

# aseXML SCHEMA CHANGE REQUEST

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DRAFT/FINAL: FINAL

## Version Release History

Version	Date	By	Changes
1.0	25/07/2011	Andrew Screen	Submitted for review by the aseXML Working Group.
1.3	17/5/12	Andrew Screen	Removed other address information and will deal with them separately via industry working groups first
1.4	15/6/12	Andrew Screen	Updated with vote and made final version

## Glossary

Abbreviation	Description

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## 1 Change Proposal

Address related types within the schema do not have a defined character sizing and industry specific build packs have used a certain size for these. I.e. for Street type they have assume 4 char. Recent changes to the enumerations supplied as part of CR 42 identified that some of the enumerations were larger than the expected sizing. Participants have legitimately built systems that will not allow the larger enumerations to be stored as they have used the sizing in the build pack documentation.

Since these are legitimate enumeration and to avoid the likelihood of new enumerations appearing that will cause a similar issue it is proposed to specify the size of these enumerated type such that Participant can build to a certain standard and to accommodate the likely possible enumerated type length.

Note although the oversized enumerations could be accommodated with this change they have not been included so that their specific implementation can be separated from these changes so that they can be adopted by industry as required.

### 1.1 Description of the proposed change

The proposed changes are listed in the following table.

Item#	Change Description	Change Type <sup>1</sup>
1	Addition of size constraint on the following types in the enumerations.xsd file: AustralianStreetType (4) AustralianStreetSuffix (2) AustralianFlatOrUnitType (4) AustralianFloorOrLevelType (2) AustralianPostalDeliveryType (11)	Enhancement

Table 1-1, Proposed Changes

#### 1.1.1 First change description

Change the listed aseXML types to have the length and Pattern / Facet specified in the table:

Type	Length
AustralianStreetType	4
AustralianStreetSuffix	2
AustralianFlatOrUnitType	4
AustralianFloorOrLevelType	2
AustralianPostalDeliveryType	11

#### 1.1.2 Second change description

Modify the Schema Guidelines / Change management Guidelines to indicate that via the fast track change process enumerations can only be added. They can't be removed or modified.

### 1.2 Reason for Change

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<sup>1</sup> Change Type can be one of

- New
- Enhancement, or
- Bug Fix

### 1.3 Supplied Documents

#### 1.3.1 Business process document

N/A

#### 1.3.2 Other

N/A

### 1.4 Baseline Schema

The schema used as a basis for this proposal is Schema Release r29.

## 2 Approval Proposal

### 2.1 Proposed Change #1

#### 2.1.1 Draft schema

The schema these changes will be first implemented in is Schema Release r30

#### 2.1.2 Change log

The following changes have been implemented

Chg #	Item #	Description of change	Filename
1	All	Addition of size constrain on the following types: AustralianStreetType AustralianStreetSuffix AustralianFlatOrUnitType AustralianFloorOrLevelType AustralianPostalDeliveryType	Enumerations.xsd

Table 2-1 Change Log

#### 2.1.3 Schema change description

<General description of the schema changes>

##### 2.1.3.1 Enumerations.xsd

Changes to existing enumerations.

```
<xsd:simpleType name="AustralianFlatOrUnitType">
```

```
  <xsd:annotation>
```

```
    <xsd:documentation>
```

```
      Purpose - Define flat or unit types as per Australian Standard AS4590:2006
```

```
    </xsd:documentation>
```

```
  </xsd:annotation>
```

```
<xsd:restriction base="xsd:string">
  <xsd:maxLength value="4"/>
  <xsd:enumeration value="ANT"/>
  :
  :
  <xsd:enumeration value="WKSH"/>
</xsd:restriction>
</xsd:simpleType>
<xsd:simpleType name="AustralianFloorOrLevelType">
  <xsd:annotation>
    <xsd:documentation>
```

Purpose - Define floor or level types as per Australian Standard AS4590:2006

```
</xsd:documentation>
</xsd:annotation>
<xsd:restriction base="xsd:string">
  <xsd:maxLength value="2"/>
  <xsd:enumeration value="B"/>
  :
  :
  <xsd:enumeration value="SB"/>
</xsd:restriction>
</xsd:simpleType>
<xsd:simpleType name="AustralianStreetType">
  <xsd:annotation>
    <xsd:documentation>
```

Purpose - Define street types as per Australian Standard AS4590:2006.

```
</xsd:documentation>
</xsd:annotation>
<xsd:restriction base="xsd:string">
  <xsd:maxLength value="4"/>
  <xsd:enumeration value="ACCS"/>
  :
  :
  <xsd:enumeration value="WWAY"/>
</xsd:restriction>
</xsd:simpleType>
<xsd:simpleType name="AustralianStreetSuffix">
  <xsd:annotation>
    <xsd:documentation>
```

Purpose - Define street suffixes as per Australian Standard AS4590:2006

```
</xsd:documentation>
```

```
</xsd:annotation>
<xsd:restriction base="xsd:string">
  <xsd:maxLength value="2"/>
  <xsd:enumeration value="CN"/>
  :
  :
  <xsd:enumeration value="W"/>
</xsd:restriction>
</xsd:simpleType>
<xsd:simpleType name="AustralianPostalDeliveryType">
  <xsd:annotation>
    <xsd:documentation>
      Purpose - Define postal delivery types as per Australian Standard AS4590:2006
    </xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:string">
    <xsd:maxLength value="11"/>
    <xsd:enumeration value="CARE PO"/>
    :
    :
    <xsd:enumeration value="RMS"/>
  </xsd:restriction>
</xsd:simpleType>
```

Figure 2-1 Test Figure

### 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 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
AustralianStreetType AustralianStreetSuffix AustralianFlatOrUnitType AustralianFloorOrLevelType AustralianPostalDeliveryType		None	NMI Discovery Service Orders Customer Details Notification Amend Meter Rout Details Special Read request Special Read response Gas Meter Notification	Enumeration.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:

- XMLSpy 2010
- MSXML6
- Xerces 2.2.9

### 2.1.5.2 Test Cases

None

## 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:

- MSXML 6
- Xerces 2.2.9
- XMLSpy 2010

#### 3.1.2 Test Cases

None

#### 3.1.3 Test Results

N/A

### 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
Enumerations.xsd	1	Conforms

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 <sup>2</sup>	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: 15/06/2012

Option	# Votes	% Vote
Option 1 (section 2.1)	5	100
Abstained	0	0
Total Members Present out of 6 members	5	

Table 5-1, ASWG Vote Results

<sup>2</sup> Either 'Open' or 'Closed'