentifier" nillable="true" minOccurs="0"/>

 <xsd:element name="DistanceFromSubstation" type="DistanceFromSubstation" nillable="true" minOccurs="0"/>

 <xsd:element name="VoltageType" type="VoltageType" nillable="true" minOccurs="0"/>

 <xsd:element name="PoleNumber" type="PoleNumber" nillable="true" minOccurs="0"/>

 <xsd:element name="AccessDetails" type="AccessDetail" nillable="true" minOccurs="0"/>

 <xsd:element name="FeederClass" type="FeederClass" nillable="true" minOccurs="0"/>

 <xsd:element name="CustomerClassificationCode" type="EMSDCustomerClassificationCode" nillable="true" minOccurs="0"/>

 <xsd:element name="CustomerThresholdCode" type="EMSDCustomerThresholdCode" nillable="true" minOccurs="0"/>

 <xsd:element name="TransmissionNodeIdentifier2" type="TransmissionNodeIdentifier" nillable="true" minOccurs="0"/>

 </xsd:sequence>

 </xsd:group>

 <xsd:complexType name="ElectricityMasterStandingData">

 <xsd:annotation>

 <xsd:documentation>

Purpose - container for non-repeating standing data associated with an electricity NMI

 </xsd:documentation>

 </xsd:annotation>

 <xsd:sequence>

 <xsd:element name="JurisdictionCode" type="JurisdictionCode" nillable="true" minOccurs="0"/>

 <xsd:element name="NMIClassificationCode" type="NMIClassificationCode" nillable="true" minOccurs="0"/>

 <xsd:element name="TransmissionNodeIdentifier" type="TransmissionNodeIdentifier" nillable="true" minOccurs="0"/>

 <xsd:element name="DistributionLossFactorCode" type="DistributionLossFactorCode" nillable="true" minOccurs="0"/>

 <xsd:element name="ParentEmbeddedNetworkIdentifier" type="EmbeddedNetworkIdentifier" nillable="true" minOccurs="0"/>

 <xsd:element name="ChildEmbeddedNetworkIdentifier" type="EmbeddedNetworkIdentifier" nillable="true" minOccurs="0"/>

 <xsd:element name="Address" type="AustralianPartialAddress" nillable="true" minOccurs="0"/>

 <xsd:element name="Aggregate" type="YesNo" nillable="true" minOccurs="0"/>

 <xsd:element name="Status" type="NMIStatusCode" nillable="true" minOccurs="0"/>

 <xsd:element name="DistanceFromSubstation" type="DistanceFromSubstation" nillable="true" minOccurs="0"/>

 <xsd:element name="VoltageType" type="VoltageType" nillable="true" minOccurs="0"/>

 <xsd:element name="PoleNumber" type="PoleNumber" nillable="true" minOccurs="0"/>

 <xsd:element name="AccessDetails" type="AccessDetail" nillable="true" minOccurs="0"/>

 <xsd:element name="FeederClass" type="FeederClass" nillable="true" minOccurs="0"/>

 <xsd:element name="CustomerClassificationCode" type="EMSDCustomerClassificationCode" nillable="true" minOccurs="0"/>

 <xsd:element name="CustomerThresholdCode" type="EMSDCustomerThresholdCode" nillable="true" minOccurs="0"/>

 <xsd:element name="ControlEquipments" type="ControlEquipments" nillable="true" minOccurs="0"/>

 <xsd:element name="NetworkDevices" type="NetworkDevices" nillable="true" minOccurs="0"/>

 <xsd:element name="EnergisationStatus" type="EnergisationStatus" nillable="true" minOccurs="0"/>

 <xsd:element name="PrimaryVoltage" type="PrimaryVoltage" nillable="true" minOccurs="0"/>

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

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

 <xsd:element name="TransmissionNodeIdentifier2" type="TransmissionNodeIdentifier" nillable="true" minOccurs="0"/>

 </xsd:sequence>

 </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>MDMTReports\_r39.xsd

Update “LastSequenceNumber” to optional

 <xsd:group name="MDMTSettlementDateGroup">

 <xsd:annotation>

 <xsd:documentation>

Purpose - Settlement Date Information Group

 </xsd:documentation>

 </xsd:annotation>

 <xsd:sequence>

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

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

 <xsd:element name="AsAtDate" type="xsd:dateTime"/>

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

 </xsd:sequence>

 </xsd:group>

 <xsd:group name="MDMTSettlementCaseGroup">

 <xsd:annotation>

 <xsd:documentation>

Purpose - Settlement Case Identifier plus date range Information Group

 </xsd:documentation>

 </xsd:annotation>

 <xsd:sequence>

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

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

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

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

 </xsd:sequence>

 </xsd:group>

 <xsd:complexType name="MDMTMSPLoadAggregationErrorReportParameters">

 <xsd:annotation>

 <xsd:documentation>

Purpose - Parameter definition for a MSP Load Aggregation Error Report

Report Name - MSPLoadAggregationError

MSATS Report - RM10

 </xsd:documentation>

 </xsd:annotation>

 <xsd:complexContent>

 <xsd:extension base="BaseReportParameters">

 <xsd:sequence>

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

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

 </xsd:sequence>

 </xsd:extension>

 </xsd:complexContent>

 </xsd:complexType>

 <xsd:complexType name="MDMTPPSReportParameters">

 <xsd:annotation>

 <xsd:documentation>

Purpose - Parameter definition for a PPS Report

Report Name - PPS

MSATS Reports - RM20

 </xsd:documentation>

 </xsd:annotation>

 <xsd:complexContent>

 <xsd:extension base="BaseReportParameters">

 <xsd:sequence>

 <xsd:choice>

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

 <xsd:element name="AsAtDate" type="xsd:dateTime"/>

 </xsd:choice>

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

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

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

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

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

 </xsd:sequence>

 </xsd:extension>

 </xsd:complexContent>

 </xsd:complexType>

Addition of new report types

 <xsd:complexType name="MDMTHighPriorityMissingDataReportParameters">

 <xsd:annotation>

 <xsd:documentation>

Purpose - Parameter definition for HighPriorityMissingData

Report Name - HighPriorityMissingData

MSATS Reports - RM37

 </xsd:documentation>

 </xsd:annotation>

 <xsd:complexContent>

 <xsd:extension base="BaseReportParameters">

 <xsd:sequence>

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

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

 <xsd:element name="AsAtDate" type="xsd:dateTime"/>

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

 </xsd:sequence>

 </xsd:extension>

 </xsd:complexContent>

 </xsd:complexType>

 <xsd:complexType name="MDMTDataStreamMissingDataReportParameters">

 <xsd:annotation>

 <xsd:documentation>

Purpose - Parameter definition for Data Stream Missing Data Report

Report Name - DataStreamMissingData

MSATS Reports - RM38

 </xsd:documentation>

 </xsd:annotation>

 <xsd:complexContent>

 <xsd:extension base="BaseReportParameters">

 <xsd:sequence>

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

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

 <xsd:element name="AsAtDate" type="xsd:dateTime"/>

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

 </xsd:sequence>

 </xsd:extension>

 </xsd:complexContent>

 </xsd:complexType>

 <xsd:complexType name="MDMTMismatchDataReportParameters">

 <xsd:annotation>

 <xsd:documentation>

Purpose - Parameter definition for Mismatch Data Report

Report Name - MismatchData

MSATS Reports - RM39

 </xsd:documentation>

 </xsd:annotation>

 <xsd:complexContent>

 <xsd:extension base="BaseReportParameters">

 <xsd:sequence>

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

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

 <xsd:element name="AsAtDate" type="xsd:dateTime"/>

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

 </xsd:sequence>

 </xsd:extension>

 </xsd:complexContent>

 </xsd:complexType>

 <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="ProfileName" 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="ProfileName" minOccurs="0"/>

 </xsd:sequence>

 </xsd:extension>

 </xsd:complexContent>

 </xsd:complexType>

</xsd:schema>

#### Reports\_r39.xsd

Addition of results block

 <xsd:complexType name="ReportResponse">

 <xsd:annotation>

 <xsd:documentation>

Application - Reports

TransactionExchange - Report Request

TransactionGroup - CATS for CATSReportRequest, MDMT for MDMReportRequest

Priority - Low

Purpose - Return the results of a report

Detail - This is a generic transaction that relies on the details of the exact report format returned being determined by the xsi:type attribute provided by the sender on the ReportParameters and ReportResults elements. At least one Event element must be present in the response to indicate the success or otherwise of the report.

 </xsd:documentation>

 </xsd:annotation>

 <xsd:sequence>

 <xsd:element name="ReportParameters" type="BaseReportParameters"/>

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

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

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

 </xsd:sequence>

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

 </xsd:complexType>

### 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 |
|  |  | CATSChangeManagementReportParametersCATSMasterReportParametersCATSNMIDiscoveryReportParametersCATSSnapshotReportParameters | ReportRequest ReportResponse | CATSReport\_r39.xsd |
| ElectricityMasterStandingData |  | ElectricityNMIMasterGroupElectricityStandingData | MeterDataVerifyRequestMeterDataMissingNotificationNMIStandingDataResponseNMIDiscoveryResponseCATSChangeRequestCATSNotificationCATSDataRequestReplicationNotificationReportResponse | ElectriityMasterStandingData\_r39.xsd |
|  |  | MDMTSettlementDateGroupMDMTSettlementCaseGroupMDMTMSPLoadAggregationErrorReportParametersMDMTPPSReportParametersMDMTHighPriorityMissingDataReportParametersMDMTDataStreamMissingDataReportParametersMDMTMismatchDataReportParametersUFEFactorValuesByLocalAreaReportParametersUFEValidationReportParameters | ReportRequest ReportResponse | MDMTReports\_r39.xsd |
|  |  | CATSReportsMDMDTReports | ReportResponse | Reports\_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 2.1.5.

### 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 |
| 5MS | 5 Minute Settlements |
| GS | Global Settlements |
| TNI | Transmission Node Identifier |

1. Change Type can be one of

New

Enhancement, or

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