|  |
| --- |
| aseXML SCHEMA CHANGE REQUEST - CR63 |

August 2018

Life Support

Change request document for Life Support related schema objects

Version Control

|  |  |  |
| --- | --- | --- |
| Version | Release date | Changes |
| #1.0 | 15/07/2018 | Initial request |
| #1.1 | 07/08/2018 | Modified for life support equipment type enumerated list in ElectricityEnumerations.xsd file |
| #1.2 | 12/10/2018 | Finalised for publication |

Contents

[Executive Summary 2](#_Toc504144562)

[1. Heading 1 2](#_Toc504144563)

[1.1 Heading 2 2](#_Toc504144564)

[A1. Appendix Heading 1 2](#_Toc504144565)

[A1.1 Appendix heading 2 2](#_Toc504144566)

[Glossary 2](#_Toc504144567)

[Toolbox 2](#_Toc504144568)

Tables

[Table 1 AEMO1 Table style 2](#_Toc524682363)

[Table 2 AEMO1 Table style with banded columns 2](#_Toc524682364)

[Table 3 AEMO2 Table style with first column shown (columns and rows can be banded) 2](#_Toc524682365)

[Table 4 AEMO3 Table style with first column shown (columns and rows can be banded) 2](#_Toc524682366)

Figures

[Figure 1 Figure title 2](#_Toc524682371)

[1 Change Proposal 3](#_Toc244924301)

[1.1 Description of the proposed change 3](#_Toc244924302)

[1.1.1 First change description 3](#_Toc244924303)

[1.1.2 Second change description 3](#_Toc244924304)

[1.2 Reason for Change 3](#_Toc244924305)

[1.3 Supplied Documents 3](#_Toc244924306)

[1.3.1 Business process document 3](#_Toc244924307)

[1.3.2 Other 3](#_Toc244924308)

[1.4 Baseline Schema 3](#_Toc244924309)

[2 Approval Proposal 3](#_Toc244924310)

[2.1 Proposed Change #1 3](#_Toc244924311)

[2.1.1 Draft schema 3](#_Toc244924312)

[2.1.2 Change log 3](#_Toc244924313)

[2.1.3 Schema change description 3](#_Toc244924314)

[2.1.4 Impact Summary 3](#_Toc244924315)

[2.1.5 Developer Test 3](#_Toc244924316)

[3 Proposal Assessment 3](#_Toc244924317)

[3.1 Test 3](#_Toc244924318)

[3.1.1 Test Platforms 3](#_Toc244924319)

[3.1.2 Test Cases 3](#_Toc244924320)

[3.1.3 Test Results 3](#_Toc244924321)

[3.2 Conformance Report 3](#_Toc244924322)

[4 Issue Register 3](#_Toc244924323)

[4.1 Status of Issues 3](#_Toc244924324)

[5 Resolution 3](#_Toc244924325)

[5.1 ASWG Endorsement 3](#_Toc244924326)

Tables

Table 1‑1, Proposed Changes 4

Table 2‑1 Change Log 5

Table 2‑2, Impact Summary 6

Table 3‑1, Change Proposal Conformance Details 7

Table 4‑1, Issues list 8

Table 5‑1, ASWG Vote Results 8

Figures

[Figure 2‑1 Test Figure 5](#_Toc245030975)

# Change Proposal

This Change Proposal is to implement Life Support transactions for Electricity and Gas Retail market usage.

## Description of the proposed change

The proposed changes are listed in the following table.

|  |  |  |
| --- | --- | --- |
| **Item#** | **Change Description** | **Change Type[[1]](#footnote-1)** |
| 1 | Add LifeSupportRequest transaction. | New |
| 2 | Add LifeSupportNotification transaction. | New |
| 3 | Add LifeSupportData complex type for use in LifeSupportNotification  transactions | New |
| 4 | Add LifeSupportStatus simple type as enumerated list for use in LifeSupport transactions | New |
| 5 | Add LifeSupportType as simple type as enumerated list for use in LifeSupport transactions | New |
| 6 | Add LifeSupportRequestReason as simple type as enumerated list for use in LifeSupport transactions | New |
| 7 | Add ContactMethod simple type as enumerated list | New |
| 8 | Add UpdateReason simple type as enumerated list | New |

Table ‑, Proposed Changes

## Reason for Change

1. Enable retailers and network operators to request and transmit details on customers using life support equipment.

## Supplied Documents

### Other

aseXML\_r38.zip

## Baseline Schema

The schema used as a basis for this proposal is v37

# Approval Proposal

## Proposed Change #1[[2]](#footnote-2)

### Draft schema

Draft aseXML\_r38

### Change log

The following changes have been implemented in this draft:

|  |  |  |  |
| --- | --- | --- | --- |
| **Chg #** | **Item #** | **Description of change** | **Filename** |
| 1 |  | Updated schema namespace to ‘urn:aseXML:r38’.  Updated Transactions schema to Transactions\_r38.xsd  Updated CustomerDetails schema to CustomerDetails\_r38.xsd  Updated Events schema to Events\_r38.xsd | aseXML\_r38.xsd |
| 2 | 3,4 | Added the following element choices for new transactions.   * LifeSupportRequest * LifeSupportNotification | Transactions\_r38.xsd |
| 3 | 1,2,3,4 | Added r38 release identifier in the Event schema.  File version changed from r37 to r38 | Events\_r38.xsd |
| 4 | 1,2 | Add the following simple types   * LifeSupportStatus as enumerated list * LifeSupportRequestReason as enumerated list * UpdateReason as enumerated list * ContactMethod as enumerated list   Add the following complex types   * LifeSupportData   Add the following complex types for new transactions   * LifeSupportRequest * LifeSupportNotification | CustomerDetails\_r38.xsd |
| 5 |  | Add the following simple types   * LifeSupportEquipmentType as enumerated list | ElectricityEnumerations.xsd |

Table ‑ Change Log

### Schema change description

#### aseXML\_r38.xsd

* Updated schema namespace to ‘urn:aseXML:r38’.
* Updated Transactions schema to Transactions\_r38.xsd
* Updated CustomerDetails schema to CustomerDetails\_r38.xsd
* Updated Events schema to Events\_r38.xsd

#### Transactions\_r38.xsd

* Modify Transaction complex type:
* Add LifeSupportRequest element
* Add LifeSupportNotification element

#### Events\_r38.xsd

* Add r36 release identifier

<xsd:simpleType name="r38">

<xsd:annotation>

<xsd:documentation>Purpose - Release r36 identifier.</xsd:documentation>

</xsd:annotation>

<xsd:restriction base="ReleaseIdentifier">

<xsd:enumeration value="r38"/>

</xsd:restriction>

</xsd:simpleType>

#### CustomerDetails\_r38.xsd

* Add simple type LifeSupportStatus as enumerated list

<xsd:simpleType name="LifeSupportStatus">

<xsd:annotation>

<xsd:documentation>

Purpose - Define the fixed Life support status used in Life Support notification

</xsd:documentation>

</xsd:annotation>

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

<xsd:enumeration value="Registered - No Medical Confirmation"/>

<xsd:enumeration value="Registered - Medical Confirmation"/>

<xsd:enumeration value="Deregistered - No Medical Confirmation"/>

<xsd:enumeration value="Deregistered - Customer Advice"/>

<xsd:enumeration value="Deregistered - No Customer Response"/>

<xsd:enumeration value="None"/>

</xsd:restriction>

</xsd:simpleType>

* Add simple type LifeSupportEquipmentType as enumerated list

<xsd:simpleType name="LifeSupportEquipmentType">

<xsd:annotation>

<xsd:documentation>

Purpose - Define the fixed Life support equipment types used in Life Support notification

</xsd:documentation>

</xsd:annotation>

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

<xsd:enumeration value="Oxygen Concentrator"/>

<xsd:enumeration value="Intermittent Peritoneal Dialysis Machine"/>

<xsd:enumeration value="Kidney Dialysis Machine"/>

<xsd:enumeration value="Chronic Positive Airways Pressure Respirator"/>

<xsd:enumeration value="Crigler Najjar Syndrome Phototherapy Equipment"/>

<xsd:enumeration value="Ventilator For Life Support"/>

<xsd:enumeration value="Other"/>

</xsd:restriction>

</xsd:simpleType>

* Add simple type LifeSupportRequestReason as enumerated list

<xsd:simpleType name="LifeSupportRequestReason">

<xsd:annotation>

<xsd:documentation>

Purpose - Define the fixed Life support request reasons for a Life Support Request

</xsd:documentation>

</xsd:annotation>

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

<xsd:enumeration value="Confirm Life Support"/>

<xsd:enumeration value="Data Quality Issue"/>

<xsd:enumeration value="No response to rejected LSN"/>

<xsd:enumeration value="Other"/>

</xsd:restriction>

</xsd:simpleType>

* Add simple type UpdateReason as enumerated list

<xsd:simpleType name="UpdateReason">

<xsd:annotation>

<xsd:documentation>

Purpose - Define the reasons for provision of details notification.

</xsd:documentation>

</xsd:annotation>

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

<xsd:enumeration value="Update"/>

<xsd:enumeration value="Reconciliation"/>

</xsd:restriction>

</xsd:simpleType>

* Add simple type ContactMethod as enumerated list

<xsd:simpleType name="ContactMethod">

<xsd:annotation>

<xsd:documentation>

Purpose - Define the basic set of contact methods.

</xsd:documentation>

</xsd:annotation>

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

<xsd:enumeration value="Postal Address"/>

<xsd:enumeration value="Site Address"/>

<xsd:enumeration value="Email Address"/>

<xsd:enumeration value="Phone"/>

</xsd:restriction>

</xsd:simpleType>

Add the following complex types

* LifeSupportData

<xsd:complexType name="LifeSupportData">

<xsd:sequence>

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

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

<xsd:element name="Reason" type="UpdateReason"/>

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

<xsd:element name="Status" type="LifeSupportStatus"/>

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

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

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

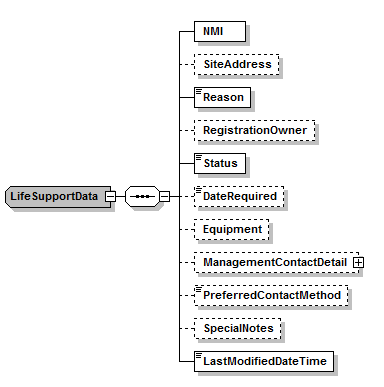
<xsd:element name="PreferredContactMethod" type="ContactMethod" minOccurs="0"/>

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

<xsd:element name="LastModifiedDateTime" type="xsd:dateTime"/>

</xsd:sequence>

</xsd:complexType>



* Add the following complex types for new transaction LifeSupportRequest

<xsd:complexType name="LifeSupportRequest">

<xsd:annotation>

<xsd:documentation>NEM - B2B Electricity - Fully XML tagged; Transaction Group: CUST; Purpose: Request Life support Details- National Electricity B2B Process - Tranche 1 Build Pack </xsd:documentation>

</xsd:annotation>

<xsd:sequence>

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

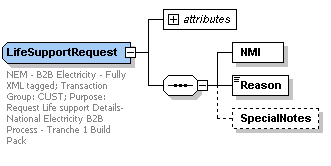
<xsd:element name="Reason" type="LifeSupportRequestReason"/>

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

</xsd:sequence>

<xsd:attribute name="version" type="r38" use="optional" default="r38"/>

</xsd:complexType>



* Add the following complex types for new transaction LifeSupportNotification

<xsd:complexType name="LifeSupportNotification">

<xsd:annotation>

<xsd:documentation>NEM - B2B Electricity - Fully XML tagged; Transaction Group: CUST; Purpose: Notify change of Life support Details- National Electricity B2B Process - Tranche 1 Build Pack </xsd:documentation>

</xsd:annotation>

<xsd:choice>

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

</xsd:choice>

<xsd:attribute name="version" type="r38" use="optional" default="r38"/>

</xsd:complexType>

#### ElectricityEnumerations.xsd

* Add simple type LifeSupportEquipmentType as enumerated list

<xsd:simpleType name="LifeSupportEquipmentType">

<xsd:annotation>

<xsd:documentation>

Purpose - Define the fixed Life support equipment types used in Life Support notification

</xsd:documentation>

</xsd:annotation>

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

<xsd:enumeration value="Oxygen Concentrator"/>

<xsd:enumeration value="Intermittent Peritoneal Dialysis Machine"/>

<xsd:enumeration value="Kidney Dialysis Machine"/>

<xsd:enumeration value="Chronic Positive Airways Pressure Respirator"/>

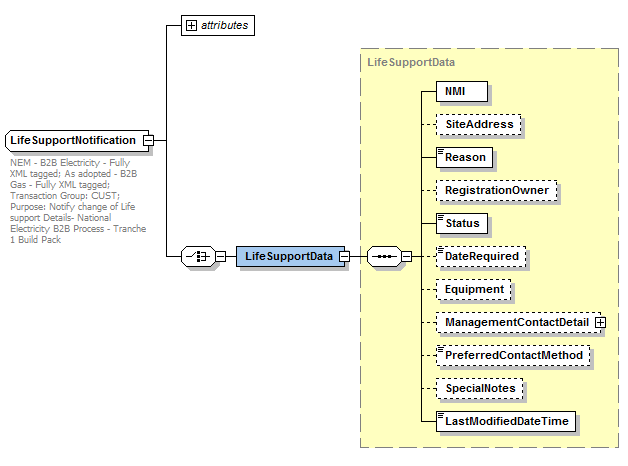
<xsd:enumeration value="Crigler Najjar Syndrome Phototherapy Equipment"/>

<xsd:enumeration value="Ventilator For Life Support"/>

<xsd:enumeration value="Other"/>

</xsd:restriction>

</xsd:simpleType>



### 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** |
| r38 |  |  |  | Events\_r38.xsd |
|  |  |  |  | aseXML\_r38.xsd |

Table ‑, Impact Summary

### Developer Test

#### Test Platforms

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

* XMLSpy 2014

#### Test Cases

NEMB2B\_LifeSupportNotification\_Deregistered\_r38.xml

NEMB2B\_LifeSupportNotification\_None\_r38.xml

NEMB2B\_LifeSupportNotification\_Reconciliation\_r38.xml

NEMB2B\_LifeSupportNotification\_Update\_r38.xml

NEMB2B\_LifeSupportRequest\_Other\_r38.xml

NEMB2B\_LifeSupportRequest\_r38.xml

# 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:

* XMLSpy 2010
* MSXML6
* Xerces 2.2.1 and 2.9.1

### Test Cases

As per section 2.1.5.2

### 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. |
|  |  |  |

Table ‑, 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-3)** | **Resolution** |
| 1 |  |  |  |  |

Table ‑, 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: 12/10/2018

|  |  |  |
| --- | --- | --- |
| **Option** | **# Votes** | **% Vote** |
| Approved | 4 | 100 |
| Rejected | 0 |  |
| Abstained | 0 |  |
| Total Members Present | 4 |  |

Table ‑, ASWG Vote Results

Glossary

|  |  |
| --- | --- |
| Term | Definition |
|  |  |

1. Change Type can be one of

   New

   Enhancement, or

   Bug Fix [↑](#footnote-ref-1)
2. This section may be repeated if more than one option is considered [↑](#footnote-ref-2)
3. Either ‘Open’ or ‘Closed’ [↑](#footnote-ref-3)