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| --- |
| 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 |

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# 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.xsdUpdated CustomerDetails schema to CustomerDetails\_r38.xsdUpdated 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)