| aseXML SCHEMA CHANGE REQUEST – CR73 |
| --- |

Q4 2023

B2M schema changes

Change request document for B2M system enhancements

Version Control

| Version | Release date | Changes |
| --- | --- | --- |
| 0.1 | 02/08/2023 | Schema Changes r44 |
| 0.2 | 06/09/2023 | Added BuildingOrPropertyName2 for ICF\_070 |
| 0.3 | 13/10/2023 | Increase length of AustralianBuildingOrPropertyName from 30 to 50 |
| 0.4 | 27/10/2023 | Remove ICF\_070 changes for BuildingOrPropertyName2 and revert length of AustralianBuildingOrPropertyName from 50 to 30 |
| 0.5 | 12/12/2023 | RM19 feedback comments |

Contents

[1. Change Proposal 5](#_Toc119930153)

[1.1 Description of the proposed change 6](#_Toc119930154)

[1.2 Reason for Change 9](#_Toc119930155)

[1.3 Supplied Documents 9](#_Toc119930156)

[1.4 Baseline Schema 10](#_Toc119930157)

[2. Approval Proposal 11](#_Toc119930158)

[2.1 Proposed Changes 11](#_Toc119930159)

[3. Proposal Assessment 34](#_Toc119930160)

[3.1 Test 34](#_Toc119930161)

[3.2 Conformance Report 34](#_Toc119930162)

[4. Issue Register 35](#_Toc119930163)

[4.1 Status of Issues 35](#_Toc119930164)

[5. Resolution 35](#_Toc119930165)

[5.1 ASWG Endorsement 35](#_Toc119930166)

[Glossary 36](#_Toc119930167)

Tables

[Table 1 Proposed Changes 7](#_Toc119669427)

[Table 2 Change Log 13](#_Toc119669428)

[Table 3 Impact Summary 33](#_Toc119669429)

[Table 4 Change Proposal Conformance Details 34](#_Toc119669430)

[Table 5 Issues list 35](#_Toc119669431)

[Table 6 ASWG Vote Results 35](#_Toc119669432)

Figures

**No table of contents entries found.**

# Change Proposal

This Change Proposal is to accommodate changes to the B2M system related to following requirements:

|  |  |  |  |
| --- | --- | --- | --- |
| **Function** | **Initiative** | **Procedure** | **Schema Requirement** |
| B2M | MSDR | [n/a](https://aemo.com.au/-/media/files/stakeholder_consultation/consultations/nem-consultations/2022/b2b-procedures-v38/final/b2b-procedure-one-way-notification-process-v38-clean.pdf?la=en) | * Add nillable attribute to existing aseXML schema element MeterMalfunctionExemptionExpiryDate. This is required to fix an issue identified during testing of the Meter Exemptions within MSDR project. * Increase length of existing aseXML schema element MeterMalfunctionExemptionNumber from 8 to 15. This is required to fix an issue identified during testing of the Meter Exemptions within MSDR project. * Update RM51 Report Name to reflect report request and response. * Removal of unsupported RM Report details CR64a and approved during the 5MS project * ~~Addition of BuildingOrPropertyName2 to AustralianStructuredAddressPartialComponents and AustralianStructuredAddressComponents for ICF\_070~~ * ~~Increase length of AustralianBuildingOrPropertyName from 30 to 50 characters~~ |

AEMO requests that the ASWG commence the formal change process cycle as soon as possible with a view of approving and publishing an updated schema version at the latest.

## 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 MeterMalfunctionExemptionExpiryDate element to enable the field to be nillable within the ElectricityNMIMasterGroup | Bug Fix |
| 2 | Update the MeterMalfunctionExemptionNumber element size from 8 to 15 within the MeterMalfunctionExemptionNumber simpleType | Bug Fix |
| 3 | Correction of RM51 Report Name to reflect report request and output | Bug Fix |
| 4 | Removal of unsupported RM Report details CR64a and approved during the 5MS project | Enhancement |
| ~~5~~ | ~~Addition of BuildingOrPropertyName2 to AustralianStructuredAddressPartialComponents and AustralianStructuredAddressComponents for ICF\_070~~ | ~~New~~ |
| ~~6~~ | ~~Increase length of existing element AustralianBuildingOrPropertyName from 30 to 50 characters~~ | ~~Fix~~ |

1. Proposed Changes

### Change Description

Changes are required to fix issues discovered during unit testing of Meter Exemptions and other related area.

~~Additon of BuildingorPropertyName2 is required to implement ICF\_070.~~

**Schema changes required for MSDR are as follows:**

* **Update allowed length of MeterMalfunctionExemptionNumber from 8 to 15.**
* **Add nillable=”true” attribute for MeterMalfunctionExemptionExpiryDate in ElectricityNMIMasterGroup**
* **Correction of RM51 report name from RegulatedSAPSGenerationReconcilation to RegulatedSAPSGeneratorReconcilation**
* **Removal of unused reports as approved in change request CR64a, report codes include: RM7, RM8, RM10, RM12, RM14, RM15, RM18 and RM19**
* **~~Addition of BuildingOrPropertyName2 to AustralianStructuredAddressPartialComponents and AustralianStructuredAddressComponents~~**

## Reason for Change

With the introduction of metering malfunction exemption registration into MSATS the exemption number and expiry date are recorded against the NMI Standing date.

The exemption number is a 15 digit value that needs to be recorded in the NMI Standing Data table.

When the malfunction is resolved the exemption number and expiry date need to be removed. Therefore, the MeterMalfunctionExemptionExpiryDate needs to be a nillable element within the ElectricityNMIMasterGroup.

Correction of RM51 report name error (opportunity to correct schema details)

Removal of unsupported RM reports (opportunity to clean up schema)

~~Addition of BuildingOrPropertyName2 to AustralianStructuredAddressPartialComponents and AustralianStructuredAddressComponents for ICF\_70.~~

**~~Overview:~~**

~~An ERCF Change Request, ICF\_70, initiated by Ausgrid, has been proposed to modify the aseXML schema in the MSATS system to accommodate a longer ‘Building Property Name’ field, extending it to 60 characters. In response, AEMO’s final determination of ICF\_70, as documented in the~~ [~~IESS Final Report section 5.1~~](https://aemo.com.au/-/media/files/stakeholder_consultation/consultations/nem-consultations/2023/integrating-energy-storage-systems-into-the-nem/final-stage/iess-final-report--retail--metering-procedures.pdf?la=en)~~, was to utilise the existing aseXML element, BuildingOrPropertyName2, aligning it with the AS 4590 Standards Australia guidelines, thereby ensuring standardised address representation and compliance.~~

**~~Detailed Explanation:~~**

~~Context:~~

* ~~ICF\_70 intends to enhance the precision of addressing data before the wider deployment of interval metering. It is scheduled to be procedurally effective from 1 November 2024 after implementing any required scheme changes.~~
* ~~According to Australian Standard AS4590[[2]](#footnote-3), support is provided for two 30-character fields: a Building/Property name 1 and a Building/Property name 2.~~

~~Proposed Alteration:~~

~~Update the aseXML schema to integrate BuildingOrPropertyName2 within AustralianStructuredAddressPartialComponents and AustralianStructuredAddressComponents to facilitate its application across all B2M transaction types, as its current exclusion prevents comprehensive utilisation.~~

~~Rationale:~~

~~Two options exist to transact two BuildingOrPropertyName elements via aseXML:~~

* ~~Option 1: Utilize the BuildingOrPropertyName field alone, allowing expression twice in a CATS transition, thus supporting 60 characters.~~

~~<xsd:element name="BuildingOrPropertyName" type="AustralianBuildingOrPropertyName" nillable="true" minOccurs="0" maxOccurs="2"/>~~

* ~~Option 2: Deploy two distinct elements, BuildingOrPropertyName and BuildingOrPropertyName2, also backing 60 characters for the same CATS transition.~~

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

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

~~Complications:~~

* ~~Option 1: There is no guarantee that the sequence of BuildingOrPropertyName instances will be preserved across different systems. For example, while Participant A’s system may store BuildingOrPropertyName as “Parliament House, North Wing”, Participant B might ingest the same aseXML file as “North Wing, Parliament House.” This discrepancy in sequencing could lead to inconsistent data interpretation and suboptimal market outcomes.~~
* ~~Option 2: The absence of BuildingOrPropertyName2 from the AustralianStructuredAddressPartialComponents and AustralianStructuredAddressComponents results in some CATS transactions failing schema validation. For example while CATS CRs and Notifications can successfully use BuildingOrPropertyName2, ReportResponses fail schema validation where BuildingOrPropertyName2 has been supplied.~~

~~Recommended Solution:~~

* ~~AEMO advises aligning the CATS/aseXML perspective of Building and Property Names with Australian Address Standards to avoid complications for participants relying on CATS-held data for address mapping to downstream IT systems. This alignment also aids in address-matching and data-cleansing processes based on a data source compliant with Australian Address Standards.~~
* ~~A schema alteration to include BuildingOrPropertyName2 into AustralianStructuredAddressPartialComponents and AustralianStructuredAddressComponents ensures the sequence is conserved, and the element can be used for all B2M (and B2B) interactions.~~
* ~~Maintaining the provision to articulate BuildingOrPropertyName twice is recommended, as NEM B2B data exchanges or Gas systems might necessitate it.~~

## Supplied Documents

Not applicable.

### Business process document

Fix issues found during testing and correct the schema.

### Other

Not applicable.

## Baseline Schema

The schema used as a basis for this proposal is r43.

# Approval Proposal

## Proposed Changes

### Draft schemas



### Change log

The following changes have been implemented in this draft:

|  |  |  |  |
| --- | --- | --- | --- |
| **Chg #** | **Item #** | **Description of change** | **Filename** |
| 1 |  | * Replace version of schema from r43 to r44 * Rename file to r44 version. | aseXML\_r44.xsd |
| 2 |  | * Registration of r44 release * Rename file to r44 version. | Events\_r44.xsd |
| ~~3~~ | ~~5~~ | * ~~Add BuildingOrPropertyName2 to AustralianStructuredAddressPartialComponents and AustralianStructuredAddressComponents~~ * ~~Increase length of existing element AustralianBuildingOrPropertyName from 30 to 50 characters~~ * ~~Rename file to r44 version~~ | ~~ClientInformation\_r44.xsd~~ |
| 3 | 2 | * Increase length of MeterMalfunctionExemptionNumber from 8 to 15 * Rename file to r44 version | Electricity\_r44.xsd |
| 4 | 1 | * Add nillable=”true” attribute to existing element MeterMalfunctionExemptionExpiryDate in ElectricityNMIMasterGroup * Rename file to r44 version | ElectricityMasterStandingData\_r44.xsd |
| 5 | 3,4 | * Remove following elements: * MDMTMDPDataDeliveryReportParameters - RM7 * MDMTDatePPSBMPGeneratedReportParameters -RM8 * MDMTMSPLoadAggregationErrorReportParameters - RM10 * MDMTWholesaleMaxValueReportParameters - RM12 * MDMTDataVersionComparisonReportParameters - RM14 * MDMTMultipleVersionsReportParameters - RM15 * MDMTElectricityIntervalDataReportParameters - RM18 * ~~AggregatedActualvsEstimate - RM19~~ * Cleanup of depcrecated report RM19 AggregatedActualvsEstimate element from documentation comments * Update ReportName for RM51 in documentation element from RegulatedSAPSGenerationReconcilation to RegulatedSAPSGeneratorReconcilation in MDMTSettlementCaseDetailsReportParameters. * Rename file to r44 version | MDMTReports\_r44.xsd |

1. Change Log

### Schema change description

#### aseXml\_r44.xsd

* New file to replace aseXML\_r44.xsd and include the r44 file versions listed below.

<xsd:schema xmlns="urn:aseXML:r44" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" targetNamespace="urn:aseXML:r44" version="r44" xsi:schemaLocation="urn:aseXML:r44 aseXML\_r44.xsd">

~~<xsd:include schemaLocation="ClientInformation\_r44.xsd">~~

<xsd:include schemaLocation="Electricity\_r44.xsd">

<xsd:include schemaLocation="ElectricityMasterStandingData\_r44.xsd"/>

<xsd:include schemaLocation="Events\_r44.xsd">

<xsd:include schemaLocation="MDMTReports\_r44.xsd">

#### ~~ClientInformation\_r44.xsd~~

* ~~Add BuildingOrPropertyName2 element to AustralianStructuredAddressPartialComponents and AustralianStructuredAddressComponents~~
* ~~Increase length of existing element AustralianBuildingOrPropertyName from 30 to 50 characters~~
* ~~Rename file to r44 version.~~

~~<xsd:complexType name="AustralianStructuredAddressPartialComponents">~~

~~<xsd:annotation>~~

~~<xsd:documentation>~~

~~Purpose - Define those fields of an Australian address that are only provided as part of a structured address~~

~~Detail - See the definition of AustralianAddress for more details. Note that all the fields are optional in this type to allow for only portions of an address to be provided. The AustralianStructuredAddressComponents type restricts the content of this type for the case where a complete address is being exchanged.~~

~~</xsd:documentation>~~

~~</xsd:annotation>~~

~~<xsd:sequence>~~

~~<xsd:element name="FlatOrUnit" minOccurs="0">~~

~~<xsd:complexType>~~

~~<xsd:sequence>~~

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

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

~~</xsd:sequence>~~

~~</xsd:complexType>~~

~~</xsd:element>~~

~~<xsd:element name="FloorOrLevel" minOccurs="0">~~

~~<xsd:complexType>~~

~~<xsd:sequence>~~

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

~~<xsd:element name="FloorOrLevelNumber" type="AustralianFloorOrLevelNumber" nillable="true"~~

~~minOccurs="0"/>~~

~~</xsd:sequence>~~

~~</xsd:complexType>~~

~~</xsd:element>~~

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

~~maxOccurs="2"/>~~

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

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

~~<xsd:element name="House" minOccurs="0" maxOccurs="2">~~

~~<xsd:complexType>~~

~~<xsd:sequence>~~

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

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

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

~~<xsd:element name="HouseNumberToSuffix" type="AustralianHouseNumberSuffix" nillable="true"~~

~~minOccurs="0"/>~~

~~</xsd:sequence>~~

~~</xsd:complexType>~~

~~</xsd:element>~~

~~…~~

~~…~~

~~…~~

~~<xsd:element name="PostalDeliveryNumberValue" type="AustralianPostalDeliveryNumberValue" minOccurs="0"/>~~

~~<xsd:element name="PostalDeliveryNumberSuffix" type="AustralianPostalDeliveryNumberSuffix" minOccurs="0"/>~~

~~</xsd:sequence>~~

~~</xsd:complexType>~~

~~</xsd:element>~~

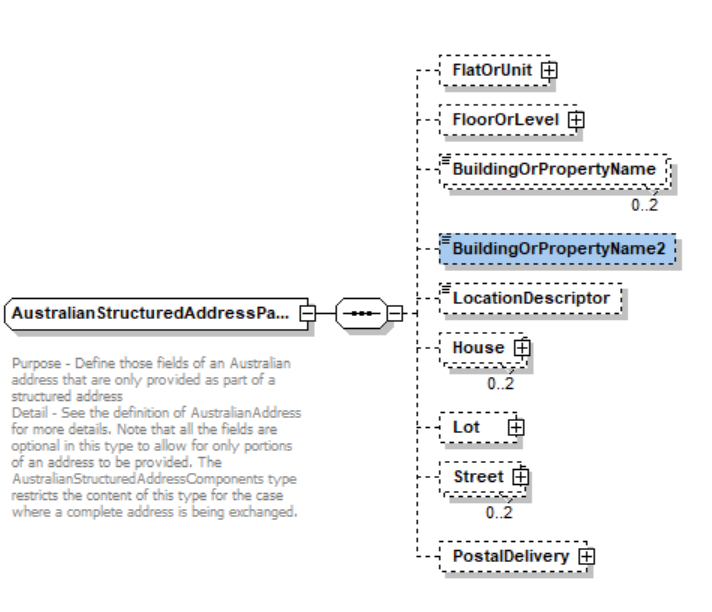
~~</xsd:sequence>~~

~~</xsd:complexType>~~

~~</xsd:element>~~

~~</xsd:sequence>~~

~~</xsd:complexType>~~

~~~~

~~<xsd:complexType name="AustralianStructuredAddressComponents">~~

~~<xsd:annotation>~~

~~<xsd:documentation>~~

~~Purpose - Define those fields of an Australian address that are only provided as part of a structured address~~

~~Detail - See the definition of AustralianAddress for more details. This type should be used where a complete address is being provided. If only part of an address is being provided, use the AustralianStructuredAddressPartialComponents type.~~

~~</xsd:documentation>~~

~~</xsd:annotation>~~

~~<xsd:sequence>~~

~~<xsd:element name="FlatOrUnit" minOccurs="0">~~

~~<xsd:complexType>~~

~~<xsd:sequence>~~

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

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

~~</xsd:sequence>~~

~~</xsd:complexType>~~

~~</xsd:element>~~

~~<xsd:element name="FloorOrLevel" minOccurs="0">~~

~~<xsd:complexType>~~

~~<xsd:sequence>~~

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

~~<xsd:element name="FloorOrLevelNumber" type="AustralianFloorOrLevelNumber" nillable="true"~~

~~minOccurs="0"/>~~

~~</xsd:sequence>~~

~~</xsd:complexType>~~

~~</xsd:element>~~

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

~~maxOccurs="2"/>~~

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

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

~~<xsd:element name="House" minOccurs="0" maxOccurs="2">~~

~~<xsd:complexType>~~

~~<xsd:sequence>~~

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

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

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

~~<xsd:element name="HouseNumberToSuffix" type="AustralianHouseNumberSuffix" nillable="true"~~

~~minOccurs="0"/>~~

~~</xsd:sequence>~~

~~</xsd:complexType>~~

~~</xsd:element>~~

~~…~~

~~…~~

~~…~~

~~<xsd:element name="PostalDelivery" minOccurs="0">~~

~~<xsd:complexType>~~

~~<xsd:sequence>~~

~~<xsd:element name="PostalDeliveryType" type="AustralianPostalDeliveryType" nillable="true"/>~~

~~<xsd:element name="PostalDeliveryNumber" minOccurs="0">~~

~~<xsd:complexType>~~

~~<xsd:sequence>~~

~~<xsd:element name="PostalDeliveryNumberPrefix" type="AustralianPostalDeliveryNumberPrefix" nillable="true" minOccurs="0"/>~~

~~<xsd:element name="PostalDeliveryNumberValue" type="AustralianPostalDeliveryNumberValue" nillable="true" minOccurs="0"/>~~

~~<xsd:element name="PostalDeliveryNumberSuffix" type="AustralianPostalDeliveryNumberSuffix" nillable="true" minOccurs="0"/>~~

~~</xsd:sequence>~~

~~</xsd:complexType>~~

~~</xsd:element>~~

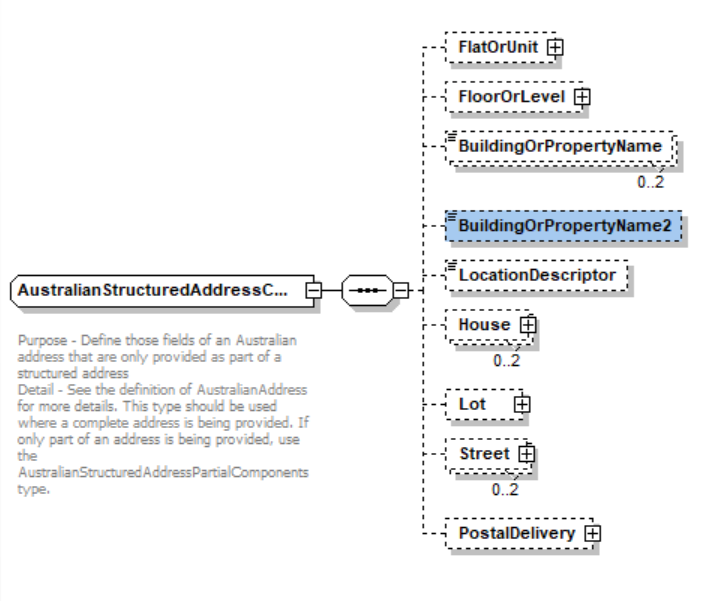
~~</xsd:sequence>~~

~~</xsd:complexType>~~

~~</xsd:element>~~

~~</xsd:sequence>~~

~~</xsd:complexType>~~

~~~~

* ~~Increase length of existing element AustralianBuildingOrPropertyName from 30 to 50 characters~~

~~<xsd:simpleType name="AustralianBuildingOrPropertyName">~~

~~<xsd:annotation>~~

~~<xsd:documentation>~~

~~Purpose - Define building or property name as per Australian Standard AS4590~~

~~</xsd:documentation>~~

~~</xsd:annotation>~~

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

~~<xsd:minLength value="1"/>~~

~~<xsd:maxLength value="50"/>~~

~~</xsd:restriction>~~

~~</xsd:simpleType>~~

#### Electricity\_r44.xsd

* Increase data length of existing element ‘MeterMalfunctionExemptionNumber from 8 to 15 characters
* Rename file to r44 version.

<xsd:simpleType name="MeterMalfunctionExemptionNumber">

<xsd:annotation>

<xsd:documentation>

Purpose - Identify the Meter Malfunction Exemption Number - MeterMalfunctionExemptionNumber

Details - The exemption number granted by AEMO when a meter malfunction exemption is granted

</xsd:documentation>

</xsd:annotation>

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

<xsd:maxLength value="15"/>

</xsd:restriction>

</xsd:simpleType>

#### ElectricityMasterStandingData\_r44.xsd

* Add nillable=”true” attribute to existing ‘MeterMalfunctionExemptionExpiryDate‘to ElectricityNMIMasterGroup and ElectricityNMIMasterGroup
* Rename file to r44 version

<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="HouseNumberTo" type="AustralianHouseNumber" nillable="true" minOccurs="0"/>

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

<xsd:element name="DPNumber" type="DepositedPlanNumber" 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="GNAFPID" type="GeocodedNationalAddressFilePersistentIdentifier" 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:element name="SharedIsolationPointFlag" type="SharedIsolationPointFlag" nillable="true" minOccurs="0"/>

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

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

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

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

<!-- can be skipped and have the nil value-->

</xsd:sequence>

</xsd:group>

#### Events\_r44.xsd

* New file to replace Events\_r43.xsd and include the r44 release identifier as below:

<xsd:simpleType name="r44">

<xsd:annotation>

<xsd:documentation>Purpose - Release r44 identifier.</xsd:documentation>

</xsd:annotation>

<xsd:restriction base="ReleaseIdentifier">

<xsd:enumeration value="r44"/>

</xsd:restriction>

</xsd:simpleType>

#### MDMTReports\_r44.xsd

* Remove following elements:
  + MDMTMDPDataDeliveryReportParameters - RM7
  + MDMTDatePPSBMPGeneratedReportParameters -RM8
  + MDMTMSPLoadAggregationErrorReportParameters - RM10
  + MDMTWholesaleMaxValueReportParameters - RM12
  + MDMTDataVersionComparisonReportParameters - RM14
  + MDMTMultipleVersionsReportParameters - RM15
  + MDMTElectricityIntervalDataReportParameters - RM18
  + ~~AggregatedActualvsEstimate – RM19~~
* Cleanup for depcrecated report RM19 AggregatedActualvsEstimate – This is just an update to documentation element for MDMTSettlementCaseDateRangeReportParameters complex type, wherein AggregatedActualvsEstimate (used for RM19) is removed from documentation comments.
* Update ReportName for RM51 in documentation element from RegulatedSAPSGenerationReconcilation to RegulatedSAPSGeneratorReconcilation in MDMTSettlementCaseDetailsReportParameters.
* Rename file to r44 version

<xsd:complexType name="MDMTSettlementCaseDetailsReportParameters">

<xsd:annotation>

<xsd:documentation>

Purpose - Parameter definition for SAPS Reconciliation

Report Name - RegulatedSAPSGeneratorReconcilation

MSATS Reports - RM51

</xsd:documentation>

</xsd:annotation>

<xsd:complexContent>

<xsd:extension base="BaseReportParameters">

<xsd:sequence>

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

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

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

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

</xsd:sequence>

</xsd:extension>

</xsd:complexContent>

</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\_r44.xsd |
| R44 |  |  |  | Events\_r44.xsd |
| ElectricityNMIMasterGroup | ElectricityCATSChangeRequestNMIMasterRow  ElectricityNMIMasterRowBDT  ElectricityNMIMasterRow | ElectricityStandingData | NMIStandingDataResponse  ReportResponse  CATSChangeRequest | ElectricityMasterStandingData\_r44.xsd |
| MDMTSettlementCaseDetailsReportParameters |  |  |  | MDMTReports\_r44.xsd |
| ~~AustralianAddress~~  ~~AustralianAddressSearch~~  ~~AustralianPartialAddress~~ | ~~AustralianStructuredAddressComponents~~  ~~AustralianStructuredAddressPartialComponents~~  ~~AustralianBuildingOrPropertyName~~ |  |  | ~~ClientInformation\_r44.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[[3]](#footnote-4)** | **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 |
| AEMO | Australian Energy Market Operator |
| ASWG | aseXML Standards Working Group |
| B2B | Business-to-Business |
| MXN | Meter Exchange Notification |
| PIN | PlannedInterruptionNotification |
| SO | Service Orders |

1. Change Type can be one of

   New

   Enhancement, or

   Bug Fix [↑](#footnote-ref-2)
2. AS 4590 is a Standards Australia guideline for consistent information exchange, including standardised address representation, ensuring data uniformity across systems. The Australia Post formatting standards are effectively contained in AS4590, which describes ‘Building Property Name’ as two 30-character fields [here](https://auspost.com.au/content/dam/auspost_corp/media/documents/australia-post-data-guide.pdf) [↑](#footnote-ref-3)
3. Either ‘Open’ or ‘Closed’ [↑](#footnote-ref-4)