aseXML SCHEMA CHANGE REQUEST

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DOCUMENT REF: CR45

VERSION: 1.2DATE: 04/10/2011

DRAFT/FINAL   DRAFT

Version Release History

Version	Date	By	Changes
1.0	12/09/2011	Warwick Mills	Change proposal for Customer Classification.
1.1	12/10/2011	Nandkumar Gaikwad	Fixed some typographical and editorial issues Changed the names of the two new simple types
1.2	18/10/2011	Nandkumar Gaikwad	Changed the prefix EMSD_ to EMSD. Explained the rationale behind defining the types with pre-fix EMSD. Added more examples xml files.

Glossary

Abbreviation	Description

Contents

1   Change Proposal

This Change Proposal is to provide two new fields to ElectricityMasterStandingData which will enable participants to record and notify other participants of 'Customer Classification' data.

All schema versions from r25 and above are required to include the change.

1.1   Description of the proposed change

The proposed changes are listed in the following table.

Item#	Change Description	Change Type[1]
1	Provide two new fields to ElectricityMasterStandingData which will enable participants to record and notify other participants of 'Customer Classification' data.	Enhancement

Table 1-1, Proposed Changes

1.1.1   First change description

Provide:

- A simple type definition named "EMSDCustomerClassificationCode".
  The type definition is a variable length string with maximum length of 20 characters.

- A simple type definition named " EMSDCustomerThresholdCode".
  The type definition is a variable length string with maximum length of 20 characters.

- An element named "CustomerClassificationCode" to group "ElectricityNMIMasterGroup".
  The new element can be null and has type " EMSDCustomerClassificationCode".

- An element named "CustomerThresholdCode" to group ElectricityNMIMasterGroup".
  The new element can be null and has type " EMSDCustomerThresholdCode".

- An element named "CustomerClassificationCode" to type "ElectricityMasterStandingData".
  The new element can be null and has type " EMSDCustomerClassificationCode".

- An element named "CustomerThresholdCode" to type " ElectricityMasterStandingData ".
  The new element can be null and has type " EMSDCustomerThresholdCode".

1.2   Reason for Change

Enable participants to communicate Customer Classification data.

1.3   Supplied Documents

Not applicable.

1.3.1   Business process document

The introduction of the National Electricity Customer Framework (NECF) package places new obligations on Retailers (FRMP) and Distribution Network Service Providers (DNSP), with respect to the classification of customers. The matter was discussed in the BMRG of NEM and BMRG

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[1] Change Type can be one of
  - New
  - Enhancement, or
  - Bug Fix

came to the business solution of including two new fields to standing data to address the requirements arising out of this. This CR is to implement the aseXML schema change required to include the two new fields to Electricity Standing Data to meet the business requirements arising out of NECF.

1.3.2 Other

Not applicable.

1.4 Baseline Schema

The schema used as a basis for this proposal is aseXML_r28.xsd.

All schema versions from r25 and above are required to include the change. This is so because ElectricityMasterStandingData.xsd which was introduced in r25 is not versioned.

The change proposed through this CR (CR45) is un-versioned and does not need a change to aseXML schema version. It only changes the un-versioned ElectricityMasterStandingData.xsd.

Ideally the electricity and gas markets would share the two imple types being defined under the Common xsd (see CR46), but to maintain the benefits of the un-versioned ElectricityMasterStandingData.xsd, the changes to the ElectricityMasterStandingData.xsd cannot refer to new simple types that are defined within the versioned area of the schema (Common xsd). This has led to the same two simple types being defined in Common XSD (CR46) as well as ElectricityMasterStandingData.xsd (this request). Given the electricity market choice to use an un-versioned file, they will carry the prefix "EMSD" (Electricity Market Standing Data) to avoid conflict with the simple types being introduced by CR46.

2 Approval Proposal

2.1 Proposed Change

2.1.1 Draft schema

Draft ElectricityMasterStandingData.xsd created. No other change is needed for this CR (CR45).

2.1.2 Change log

The following changes have been implemented in this draft:

Chg #	Item #	Description of change	Filename
1	1	Provide two new fields to ElectricityMasterStandingData which will enable participants to record and notify other participants of 'Customer Classification' data.	ElectricityMaster StandingData.xsd

Table 2-1 Change Log

2.1.3 Schema change description

Add "CustomerClassificationCode" and "CustomerThresholdCode" to group ElectricityNMIMasterGroup and complex type ElectricityMasterStandingData of aseXML schema.

2.1.3.1   ElectricityMasterStandingData.xsd

- Add a simple type definition named " EMSD_CustomerClassificationCode".
  The type definition is a variable length string with maximum length of 20 characters.

- Add a simple type definition named " EMSD_CustomerThresholdCode".
  The type definition is a variable length string with maximum length of 20 characters.

- Add an element named "CustomerClassificationCode" to group "ElectricityNMIMasterGroup".
  The new element can be null and has type " EMSD_CustomerClassificationCode".

- Add an element named "CustomerThresholdCode" to group ElectricityNMIMasterGroup".
  The new element can be null and has type " EMSD_CustomerThresholdCode".

- Add an element named "CustomerClassificationCode" to type "ElectricityMasterStandingData".
  The new element can be null and has type " EMSD_CustomerClassificationCode".

- Add an element named "CustomerThresholdCode" to type " ElectricityMasterStandingData ".
  The new element can be null and has type " EMSD_CustomerThresholdCode".

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. **The version attribute is not to updated by 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 type	Derived types	Versioned types affected	Transactions potentially affected	Schema files affected
ElectricityNMIMasterGroup		ElectricityNMIMasterRow ElectricityNMIMasterRowBDT ElectricityCATSChangeRequestNMIMasterRow CATSBulkDataResponse ReplicationNotification ReportResponse	CATSBulkDataResponse ReplicationNotification ReportResponse	ElectricityMaster StandingData.xsd

Modified type	Derived types	Versioned types affected	Transactions potentially affected	Schema files affected
ElectricityMasterStandingData			AmendMeterRouteDetails CATSChangeRequest CATSDataRequest CATSNotification MeterDataHistoryRequest MeterDataMissingNotification MeterDataVerifyRequest MeterDataVerifyResponse MeterReadingReferenceDataResponse MeterReadInputNotification NMIDiscoveryResponse NMIStandingDataResponse NMIStandingDataUpdateNotification ReportResponse ServiceOrderRequest ServiceOrderResponse SpecialReadRequest SpecialReadResponse	ElectricityMaster StandingData.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 2010

2.1.5.2   Test Cases

catsm_energyap_5054_CustClass.xml

catsm_energyapbatch_2501_CustClass.xml

catsm_wbaympa_C1_NMI_DATA_CustClass.xml

catsm_ReplicationNotificationAddress.xml

catsm_NMIStandingDataResponse.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 2010

3.1.2   Test Cases

catsm_energyap_5054_CustClass.xml

catsm_energyapbatch_2501_CustClass.xml

catsm_wbaympa_C1_NMI_DATA_CustClass.xml

catsm_ReplicationNotificationAddress.xml

catsm_NMIStandingDataResponse.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
ElectricityMasterStandingData.xsd	1	<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

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[2] Either 'Open' or 'Closed'