

# aseXML SCHEMA CHANGE REQUEST

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DOCUMENT REF: CR 41  
VERSION: 1.1  
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DRAFT/FINAL FINAL

## Version Release History

Version	Date	By	Changes
1.0	2/02/2011	Pius Kurian, Danny McGowan	Change the COCNumber Field maxLengthValue to 8
1.1	16/02/2011	Pius Kurian	Version of GasServiceOrderDetails has been changed to r27 in accordance with ASWG suggestions

## Glossary

Abbreviation	Description

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## 1 Change Proposal

The Plumbing Industry Commission (PIC) has issued new Certificate of Compliance (CoC) certificates that have eight digit numbers. Previously these certificates were issued with seven digit numbers.

The CoC number is a field within the ServiceOrderRequest aseXML transaction. The current schema used in the Victorian gas jurisdictions (r16) only has provision to accept seven characters for the CoC numbers.

With eight digit CoC numbers now in circulation, Retailers are unable to input all eight digits of the CoC number for any Meter Fix (MFX) transactions that they send to Distribution Business. In the Victorian gas jurisdiction the CoC number is a mandatory field. Recording the CoC is a prescribed regulatory process that sits within Energy Safe Victoria (ESV) regulatory framework.

Change Request 41 proposes to modify the ServiceOrderRequest aseXML transactions by increasing the CoC field length from seven to eight.

See Appendix A that shows the marked up change.

A temporary work round is in place at the moment to facilitate the recording of eight digit CoC numbers.

Given that the proposed change outlined in this request is of a regulatory nature, the Australian Energy Market Operator (AEMO) request that the updates to the aseXML schema be implemented in the r27 release which the approved release date is schedule for 11<sup>th</sup> March 2011.

For further information regarding this change request please contact Danny McGowan (AEMO) (03) 96098447 or Pius Kurian (AEMO) (03) 9609 8561.

## 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	<b>Modified simple types:</b> COCNumber	Enhancement

Table 1-1, Proposed Changes

## 1.2 Reason for Change

In late 2009 it was identified by the PIC that the existing data range for the CoC were almost exhausted which gave raise to the PIC decision to increase the number range from 7 to 8 digits. Certificates were soon being printed and issued to plumbers with an 8 digit CoC number. Unbeknown to PIC the current gas industry schema validation only accepts 7 digits.

At the August 2010 meeting of the Victorian Gas Retail Market Consultative Forum (GRCF-V), gas retail and distribution business representatives raised an issue regarding the inability to process "A" type Meter Fix Service Order Request transactions via AEMO's Business-to-Business (B2B) system because the CoC field length is restricted to 7 digits.

On behalf of the gas industry AEMO wrote to the ESV, questioning how many digits were required for the CoC field. AEMO received confirmation from ESV and PIC that 8 digit is required. Further correspondence from ESV and PIC clarified that the 8 character required for the CoC number will not be exhausted until well after 5 years.

With the field length for the CoC number now ratified, AEMO on behalf of the GRCF-V has formally requested that AEMO raise a change request to amend the existing aseXML schema for ASWG consideration.

## 1.3 Supplied Documents

### 1.3.1 Other

aseXML\_r27\_Draft\_zip

## 1.4 Baseline Schema

The schema used as a basis for this proposal is **aseXML\_r26.xsd**.

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

- New
- Enhancement, or
- Bug Fix

## 2 Approval Proposal

### 2.1 Proposed Change #1<sup>2</sup>

#### 2.1.1 Draft schema

Please refer to the schema files included with this proposal. The base schema is aseXML\_r26 and one file has been modified as detailed in the next section.

#### 2.1.2 Change log

The following changes have been implemented in this draft:

Chg #	Item #	Description of change	Filename
1	1	R26 namespace declaration and included files (r26 suffixes)	aseXML_r27.xsd
	2	New simple types: COCCNumber	Gas_r27.xsd
	3	Changed version number of GasServiceOrderDetails to "r27"	
	4	New simple type: r27	Events_r27.xsd

Table 2-1 Change Log

#### 2.1.3 Schema change description

##### 2.1.3.1 Change the CoCNumber data type

This is a simple data type which is extended from String type and the length is to be changed from 7 to 8 as described in section 1.2.

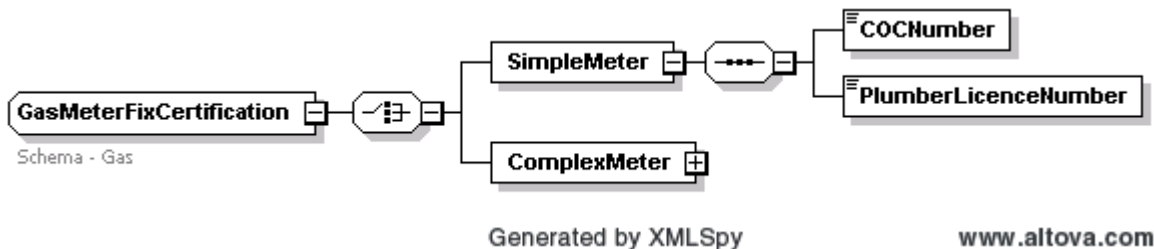


Figure 2-1 COCCNumber as a Part of GasMeterFixCertification

<sup>2</sup> This section may be repeated if more than one option is considered

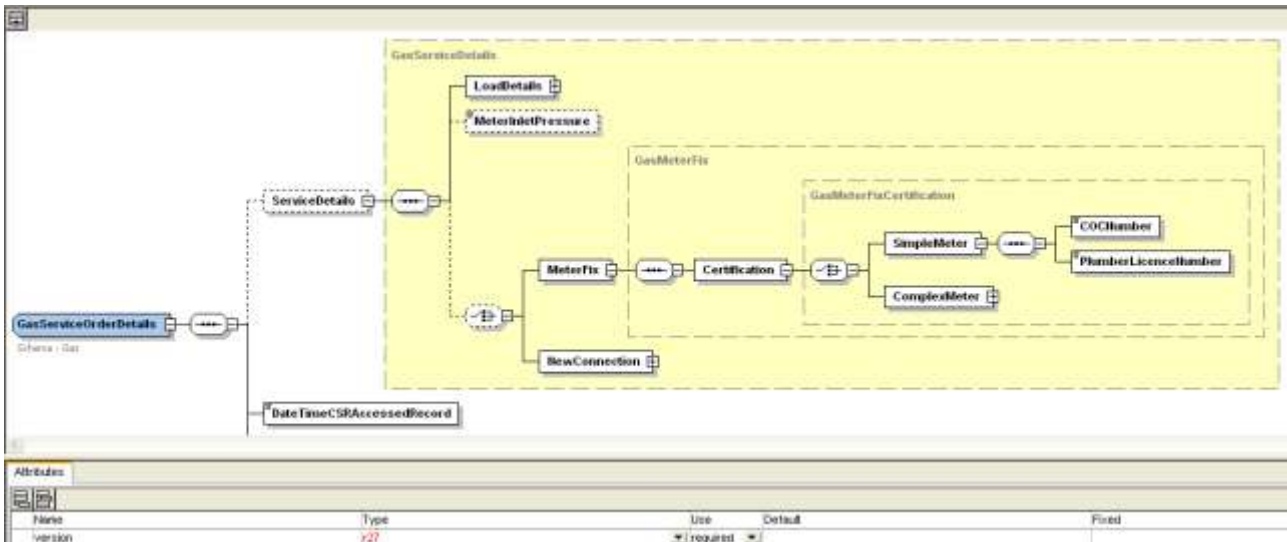


Figure 2-2 GasServiceOrderDetails

The version attribute of GasServiceOrderDetails has been revised to r27.

### 2.1.3.2 Gas\_r27.xsd

Text added is given in bold:

... unmodified text removed for brevity ...

```

<xsd:complexType name="GasMeterFixCertification">
  <xsd:annotation>
    <xsd:documentation>Schema - Gas</xsd:documentation>
  </xsd:annotation>
  <xsd:choice>
    <xsd:element name="SimpleMeter">
      <xsd:complexType>
        <xsd:sequence>
          <xsd:element name="COCNumber">
            <xsd:simpleType>
              <xsd:restriction base="xsd:string">
                <xsd:maxLength value="7"/>
                <xsd:maxLength value="8"/>
              </xsd:restriction>
            </xsd:simpleType>
          </xsd:element>
          <xsd:element name="PlumberLicenceNumber">
            <xsd:simpleType>
              <xsd:restriction base="xsd:string">
                <xsd:maxLength value="30"/>
              </xsd:restriction>
            </xsd:simpleType>
          </xsd:element>
        </xsd:sequence>
      </xsd:complexType>
    </xsd:element>
  </xsd:choice>
</xsd:complexType>

```

... unmodified text removed for brevity ...

```

<RequestData xsi:type="ase:GasServiceOrderDetails" version="r16" r27">
    <SpecialInstructions>
        <CommentLine>Special instructions</CommentLine>
    </SpecialInstructions>
    <ServiceDetails>
        <LoadDetails>
            <PerHour>234</PerHour>
            <PerAnnum>3456326324</PerAnnum>
        </LoadDetails>
        <MeterInletPressure>1.1</MeterInletPressure>
        <MeterFix>
            <Certification>
                <SimpleMeter>
                    <COCNumber>COC12322</COCNumber>

                </SimpleMeter>
            </Certification>
        </MeterFix>
    </ServiceDetails>
    <DateTimeCSRAccessedRecord>2002-01-
01T12:00:00+10:00</DateTimeCSRAccessedRecord>
    <DateTimeCSRProcessedTransaction>2002-01-
01T12:01:00+10:00</DateTimeCSRProcessedTransaction>
</RequestData>

```

... unmodified text removed for brevity ...

### 2.1.3.3 Events\_r27.xsd

Text added is given in bold:

```

<xsd:simpleType name="r27">
    <xsd:annotation>
        <xsd:documentation>Purpose - Release r27 identifier. This release extends the length of element
COCNumber to 8.</xsd:documentation>
    </xsd:annotation>
    <xsd:restriction base="ReleaseIdentifier">
        <xsd:enumeration value="r27"/>
    </xsd:restriction>
</xsd:simpleType>

```

### 2.1.3.4 aseXML\_r27.xsd

Text added is given in bold:

```
<?xml version="1.0" encoding="UTF-8"?>
<xsd:schema xmlns="urn:aseXML:r27" xmlns:xsd="http://www.w3.org/2001/XMLSchema" targetNamespace="urn:aseXML:r27">
  <xsd:annotation>
    <xsd:documentation>
```

Purpose — Top level aseXML schema

... *unmodified text removed for brevity* ...

```
</xsd:documentation>
</xsd:annotation>
<xsd:include schemaLocation="Events_r26.xsd">
<xsd:include schemaLocation="Events_r27.xsd">
```

Purpose — Include data types for status reporting

```
</xsd:documentation>
</xsd:annotation>
</xsd:include>
```

... *unmodified text removed for brevity* ...

```
</xsd:annotation>
</xsd:include>
<xsd:include schemaLocation="Gas_r19.xsd">
<xsd:include schemaLocation=" Gas_r27.xsd">
```

```
<xsd:annotation>
  <xsd:documentation>
```

Purpose — Include Electricity market data types for HSM transactions

... *unmodified text removed for brevity* ...



## 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
Modified simple type: COCCNumber Modified complex type: GasServiceOrderDetails	None	None  Complex type GasServiceOrderDetails	ServiceOrderRequest  (Only Gas ServiceOrderRequest)	Gas_r27.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
- MSXML4 SP1, 6
- Xerces 2.2.1 and 2.9.1

### 2.1.5.2 Test Cases

## 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 4.0 SP1 (Schema was also validated using proposed MSXML 6.0)
- Xerces 2.2.1, (Schema was also validated using proposed Xerces 2.9.1)
- XMLSpy 2010 (XML Spy 2010 was used as XML Spy 2004 was unavailable)

#### 3.1.2 Test Cases

Samples have been tested as per section 2.1.5.2.

#### 3.1.3 Test Results

All OK.

### 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

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>3</sup>	Resolution

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:11/03/2011

Option	# Votes	% Vote
Option 1 (section 2.1)	5	100
Abstained		
Total Members Present	5	100

Table 5-1, ASWG Vote Results

<sup>3</sup> Either 'Open' or 'Closed'