

Schema Release

AseXML Schema Working Group

Release r25

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Document History

Version	Date	Authors	Comments
1.0	25 Mar 2009	Andrew Screen	

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1. Introduction

Version r25 of the aseXML schema has been developed from r24. This schema release is presented to aseXML Subscribers and Industry Participants for review and to NEMMCO for approval, in accordance with the ASWG Terms of Reference.

2. Change Requests

The following ASWG Change Requests have been included in this schema release:

CR#	Description
38	B2B One Way Notification, New NMI Standing Data Feeder Class and extensible Electricity Master Standing Data and new version for Meter Data Notifications

These Change Requests are available from the ASWG or the aseXML website (www.aseXML.com) for review by all impacted parties.

3. Impact Summary

This table identifies the files, transactions and versioned types that are changed in this schema, where:

- Modified types - is a full list of types changed in this schema
- 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 to use this schema
- 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 have been changed in some way for this schema.

Modified types	Derived types	Versioned types affected	Transactions potentially affected	Schema files affected
TransactionGroup				Header_r25.xsd
Transaction				Transactions_r25.xsd
FeederClass (new)	ElectricityMasterStandingData ElectricityNMIMasterGroup	ElectricityStandingData ElectricityNMIMasterRowBDT ElectricityNMIMasterRow ElectricityCATSChangeRequestNMI MasterRow	All transactions that use ElectricityStandingData Replication Reports	Electricity CATSTableReplication ElectricityMasterStandingData
CSVDataWithName (New)	OneWayNotification (new)	MeterDataNotification	MeterDataNotifications	MeterDataManagement Common OneWayNotification (new)

4. File Change Summary

The following file changes are implemented to create the r25 schema version

4.1. aseXML

- Update schema namespace to "urn:aseXML:r25".
- Update Event schema to "Events_r25.xsd".
- Update Header schema to "Header_r25.xsd".
- Update Transactions schema to "Transactions_25.xsd".
- Update Common schema to "Common_r25.xsd".
- Update Electricity schema to "Electricity_r25.xsd".
- Update CATS Table Replication schema to "CATSTableReplication_r25.xsd".
- Include new schema file: "ElectricityMasterStandingData"
- Update MeterDataManagement schema to "MeterDataManagement_r25.xsd".
- Add new One Way Notification schema "OneWayNotification_r25.xsd".

```
<xsd:include schemaLocation="OneWayNotification_r25.xsd">
  <xsd:annotation>
    <xsd:documentation>
      Purpose - Include data types for One Way Notification transactions
    </xsd:documentation>
  </xsd:annotation>
</xsd:include>
```

4.2. Events

- Add r25 release identifier.

```
<xsd:simpleType name="r25">
  <xsd:annotation>
    <xsd:documentation>Purpose - Release r25 identifier</xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="ReleaseIdentifier">
    <xsd:enumeration value="r25"/>
  </xsd:restriction>
</xsd:simpleType>
```

4.3. Header_r25.xsd

- Add new transaction group "OWNP" to enumeration for simple type "TransactionGroup".

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

4.4. Common

- Add complex type CSVDataWithName

```
<xsd:complexType name="CSVDataWithName">
  <xsd:simpleContent>
    <xsd:extension base="xsd:string">
      <xsd:attribute name="Name">
```

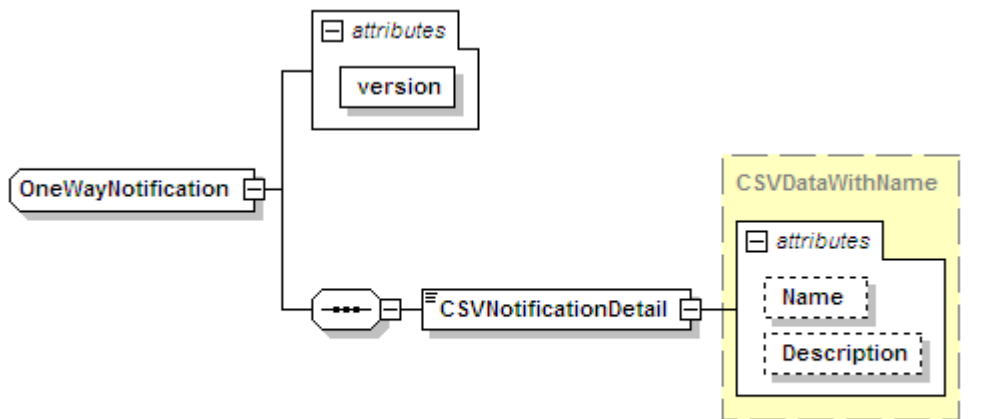
```

        <xsd:simpleType>
            <xsd:restriction base="NonZeroLengthString">
                <xsd:maxLength value="10"/>
            </xsd:restriction>
        </xsd:simpleType>
    </xsd:attribute>
    <xsd:attribute name="Description">
        <xsd:simpleType>
            <xsd:restriction base="NonZeroLengthString">
                <xsd:maxLength value="80"/>
            </xsd:restriction>
        </xsd:simpleType>
    </xsd:attribute>
</xsd:extension>
</xsd:simpleContent>
</xsd:complexType>

```

4.5. OneWayNotification_r25.xsd

- Create complex type “OneWayNotification” with mandatory element “CSVNotificationDetail” of type “CSVWithName” and mandatory attribute “version”.



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4.6. Transactions_r25.xsd

- Add element “OneWayNotification” to complex type “Transaction”.

```

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

```

4.7. Electricity_r25.xsd

- Add new simple type “FeederClass”:

```

<xsd:simpleType name=" FeederClass ">

```

```

        <xsd:annotation>
            <xsd:documentation>
Classification of High Voltage distribution line feeding property.
            </xsd:documentation>
        </xsd:annotation>
        <xsd:restriction base="xsd:string">
            <xsd:maxLength value="15"/>
            <xsd:minLength value="1"/>
            <xsd:whiteSpace value="collapse"/>
        </xsd:restriction>
    </xsd:simpleType>

```

- Change optional ElectricityStandingData version attribute type value from r19 to r25:
 <xsd:attribute name="version" type="r25" use="optional"/>
- Remove ElectricityMasterStandingData type

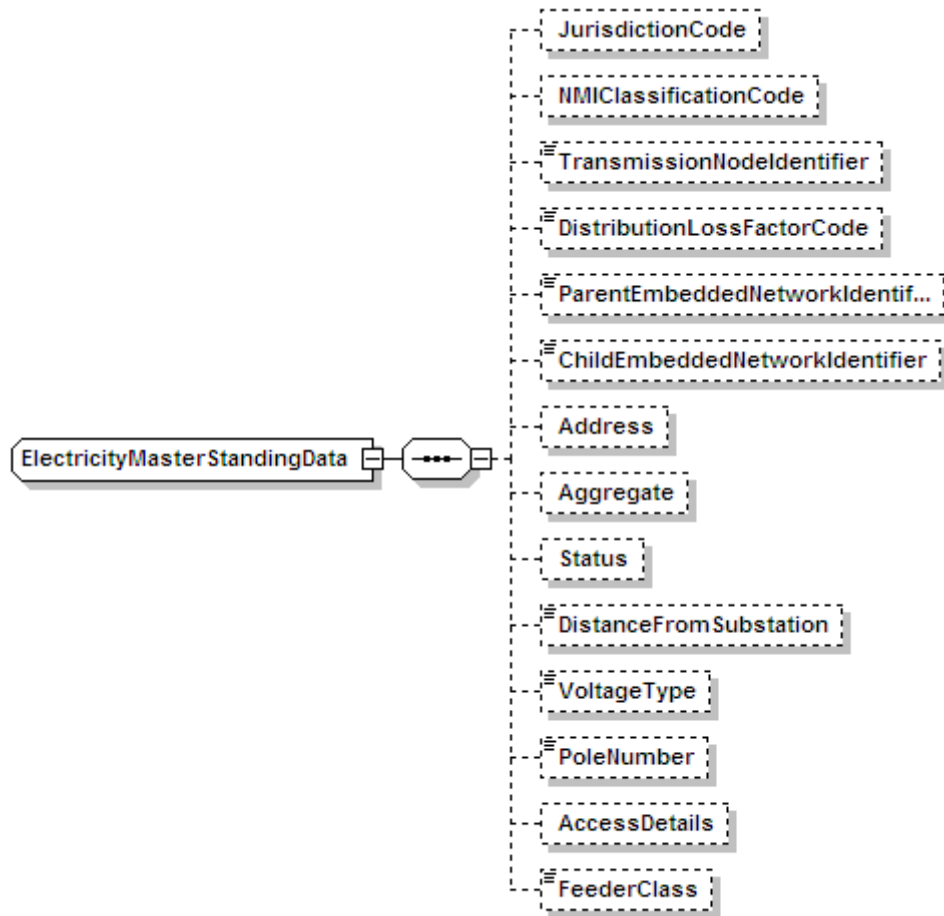
4.8. ElectricityMasterStandingData.xsd

- Add ElectricityMasterStandingData type from Electricity_r25
- Append new optional element “FeederClass” to complex type “ElectricityMasterStandingData” sequence after the AccessDetails element:

```

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

```

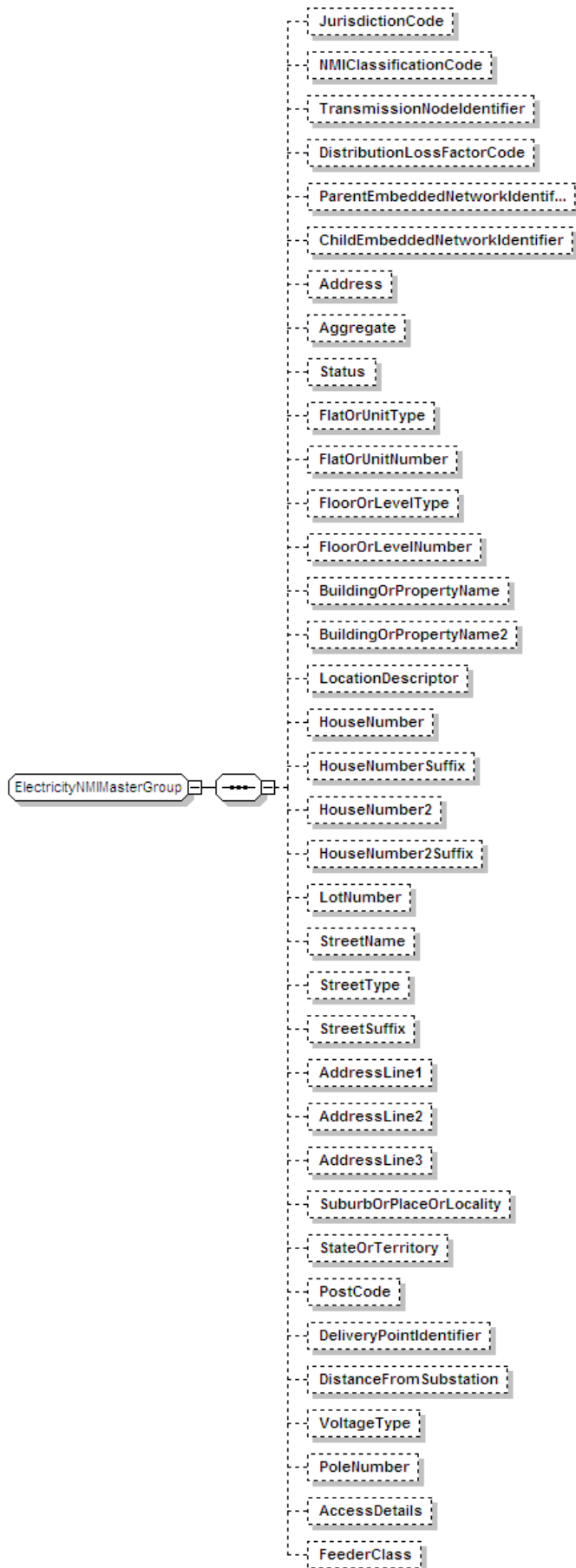



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- Add "ElectricityNMIMasterGroup" from CATSTableReplication_r25
- Append new optional element "FeederClass" to group "ElectricityNMIMasterGroup" sequence after the AccessDetails element:

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

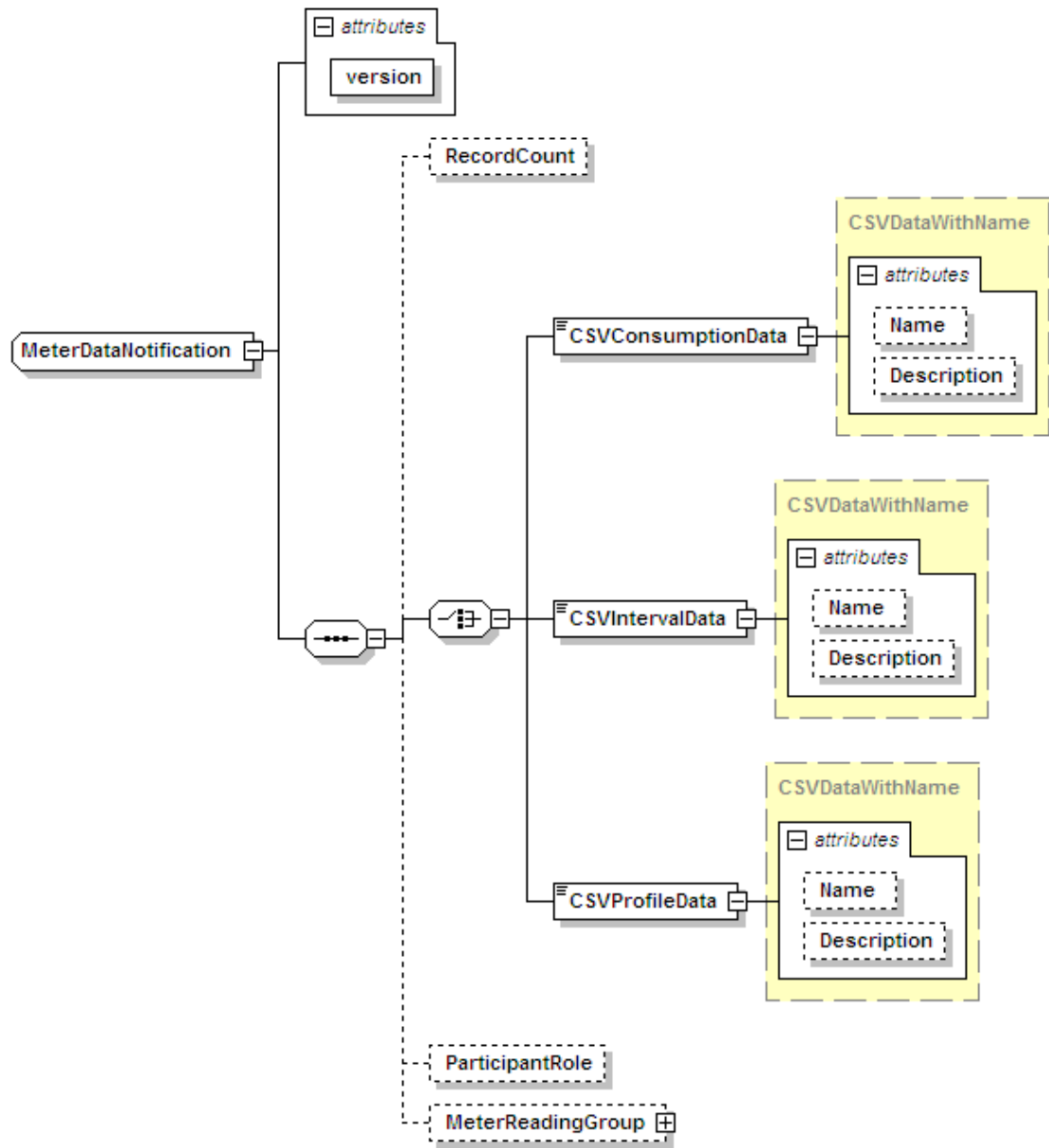


4.9. CATSTableReplication_r25

- Remove group “ElectricityNMIMasterGroup”
- Change optional ElectricityCATSChangeRequestNMIMasterRow version attribute type value from r19 to r25:
<xsd:attribute name="version" type="r25" use="optional"/>
- Change optional ElectricityNMIMasterRow version attribute type value from r19 to r25:
<xsd:attribute name="version" type="r25" use="optional"/>
- Change optional ElectricityNMIMasterRowBDT version attribute type value from r19 to r25:
<xsd:attribute name="version" type="r25" use="optional"/>

4.10. MeterDataManagement_r25.xsd

- Change MeterDataNotification version attribute type value from r19 to r25:
<xsd:attribute name="version" type="r25" use="required"/>



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1. Schema Manifest

The table below shows the schema files included in this release. Files that have been added, removed or modified for this release are marked.

File names	Added	Removed	Modified
Acknowledgements_r15.xsd			
aseXML_r24.xsd			
BAR_r15.xsd			
BulkDataTool_r15.xsd			
CATSReports_r20.xsd			
CATSTableReplication_r25.xsd			
ClientInformation_r15.xsd			
Common_r25.xsd			
CustomerDetails_r19.xsd			
CustomerTransfer_r20.xsd			
Electricity_r25.xsd			
ElectricityHighSpeedMonitoring_r24.xsd			
ElectricityMasterStandingData.xsd			
Enumerations.xsd (ver 1.0)*			
Events_r25.xsd			
Faults_r15.xsd			
Gas_r19.xsd			
GasMarketWholesale_r20.xsd			
Header_r25.xsd			
HighSpeedMonitoring_r21.xsd			
MarketWholesale_r20.xsd			
MDMTReport_r15.xsd			
MeterDataManagement_r25.xsd			
NetworkBilling_r15.xsd			
NMIDataAccess_r17.xsd			
NOSAssessment_r18.xsd			
NOSBooking_r18.xsd			
NOSCommon_r18.xsd			
NOSEquipment_r18.xsd			
OneWayNotification_r25.xsd			
Reports_r15.xsd			
ServiceOrder_r17.xsd			
TableReplication_r15.xsd			
Transactions_r25.xsd			
No of files added	2		
No of files removed		0	
No of files modified			8
Total No of files			34

5. Schema Test

5.1. Test Platforms

The new schema has been tested using the following platforms:

- XMLSpy 2004

- MSXML4 SP2
 Note. Using this parsers the sample file HSMMonitorData_Response_InvalidComtradeText_03.xml passed validation. It failed to pick up the min length =1 check. This though would have been present prior to this changes and so is only noted for informational purposes.
- Xerces 1.4.4 and 2.2.1

5.2. Test Cases

Change has been tested using the supplied HSM sample files.

- owmpl_agilitym_tc01.xml
- owmpl_agilitym_tc02.xml
- owmpl_agilitym_tc03.xml
- owmpl_agilitym_tc04.xml
- owmpl_agilitym_tc05.xml
- owmpl_agilitym_tc06.xml
- owmpl_agilitym_tc07.xml
- owmpl_agilitym_tc08.xml
- owmpl_agilitym_tc09.xml
- owmpl_agilitym_tc10.xml
- catsm_energyapbatch_2501_r25_FeederClass_CBD.xml
- catsm_energyapbatch_2501_r25_FeederClass_ISOLATED.xml
- catsm_energyapbatch_2501_r25_FeederClass_LONG_RURAL.xml
- catsm_energyapbatch_2501_r25_FeederClass_SHORT_RURAL.xml
- catsm_energyapbatch_2501_r25_FeederClass_URBAN.xml
- catsm_wbaympa_C1_NMI_DATA_FeederClass.xml
- mdmth_tcaustm_consumption.xml
- mdmtl_tcaustm_interval.xml
- mdmtl_tcaustm_profile.xml

Updated versions of older non related sample files have been tested as well to ensure no un-related changes have occurred.

6. ASWG Endorsement

The ASWG votes for endorsement of the schema, with the included aseXML Change Requests, and the voting results are forwarded to NEMMCO for approval. When 75% of those ASWG members who voted endorse a schema, this represents an ASWG Recommendation for that schema. NEMMCO will not reject an ASWG Recommendation without first consulting with the ASWG.

The results of the ASWG vote for the final schema to be released are as follows:

Date of Vote:

Option	# Votes	% Vote
For	6	85
Against	0	0

Option	# Votes	% Vote
Abstained	1	15
Total Members Present	6	85

*Note Chairperson doesn't vote unless it a split vote.

7. NEMMCO Approval

The schema approval and approval date are identified below

Status	Date	Authorised by
Approved – The schema has been approved by NEMMCO and is formally released for use		