

aseXML SCHEMA CHANGE REQUEST

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DRAFT/FINAL DRAFT

Version Release History

Version	Date	By	Changes
1.0	05/10/2012	Nandkumar Gaikwad	Change proposal to <ul style="list-style-type: none"> • Provide an additional transaction of NMI Discovery Type 3 (Incumbent Retailer) • Remove enumeration restriction on DataStreamType.
1.1	18/10/2012	Nandkumar Gaikwad	Changed the proposed new transaction to make it generic
1.2	07/11/2012	Oleg Pevzner	<ul style="list-style-type: none"> • Provide an additional transaction of NMI Discovery Type 3 Response (Incumbent Retailer) • Add From Date and To Date to NMI, Role, Stream, Meter and Register response data
1.3	26/11/2012	Oleg Pevzner	Remove the technical proposal of new transaction for NMI Discovery of Type 3 and instead incorporate the technical option proposed by ASWG to meet the same business requirement.

Glossary

Abbreviation	Description
TUOS	Transmission Usage of System
TADF	Transmission System Demand Forecasting

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1 Change Proposal

This Change Request consists of two changes.

- New NMI Discovery of Type3
- Remove enumeration restriction on the simple type DataStreamType

1.1 Description of the proposed change

The proposed changes are listed in the following table.

Item#	Change Description	Change Type ¹
1	Change URN and version for the schema, change links to files where the xsd files have changed.	Enhancement
2	Add new simple Type for version r31	New
3	Add simple type NMISTandingDataRequestType	New
4	Add simple type NMISTandingDataRequestReason	New
5	Add optional Type of NMISTandingDataRequestType type and Reason of NMISTandingDataRequestReason type to NMISTandingDataRequest complex type	Enhancement
6	Change the version attribute of the NMISTandingDataRequest	Enhancement
7	AddFromDate and ToDate to RoleAssignment complex type	Enhancement
8	Change the version attribute of versioned types impacted by change to RoleAssignment	Enhancement
9	AddFromDate and ToDate to ElectricityMeterRegisterDetail complex type	Enhancement
10	Change the version attribute of versioned types impacted by change to ElectricityMeterRegisterDetail	Enhancement
11	AddFromDate and ToDate to ElectricityMasterStandingData complex type	Enhancement
12	Change the version attribute of versioned types impacted by change to ElectricityMasterStandingData	Enhancement
13	AddFromDate and ToDate to ElectricityMeter complex type	Enhancement
14	Change the version attribute of versioned types impacted by change to ElectricityMeter	Enhancement
15	AddFromDate and ToDate to ElectricityDataStream complex type	Enhancement
16	Change the version attribute of versioned types impacted by change to ElectricityDataStream Type	Enhancement

¹ Change Type can be one of

- New
- Enhancement, or
- Bug Fix

17	Remove the enumeration restriction on simple type DataStreamType	Enhancement
18	Remove the enumeration restriction on simple type MDMTRReportsDataStreamType which is restricted to be of type DataStreamType but has the enumeration values redefined.	Enhancement
19	Change the version attribute of versioned types impacted by change to DataStreamType	Enhancement

Table 1-1, Proposed Changes

1.2 Reason for Change

The first change is to amend existing transaction NMI Standing Data Request which will help retailers to find out the current or most recent retailer for a NMI. In situations such as erroneous transfers, site abolishment, the retailers need get this information. The need for this has been discussed, assessed and approved in the B2B & MSATS Reference Group (BMRG).

The second change relates to way AEMO addresses the needs of TUOS (Transmission Usage of System) and TSDF (Transmission System Demand Forecasting) in the state of Victoria. It has been decided to use MSATS to address the needs of TUOS and TSDF. That requires additional data-stream types than are currently available (e.g. data stream which store reactive energy that is not used for market settlement). It is proposed to meet this need by removing the enumeration restriction on data-stream simple type. This will enable alterations to data-stream types in future without having to undertake schema version upgrade. The validation around data-stream types will be forced in respective market systems. These changes are scheduled for release into the Production systems in early May 2013.

1.3 Supplied Documents

1.3.1 Business process document

-None-

1.3.2 Other

aseXML_r31_Draft_zip

1.4 Baseline Schema

The schema used as a basis for this proposal is aseXML_r30.xsd.

2 Approval Proposal

2.1 Proposed Change

2.1.1 Draft schema

The draft schema is attached as aseXML_r31_Draft_zip.

2.1.2 Change log

The following changes have been implemented in this draft:

Chg #	Item #	Description of change	Filename
1	1	Change the xmlns URN and version number of the schema. Change the links to xsd files that have changed.	aseXML_r31.xsd
2	2	Add simpleType r31	Events_r31.xsd
3	3	Add a new simple type called NMISstandingDataRequestType	Electricity_r31.xsd
4	4	Add a new simple type called NMISstandingDataRequestReason	Electricity_r31.xsd
5	5	Add optional Type of NMISstandingDataRequestType type andReason of NMISstandingDataRequestReason type to NMISstandingDataRequest complex type	NMIDataAccess_r31.xsd
6	6	Change the version attribute of the NMISstandingDataRequest	NMIDataAccess_r31.xsd
7	7	Add FromDate and ToDate to RoleAssignment complex type	Common_r31.xsd
8	8	Add FromDate and ToDate to ElectricityMeterRegisterDetail complex type	Electricity_r31.xsd
9	9	Add FromDate and ToDate to ElectricityMasterStandingData complex type	ElectricityMasterStandingData.xsd
10	10	Add FromDate and ToDate to ElectricityMeter complex type	Electricity_r31.xsd
11	11	Add FromDate and ToDate to ElectricityDataStream complex type	Electricity_r31.xsd
12	12	Remove the enumeration restriction on simple type DataStreamType	Electricity_r31.xsd
13	12	Remove the enumeration restriction on simple type MDMTReportsDataStreamType which is restricted to be of type DataStreamType but has the enumeration values redefined.	Electricity_r31.xsd
14	14	Change the version attribute of the following versioned types impacted by change to DataStreamType, RoleAssignment, ElectricityMeterRegisterDetail, ElectricityMasterStandingData, ElectricityMeter	

	and ElectricityDataStream Types.	
	ElectricityNMIDataStreamRow ElectricityNMIDataStreamRowBDT ElectricityCATSChangeRequestNMIDataStreamRow	CATSTableReplication_r31.xsd
	ElectricityStandingData	Electricity_r31.xsd
	AllocationNotification ReconciliationNotification SwingServiceNotification	Bar_r31.xsd
	GasStandingSata	Gas_r31.xsd

Table 2-1 Change Log

2.1.3 Schema change description

2.1.3.1 aseXML_r31.xsd

Changed the URN and references to XSD files changed i.e. CATSTableReplication_r31.xsd, , NMIDataAccess_r31.xsd, Electricity_r31.xsd, Events_r31.xsd, BAR_r31.xsd and Gas_r31.

2.1.3.2 Events_r31.xsd

Added simple type r31 to support the schema change.

2.1.3.3 NMIDataAccess_r31.xsd

Amend complex type NMISTandingDataRequest as follows:

```
<xsd:complexType name="NMISTandingDataRequest">
  <xsd:annotation>
    <xsd:documentation>
      Application - NMI Data Access
      TransactionExchange - NMI Standing Data
      TransactionGroup - NMID
      Priority - High
      Purpose - Request the current standing data for a particular NMI
      Detail - The checksum should be provided with the NMI.
    </xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="NMI" type="NMIWithChecksum" />
    <xsd:element name="Type" type="NMISTandingDataRequestType" minOccurs="0" />
    <xsd:element name="Reason" type="NMISTandingDataRequestReason" minOccurs="0"/>
  </xsd:sequence>
  <xsd:attribute name="version" type="r31" use="optional" default="r31"/>
</xsd:complexType>
```

2.1.3.4 Electricity_r31.xsd

Add a simple type called NMISharingDataRequestType to support the new transaction

```
<xsd:simpleType name="NMISharingDataRequestType">
  <xsd:annotation>
    <xsd:documentation>
```

The type of NMI Discovery. This will be mandatory in transaction of NMI Discovery of Type 3.

The values will be codified in the MSATS back end system. The types are not being implemented in schema as enumerations. That is to avoid making a schema version upgrade for a change types.

Currently the reasons proposed to be implemented in MSATS backend are

```
</xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:string">
    <xsd:maxLength value="15"/>
  </xsd:restriction>
</xsd:simpleType>
```

Add a simple type called NMISharingDataRequestReason to support the new transaction

```
<xsd:simpleType name="NMISharingDataRequestReason">
  <xsd:annotation>
    <xsd:documentation>
```

The reason for performing NMI Discovery. This will be mandatory in transaction of NMI Discovery of Type 3

The reasons will be codified in the MSATS back end system. The reasons are not being implemented in schema as enumerations. That is to avoid making a schema version upgrade for a change to reason codes.

Currently the reasons proposed to be implemented in MSATS backend are

MCR - Missed CR1500 error

ITD - Incorrect transfer date error

NNS - New NMI Setup error

TRM - Transfer missed error

TRI - Transferred in error

OTR - Other transfer errors

SAB - Site Abolishment

```
</xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:string">
    <xsd:maxLength value="15"/>
  </xsd:restriction>
</xsd:simpleType>
```

Remove enumeration restriction on simple type DataStreamType

```
<xsd:simpleType name="DataStreamType">
  <xsd:annotation>
    <xsd:documentation>
```

Purpose - Identify data stream type

MSATS Data Model Column - DataStreamType

~~Detail - Non Interval has the same meaning as consumption.~~


```

    </xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:string" />
    <xsd:enumeration value="Interval"/>
    <xsd:enumeration value="Non-Interval"/>
    <xsd:enumeration value="Consumption"/>
    <xsd:enumeration value="Profile"/>
  </xsd:restriction>
</xsd:simpleType>

```

Change the version attribute of versioned type ElectricityStandingData impacted by removal of enumeration of DataStreamType RoleAssignment, ElectricityMeterRegisterDetail, ElectricityMasterStandingData, ElectricityMeter, ElectricityDataStream Types :

Change from : <xsd:attribute name="version" type="r25" use="optional"/>

Change to : <xsd:attribute name="version" type="r31" use="optional" default="r31"/>

Add FromDate and ToDate to ElectricityMeter, ElectricityDataStream and ElectricityMeterRegisterDetail.

```

<xsd:complexType name="ElectricityMeterRegisterDetail">
  <xsd:annotation>
    <xsd:documentation>
      Purpose - container for information about a register within an electricity meter
    </xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="RegisterID" type="MeterRegisterIdentifier" minOccurs="0"/>
    <xsd:element name="NetworkTariffCode" type="NetworkTariffCode" nillable="true" minOccurs="0"/>
    <xsd:element name="NetworkAdditionalInformation" type="MeterNetworkAdditionalInformation"
      nillable="true" minOccurs="0"/>
    <xsd:element name="UnitOfMeasure" type="MeterUnitOfMeasure" nillable="true" minOccurs="0"/>
    <xsd:element name="TimeOfDay" type="MeterTimeOfDay" nillable="true" minOccurs="0"/>
    <xsd:element name="Multiplier" type="MeterMultiplier" nillable="true" minOccurs="0"/>
    <xsd:element name="DialFormat" type="MeterDialFormat" nillable="true" minOccurs="0"/>
    <xsd:element name="Suffix" type="NMIDataStreamSuffix" nillable="true" minOccurs="0"/>
    <xsd:element name="ControlledLoad" type="MeterControlledLoad" nillable="true" minOccurs="0"/>
    <xsd:element name="ConsumptionType" type="MeterConsumptionType" nillable="true" minOccurs="0"/>
    <xsd:element name="Demand1" type="MeterDemand" nillable="true" minOccurs="0"/>
    <xsd:element name="Demand2" type="MeterDemand" nillable="true" minOccurs="0"/>
    <xsd:element name="Status" type="MeterRegisterStatusCode" nillable="true" minOccurs="0"/>
    <xsd:element name="DirectionIndicator" type="DirectionIndicator" nillable="true" minOccurs="0"/>
    <xsd:element name="PreviousReading" type="ElectricityMeterReadData" nillable="true" minOccurs="0"/>
    <xsd:element name="HighLowConsumption" type="HighLowConsumption" nillable="true"
      minOccurs="0"/>
    <xsd:element name="FromDate" type="xsd:date" minOccurs="0"/>
    <xsd:element name="ToDate" type="xsd:date" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>

```

```

<xsd:complexType name="ElectricityMeter">
  <xsd:annotation>
    <xsd:documentation>
      Purpose - container for electricity meter information
    </xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="SerialNumber" type="MeterSerialNumber" nillable="true" minOccurs="0"/>
    <xsd:element name="NextScheduledReadDate" type="xsd:date" nillable="true" minOccurs="0"/>
    <xsd:element name="Location" type="MeterLocation" nillable="true" minOccurs="0"/>
  </xsd:sequence>

```

```

<xsd:element name="Hazard" type="MeterHazard" nillable="true" minOccurs="0"/>
<xsd:element name="InstallationTypeCode" type="MeterInstallationTypeCode" nillable="true"
minOccurs="0"/>
<xsd:element name="Route" type="MeterRoute" nillable="true" minOccurs="0"/>
<xsd:element name="Use" type="MeterUse" nillable="true" minOccurs="0"/>
<xsd:element name="Point" type="MeterPoint" nillable="true" minOccurs="0"/>
<xsd:element name="Manufacturer" type="MeterManufacturer" nillable="true" minOccurs="0"/>
<xsd:element name="Model" type="MeterModel" nillable="true" minOccurs="0"/>
<xsd:element name="TransformerLocation" type="MeterTransformerLocation" nillable="true"
minOccurs="0"/>
<xsd:element name="TransformerType" type="MeterTransformerType" nillable="true" minOccurs="0"/>
<xsd:element name="TransformerRatio" type="MeterTransformerRatio" nillable="true" minOccurs="0"/>
<xsd:element name="Constant" type="MeterConstant" nillable="true" minOccurs="0"/>
<xsd:element name="LastTestDate" type="xsd:date" nillable="true" minOccurs="0"/>
<xsd:element name="NextTestDate" type="xsd:date" nillable="true" minOccurs="0"/>
<xsd:element name="TestResultAccuracy" type="MeterTestResultAccuracy" nillable="true"
minOccurs="0"/>
<xsd:element name="TestResultNotes" type="MeterTestResultNotes" nillable="true" minOccurs="0"/>
<xsd:element name="TestPerformedBy" type="MeterTestPerformedBy" nillable="true" minOccurs="0"/>
<xsd:element name="MeasurementType" type="MeterMeasurementType" nillable="true"
minOccurs="0"/>
<xsd:element name="ReadTypeCode" type="MeterReadTypeCode" nillable="true" minOccurs="0"/>
<xsd:element name="RemotePhoneNumber" type="MeterRemotePhoneNumber" nillable="true"
minOccurs="0"/>
<xsd:element name="CommunicationsEquipmentType" type="MeterCommunicationsEquipmentType"
nillable="true" minOccurs="0"/>
<xsd:element name="CommunicationsProtocol" type="MeterCommunicationsProtocol" nillable="true"
minOccurs="0"/>
<xsd:element name="DataConversion" type="MeterDataConversion" nillable="true" minOccurs="0"/>
<xsd:element name="DataValidations" type="MeterDataValidations" nillable="true" minOccurs="0"/>
<xsd:element name="Status" type="MeterStatusCode" minOccurs="0"/>
<xsd:element name="Program" type="MeterProgram" nillable="true" minOccurs="0"/>
<xsd:element name="AdditionalSiteInformation" type="MeterAdditionalSiteInformation" nillable="true"
minOccurs="0"/>
<xsd:element name="EstimationInstructions" type="MeterEstimationInstructions" nillable="true"
minOccurs="0"/>
<xsd:element name="AssetManagementPlan" type="MeterAssetManagementPlan" nillable="true"
minOccurs="0"/>
<xsd:element name="CalibrationTables" type="MeterCalibrationTables" nillable="true" minOccurs="0"/>
<xsd:element name="UserAccessRights" type="MeterUserAccessRights" nillable="true" minOccurs="0"/>
<xsd:element name="Password" type="MeterPassword" nillable="true" minOccurs="0"/>
<xsd:element name="TestCalibrationProgram" type="MeterTestCalibrationProgram" nillable="true"
minOccurs="0"/>
<xsd:element name="KeyCode" type="KeyCode" nillable="true" minOccurs="0"/>
<xsd:element name="CustomerFundedMeter" type="CustomerFundedMeter" nillable="true"
minOccurs="0"/>
<xsd:element name="DisplayType" type="DisplayType" nillable="true" minOccurs="0"/>
<xsd:element name="RegisterConfiguration" type="ElectricityMeterRegisterConfiguration" nillable="true"
minOccurs="0"/>
<xsd:element name="FromDate" type="xsd:date" minOccurs="0"/>
<xsd:element name="ToDate" type="xsd:date" minOccurs="0"/>
</xsd:sequence>
</xsd:complexType>

<xsd:complexType name="ElectricityDataStream">
  <xsd:annotation>
    <xsd:documentation>
      Purpose - container for electricity data stream information
    </xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="Suffix" type="NMIDataStreamSuffix" nillable="true"/>
    <xsd:element name="ProfileName" type="ProfileName" nillable="true" minOccurs="0"/>
    <xsd:element name="AveragedDailyLoad" type="AveragedDailyLoad" nillable="true" minOccurs="0"/>
    <xsd:element name="DataStreamType" type="DataStreamType" nillable="true" minOccurs="0"/>
    <xsd:element name="Status" type="NMIStatusCode" nillable="true" minOccurs="0"/>
    <xsd:element name="FromDate" type="xsd:date" minOccurs="0"/>
    <xsd:element name="ToDate" type="xsd:date" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>

```

2.1.3.5 CATSTableReplication_r31.xsd

Change the version attribute of versioned type ElectricityNMIDataStreamRow impacted by removal of enumeration of DataStreamType :

Change from : <xsd:attribute name="version" type="r9" use="optional"/>

Change to : <xsd:attribute name="version" type="r31" use="optional" default="r31"/>

Change the version attribute of versioned type ElectricityNMIDataStreamRowBDT impacted by removal of enumeration of DataStreamType :

Change from : <xsd:attribute name="version" type="r9" use="optional"/>

Change to : <xsd:attribute name="version" type="r31" use="optional" default="r31"/>

Change the version attribute of versioned type ElectricityCATSChangeRequestNMIDataStreamRow impacted by removal of enumeration of DataStreamType :

Change from : <xsd:attribute name="version" type="r29" use="optional" default="r29"/>

Change to : <xsd:attribute name="version" type="r31" use="optional" default="r31"/>

2.1.3.6 MDMTReports_r31.xsd

Remove the enumeration restriction on MDMTReportsDataStreamType

```
<xsd:simpleType name="MDMTReportsDataStreamType">
```

```
  <xsd:annotation>
```

```
    <xsd:documentation>
```

Purpose - MDM Reports only provide support for "Interval" and "Consumption" data streams. That restriction is implemented in MSATS.

```
  </xsd:documentation>
```

```
  </xsd:annotation>
```

```
  <xsd:restriction base="DataStreamType" />
```

```
    <xsd:enumeration value="Interval"/>
```

```
    <xsd:enumeration value="Consumption"/>
```

```
  </xsd:restriction>
```

```
</xsd:simpleType>
```

2.1.3.7 ElectricityMasterStandingData.xsd

Add FromDate and ToDate ElectricityMasterStandingData type:

```
<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="CustomerThresholdCode" type="EMSDCustomerThresholdCode" nillable="true"
minOccurs="0"/>
    <xsd:element name="FromDate" type="xsd:date" minOccurs="0"/>
    <xsd:element name="ToDate" type="xsd:date" minOccurs="0"/>
</xsd:sequence>
</xsd:complexType>

```

2.1.3.8 Common_r31.xsd

Add FromDate and ToDate to RoleAssignment.

```

<xsd:complexType name="RoleAssignment">
    <xsd:annotation>
        <xsd:documentation>
            Purpose - Associate a party with a role they are performing or intend to perform.
        </xsd:documentation>
    </xsd:annotation>
    <xsd:sequence>
        <xsd:element name="Party" type="PartyIdentifier" nillable="true" minOccurs="0"/>
        <xsd:element name="Role" type="RoleIdentifier"/>
        <xsd:element name="FromDate" type="xsd:date" minOccurs="0"/>
        <xsd:element name="ToDate" type="xsd:date" minOccurs="0"/>
    </xsd:sequence>
</xsd:complexType>

```

2.1.3.1 Gas_r31.xsd

Change the version attribute of versioned GasStandingData type impacted by changing of RoleAssignments type:

Change from : <xsd:attribute name="version" type="r29" use="optional" default="r29"/>

Change to : <xsd:attribute name="version" type="r31" use="optional" default="r31"/>

2.1.3.2 Bar_r31.xsd

Change the version attribute of versioned AllocationNotification type impacted by changing of ShipperChangeRequestType type:

Change from : <xsd:attribute name="version" type="r13" use="required"/>

Change to : <xsd:attribute name="version" type="r31" use="optional" default="r31"/>

Change the version attribute of versioned AllocationNotification type impacted by changing of QuantityNotification type:

Change from : <xsd:attribute name="version" type="r13" use="required"/>

Change to : <xsd:attribute name="version" type="r31" use="optional" default="r31"/>

Change the version attribute of versioned ReconciliationNotification type impacted by changing of QuantityNotification type:

Change from : <xsd:attribute name="version" type="r13" use="required"/>

Change to : <xsd:attribute name="version" type="r31" use="optional" default="r31"/>

Change the version attribute of versioned SwingServiceNotification type impacted by changing of QuantityNotification type:

Change from : <xsd:attribute name="version" type="r13" use="required"/>

Change to : <xsd:attribute name="version" type="r31" use="optional" default="r31"/>

2.1.4 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.
- 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 type	Derived types	Versioned types affected	Transactions potentially affected	Schema files affected
DataStreamType MDMTReportsDataStreamType	ElectricityNMIDataStreamGroup ElectricityDataStream ElectricityDataStreams a	ElectricityNMIDataStreamRow ElectricityNMIDataStreamRowBDT ElectricityCATSChangeRequestNMIDataStreamRow ElectricityStandingData	ReplicationNotification ReportResponse NMIDiscoveryResponse NMISstandingDataResponse CATSChangeRequest CATSNotification CATSDataRequest ServiceOrderRequest ServiceOrderResponse AmendMeterRouteDetails AccountCreationNotification MeterReadInputNotification SpecialReadRequest SpecialReadResponse NMISstandingDataUpdateNotification CATSBulkDataRequest	CATSTableReplication_r31.xsd Electricity_r31.xsd MDMTReports_r31.xsd
NMISstandingDataRequestType (New) NMISstandingDataRequestReason (New)		NMISstandingDataRequest	NMISstandingDataRequest	NMIDataAccess_r31.xsd

Modified type	Derived types	Versioned types affected	Transactions potentially affected	Schema files affected
RoleAssignment	RoleAssignments ParticipantQuantityType ShipperChangeRequestType QuantityNotification	AllocationNotification ReconciliationNotification SwingServiceNotification ElectricityStandingData GasStandingData	ReconciliationNotification AllocationNotification SwingServiceNotification NMIDiscoveryResponse NMISTandingDataResponse CATSChangeRequest CATSNotification CATSDataRequest ServiceOrderRequest ServiceOrderResponse AmendMeterRouteDetails AccountCreationNotification MeterReadInputNotification SpecialReadRequest SpecialReadResponse NMISTandingDataUpdateNotification CATSBulkDataRequest	Common_r31.xsd BAR_r31.xsd Electricity_r31.xsd Gas_r31.xsd

Modified type	Derived types	Versioned types affected	Transactions potentially affected	Schema files affected
ElectricityMeterRegisterDetail	ElectricityMeterRegisterConfiguration ElectricityMeter ElectricityMeters	ElectricityStandingData	NMIDiscoveryResponse NMISstandingDataResponse CATSChangeRequest CATSNotification CATSDataRequest ServiceOrderRequest ServiceOrderResponse AmendMeterRouteDetails AccountCreationNotification MeterReadInputNotification SpecialReadRequest SpecialReadResponse NMISstandingDataUpdateNotification CATSBulkDataRequest	Electricity_r31.xsd
ElectricityMasterStandingData		ElectricityStandingData	NMIDiscoveryResponse NMISstandingDataResponse CATSChangeRequest CATSNotification CATSDataRequest ServiceOrderRequest ServiceOrderResponse AmendMeterRouteDetails AccountCreationNotification MeterReadInputNotification SpecialReadRequest SpecialReadResponse NMISstandingDataUpdateNotification CATSBulkDataRequest	ElectricityMasterStandingData.xsd Electricity_r31.xsd

Modified type	Derived types	Versioned types affected	Transactions potentially affected	Schema files affected
ElectricityMeter	ElectricityMeters	ElectricityStandingData	NMIDiscoveryResponse NMISstandingDataResponse CATSChangeRequest CATSNotification CATSDataRequest ServiceOrderRequest ServiceOrderResponse AmendMeterRouteDetails AccountCreationNotification MeterReadInputNotification SpecialReadRequest SpecialReadResponse NMISstandingDataUpdateNotification CATSBulkDataRequest	Electricity_r31.xsd
ElectricityDataStream	ElectricityDataStreams	ElectricityStandingData	NMIDiscoveryResponse NMISstandingDataResponse CATSChangeRequest CATSNotification CATSDataRequest ServiceOrderRequest ServiceOrderResponse AmendMeterRouteDetails AccountCreationNotification MeterReadInputNotification SpecialReadRequest SpecialReadResponse NMISstandingDataUpdateNotification CATSBulkDataRequest	Electricity_r31.xsd

Table 2-2, Impact Summary

2.1.5 Developer Test

2.1.5.1 Test Platforms

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

- MSXML4 SP1 and MSXML 6
- Xerces 2.2.1 and Xerces 2.2.9
- XMLSpy 2012

2.1.5.2 Test Cases

Following sample test files have been tested with XMPSpy 2012

NEMMSATS_NMIDiscoveryRequestType2_r31.xml
NEMMSATS_NMIDiscoveryRequestType3_r31.xml
NEMMSATS_NMIDiscoveryRequestType3_Invalid_r31.xml
NEMMSATS_NMIDiscoveryType3_Response_ITD_r31.xml
NEMMSATS_NMIDiscoveryType3_Response_NNS_OTR_SAB_r31.xml
NEMMSATS_NMIDiscoveryType3_Response_MCR_TRM_r31.xml
NEMMSATS_NMIDiscoveryType3_Response_TRI_r31.xml

NEMMSATS_catsm_energyapbatch_2501_CustClass_r31.xml
NEMMSATS_ReportResponseNMIMasterMeterConfig_r31.xml
NEMMSATS_catsm_energyapbatch_2501_CustClass_r31.xml
NEMMSATS_catsm_NMIStandingDataResponse_r31.xml
NEMMSATS_ChangeRequestAllFieldsMeterConfig_r31.xml
NEMMSATS_NMIStandingDataResponseMeterConfig_r31.xml
NEMMSATS_SnapshotReportMasterDataStreams_r31.xml

3 Proposal Assessment

3.1 Test

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

3.1.1 Test Platforms

Supplied samples have been tested using the following parsers:

- MSXML4 SP1 and MSXML 6
- Xerces 2.2.1 and Xerces 2.2.9
- XMLSpy 2012

3.1.2 Test Cases

Have provided following files as test cases

NEMMSATS_NMIDiscoveryRequestType2_r31.xml

NEMMSATS_NMIDiscoveryRequestType3_r31.xml

NEMMSATS_NMIDiscoveryRequestType3_Invalid_r31.xml

NEMMSATS_NMIDiscoveryType3_Response_ITD_r31.xml

NEMMSATS_NMIDiscoveryType3_Response_NNS_OTR_SAB_r31.xml

NEMMSATS_NMIDiscoveryType3_Response_MCR_TRM_r31.xml

NEMMSATS_NMIDiscoveryType3_Response_TRI_r31.xml

NEMMSATS_catsm_energyapbatch_2501_CustClass_r31.xml

NEMMSATS_ReportResponseNMIMasterMeterConfig_r31.xml

NEMMSATS_catsm_energyapbatch_2501_CustClass_r31.xml

NEMMSATS_catsm_NMIStandingDataResponse_r31.xml

NEMMSATS_ChangeRequestAllFieldsMeterConfig_r31.xml

NEMMSATS_NMIStandingDataResponseMeterConfig_r31.xml

NEMMSATS_SnapshotReportMasterDataStreams_r31.xml

3.1.3 Test Results

<All OK... or note issues>

3.2 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
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aseXML_r31.xsd	1	<Conforms... or note non-conformance>
Events_r31.xsd	2	<Conforms... or note non-conformance>

Table 3-1, Change Proposal Conformance Details

4 Issue Register

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

4.1 Status of Issues

Issue#	Item#	Description and Discussion	Status ²	Resolution
1				

Table 4-1, Issues list

5 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.

5.1 ASWG Endorsement

The results of the ASWG vote are as follows:

Date of Vote: ??/??/????

Option	# Votes	% Vote
Option 1 (section 2.1)		
Option 2 (section 2.2)		
Option # (section 2.#)		
Abstained		
Total Members Present		

Table 5-1, ASWG Vote Results

² Either 'Open' or 'Closed'