aseXML SCHEMA CHANGE REQUEST

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DOCUMENT REF: CR52

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DRAFT/FINAL   DRAFT

Version Release History

Version	Date	By	Changes
1.0	09/01/2013	Oleg Pevzner	Change proposal to: • Implement Small Generation via Standing Data Fields • Implement Modifications to the Customer Details Request • Implement Additional fields for Sensitive Load and Life Support Management • Implement Sensitive Load Reconciliation • Implement Standing Data Validation via MSATS
1.1	11/01/2013	Oleg Pevzner	Amended after review by ASWG.
1.2	01/02/2013	Oleg Pevzner	Amended after review by Industry.
1.3	27/02/2013	Nandkumar Gaikwad	Amended for issues found during ASWG tesing.

Glossary

Abbreviation	Description
Small Generation	For a connection point that is capable of generation but does not have a NMI classification code of GENERATR
NEM	National Electricity Market
NMI	National Metering Identifier

Contents

1   Change Proposal

This Change Request consists of the following changes:

- Modifications to the Customer Details Request (Auto/Man) (QC776- SD - Customer and Site Details - Pack 2 v2.00 -ws.docx, Solution 776-1-N7)
- Sensitive Load Reconciliation Only   (QC776- SD - Customer and Site Details - Pack 1 v2.00.docx, Solution 776-5-N2).

The following changes which were proposed in the earlier draft version 1.1 of this CR52 have been dropped.

- Small Generation via Standing Data Fields (QC756- SD - Small Generation and NMI Standing Data v1.20.docx, Solution 1A)
- Additional fields for Sensitive Load and Life Support Management (QC776- SD - Customer and Site Details - Pack 1 v2.00.docx, Solution 776-5-1)
- Standing Data Validation via MSATS (QC756- SD - Small Generation and NMI Standing Data - Pack 2 v2.00.docx, Solution 7E)

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 r32	New
3	Amend simple type RequestReason.	Enhancement
4	Amend simple type MovementType	Enhancement
5	Amend complex type CustomerData	Enhancement
6	Change the version attribute of versioned types impacted by change to RequestReason and MovementType.	Enhancement

Table 1-1, Proposed Changes

1.2   Reason for Change

1.2.1   Adding new values to Customer Details Request (CDR) transaction.

QC776- SD - Customer and Site Details - Pack 2 v2.00.docx, Solution 776-1-N7

The intention of this solution is to revise the Customer Details Request (CDR) transaction to distinguish between instances where a response from a Retailer can be automated, from those requests where manual follow-up is required.

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

Requirements:

Add the following new enumeration values to the simple type RequestReason:

- Transfer complete, no CDN received

- New Connection, no CDN received

- No response to rejected CDN

- Data Quality Issue

Current simple type RequestReason enumeration values are:
- o Returned Mail
- o Missing Customer Details
- o Confirm Life Support
- o Other

1.2.2 Sensitive Load Reconciliation Only.

QC776- SD - Customer and Site Details - Pack 1 v2.00.docx, Solution 776-5-N2.

The intention of this solution is to *e*nsure that any connection point with Life Support is not adversely affected by any planned works or outages.

Requirements:

- Add new enumeration values to simple type *MovementType*:

MovementType Code	Description
'RecCustConf'	Reconciliation - Confirmed with Customer. Means that the Retailer has confirmed with the Customer that the *SenstiveLoad* value is correct.
'RecPerRetailer'	Reconciliation - As per Retailer. Means that the Retailer reasonably believes that the SensitiveLoad value provided is correct.
'RecPerDNSP'	Reconciliation - As per DNSP. Means that the Retailer agrees that the SensitiveLoad value should be 'None', as inferred by the DNSP.

Current MovementType values are:
- o Update
- o Reconciliation
- o Site Vacant

- Add a new value 'Rec - confirm no SensitiveLoad' for RequestReason for the CustomerDetailsRequest

"Rec - confirm no SensitiveLoad" means DNSP believes a NMI has a SensitiveLoad value other than 'None' and was not included in the Reconciliation Process.

Current Reason values as defined by simple type RequestReason are:
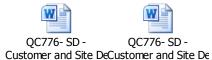 o Returned Mail
  o Missing Customer Details
  o Confirm Life Support
  o Other

1.3 Supplied Documents

1.3.1 Business process document

QC776- SD - Customer and Site Details - Pack 1 v2.00.docx

QC776- SD - Customer and Site Details - Pack 2 v2.00.docx

QC776- SD - Customer and Site De
QC776- SD - Customer and Site De

1.3.2 Other

aseXML_r32_Draft_zip

1.4 Baseline Schema

The schema used as a basis for this proposal is aseXML_r31.xsd.

2 Approval Proposal

2.1 Proposed Change

2.1.1 Draft schema

The draft schema is attached as aseXML_r32_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_r32.xsd

2	2	Add simple Type r32.	Events_r32.xsd
3	3	Add enumeration values to simple type RequestReason.	CustomerDetails_r32.xsd
4	4	Add enumeration values to simple type MovementType.	CustomerDetails_r32.xsd
5	5	Change the version attribute of the following versioned types impacted by change to RequestReason and MovementType: CustomerDetailsRequest CustomerDetailsNotification	CustomerDetails_r32.xsd

Table 2-1 Change Log

2.1.3 Schema change description

2.1.3.1 aseXML_r32.xsd

Changed the URN and references to XSD file changed: CustomerDetails_r32.xsd

2.1.3.2 Events_r32.xsd

Added simple type r32 to support the schema change:

```
<xsd:simpleType name="r32">
        <xsd:annotation>
                <xsd:documentation>Purpose - Release r32 identifier.</xsd:documentation>
        </xsd:annotation>
        <xsd:restriction base="ReleaseIdentifier">
                <xsd:enumeration value="r32"/>
        </xsd:restriction>
</xsd:simpleType>
```

2.1.3.3 CustomerDetails_r32.xsd

Modifications to the Customer Details Request.

Add new values to *RequestReason:*

Amend simple type RequestReason as follows:

```
<xsd:simpleType name="RequestReason">
                <xsd:annotation>
                        <xsd:documentation>
                                Purpose - Define the fixed Reasons used to request customer details
                        </xsd:documentation>
                </xsd:annotation>
                <xsd:restriction base="xsd:string">
                        <xsd:enumeration value="Returned Mail"/>
                        <xsd:enumeration value="Missing Customer Details"/>
                        <xsd:enumeration value="Confirm Life Support"/>
                        <xsd:enumeration value="Other"/>
                        <xsd:enumeration value="Transfer complete, no CDN received"/>
                        <xsd:enumeration value="New Connection, no CDN received"/>
                        <xsd:enumeration value="No response to rejected CDN"/>
                        <xsd:enumeration value="Data Quality Issue"/>
                        <xsd:enumeration value="Rec - confirm no SensitiveLoad"/>
                </xsd:restriction>
</xsd:simpleType>
```

Change the version attribute of CustomerDetailsRequest type impacted by changing of RequestReason:

Change from : `<xsd:attribute name="version" type="r17" use="required"/>`

Change to   : `<xsd:attribute name="version" type="r32" use="optional" default="r32"/>`

Sensitive Load Reconciliation Only.

Add new enumeration values to simple type MovementType.

Amend simple type MovementType as follows:

```
<xsd:simpleType name="MovementType">
        <xsd:annotation>
                <xsd:documentation>
                        Purpose - Define the fixed Special Condition Code used in customer details notification where:
                        RecCustConf: Reconciliation - Confirmed with Customer
                        RecPerRetailer: Reconciliation - As per Retailer
                        RecPerDNSP: Reconciliation - As per DNSP.
                </xsd:documentation>
        </xsd:annotation>
        <xsd:restriction base="xsd:string">
                <xsd:enumeration value="Update"/>
                <xsd:enumeration value="Reconciliation"/>
                <xsd:enumeration value="Site Vacant"/>
                <xsd:enumeration value="RecCustConf"/>
                <xsd:enumeration value="RecPerRetailerf"/>
                <xsd:enumeration value="RecPerDNSP"/>
        </xsd:restriction>
</xsd:simpleType>
```


Change the version attribute of CustomerDetailsNotification type impacted by changing of MovementType :

Change from : `<xsd:attribute name="version" type="r18" use="required"/>`

Change to   : `<xsd:attribute name="version" type="r32" use="optional" default="r32"/>`

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
RequestReason		CustomerDetailsRequest	CustomerDetailsRequest	CustomerDetails_r32.xsd
MovementType	CustomerData	CustomerDetailsNotification	CustomerDetailsNotification	

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_CustomerDetailsNotification_MovementType_r32.xml

NEMMSATS_CustomerDetailsRequest_RequestReason_r32.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_CustomerDetailsNotification_MovementType_r32.xml

NEMMSATS_CustomerDetailsRequest_RequestReason_r32.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
aseXML_r32.xsd	1	<Conforms… or note non-conformance>
CATSReports_r32.xsd	2	<Conforms… or note non-conformance>
CustomerDetails_r32.xsd	3	<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'