Schema Change Request

Document ID	**CR#5**
Change Type	"Enhancement"
Title	
Date	30 June, 2003
Prepared By	Bibhakar Saran
Priority	

Notes

Document Control

Version	Date	Author	Summary of Change
0.1	20/6/2003	Bibhakar Saran	Created the initial document and completed all sections for ASWG approval and acceptance as "final"
0.2	25/6/2003	Darren Field	Added additional Test Case information. Moved ServiceOrderType and ServiceOrderSubType from ServiceOrder to Electricity as these are not used by VicGas.

Document Status

Sample Change Request Management (CRM) State Descriptions:

State	Definition	Access Control
Submit Proposal	This state occurs as the result of a new Change Request submission. Change Request is placed in the CCB Review queue. No owner assignment takes place as a result of this action.	All Users
Reject Proposal	A Change Request in this state is determined by in the CCB Review Meeting or by the assigned team member to be an invalid request or more information is needed from the submitter. If confirmed invalid, the Change Request will be *Closed* by the CCB and the submitter notified.	
Closed	Change Request no longer requires attention. This is a final state a Change Request can be assigned.	
Approved Proposal	A Change Request is then assigned a baseline and the schedule update, if appropriate.	
Proposal Assessment	This state occurs as the result of update of an existing Change Request with all implementation details, i.e. change log, release notes, dependency analysis. Change Request is placed in the CCB Review queue.	
Proposal Rejected	A Change Request in this state has been *Rejected* and needs rework. As a result the Change request can be resubmitted for assessment at *Proposal Assessment* state for next iteration or *Closed*.	
Proposal Accepted	A Change Request in this state has been *Approved* and is ready to be published in a draft release.	
Published	Change Request no longer requires attention. This is a final state a Change Request can be assigned.	

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1. Change Proposal

A Change Proposal is a ASWG managed "Parcel" of work. The Originator of the Change Proposal defines the "Parcel" of work. The industry Working Groups and Market Operators (or its vendor) can act as Originator. The Originator and the ASWG

1.1. Description of the proposed change

This section describes the proposed changes from business perspective.

Table 1-1, Proposed Changes

Item#	Change Description	Change Type
1.	Update the SpecialReadReasonCode to include additional values	Enhancement
2.	Add optional data element service order sub-type required where ServiceOrderType = "DENERGISE"	Enhancement

1.2. Reason for Change

To ensure that the R11 schema is capable of supporting the SA business processes [1].

1.3. Supplied Documents

1.3.1 Business process document

1. B2B_SO_SA_IP_v1-2_-_Effective_21May2003.doc

2. B2B_CD_SA_IP_NMI_Disc_and_MSATS_Reg_v1-1_-_Effective_18May2003.doc

3. B2B_TE_SA_IP_NMI_Disc_and_MSATS_Reg_Tech_Spec_v1-1_-_Effective_18May2003.doc

1.3.2 Data model

N/A

1.4. Impact assessments on Participant's systems

1.4.1 Business Impact

"The latest aseXML Schema should always reflect the NEM B2B transaction definitions **effective** at the time the Schema is finalised (usually at least two weeks prior to the Schema being released)."

The addition of the enumeration values supports the SA business processes for stickered reads and re-energisations after payment.

The additional sub-type supports the SA business process for "De-energisation"

1.4.2 Technical Impact

None anticipated, as the schema is not used industry wide.

1.5. Affected Configuration Items (Baseline)

The ASWG identifies and outlines the configurable items (schema namespace and version) to be used for the implementation of the proposed changes.

1.5.1 Schema

It is assumed that the proposed changes would be incorporated in the aseXML schema release r11 – Draft 2 published with bug fixes.

2. Approval Proposal

2.1. Description of the proposed approval

The table below defines the action in relation to each change item as listed in the Description of the proposed change section.

Table 2-1, Proposed Change Approval

Item#	Proposal Notes	Category	Action

1.	Update the SpecialReadReasonCode to include additional values
	
	   o Sticker Removed
	   o Final Read Stickered
	   o Read Following Disconnection for Non-Payment
		Enhancement	Approved

2.	Add optional data element service order sub-type required where ServiceOrderType = "DENERGISE"	Enhancement	Approved

2.2. Configuration Items (New Baseline)

The aseXML r11 schema – "Final" release is attached.

2.2.1 Draft schema

This is a minor extension to the r11 draft schema.

2.2.2 Schema change description

The Originator provides the change descriptions
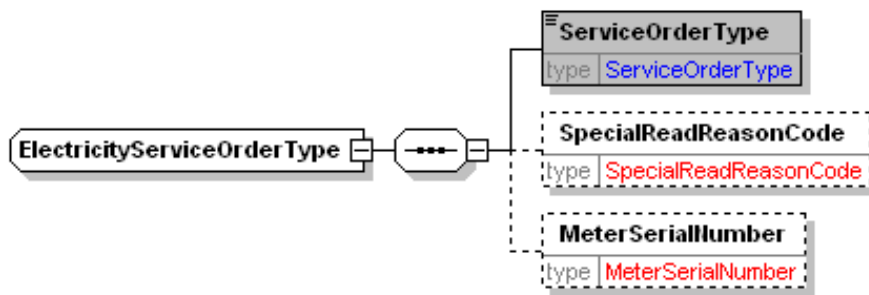
2.2.3 Change log

All changes to this document as submitted to ASWG have been change marked and listed in the Document Control section.

The following changes constitute the comprehensive list of changes.

Table 2-2, Schema Change Log

Chg. No	Description	FileName	Item#

1.	Update the SpecialReadReasonCode to include additional values
	
	   o Sticker Removed
	   o Final Read Stickered
	   o Read Following Disconnection for Non-Payment
		ServiceOrder_r11.xsd	1

2.	Added enumerated list of ServiceOrderSubType	Electricity_r11.xsd	2
3.	Added optional attribute subType to data element ServiceOrderType in complexType ElectricityServiceOrderType	Electricity_r11.xsd	2
4.	Moved complexType "ServiceOrderType" from ServiceOrder to Electricity	ServiceOrder_r11.xsd/ Electricity_r11.xsd	-

Figure 2-1, Service order sub-type attribute.

2.2.4 Dependency analysis

The following table summarizes identified impact of the changes.

Table 2-3, Dependency Analysis

Chg. No	Description	Used by Versioned Types	Transactions
1	Update the SpecialReadReasonCode to include additional values o Sticker Removed o Final Read Stickered o Read Following Disconnection for Non-Payment	ServiceOrderNotification ServiceOrderRequest	ServiceOrderRequest ServiceOrderResponse SpecialReadRequest SpecialReadResponse
2	Added enumerated list of ServiceOrderSubType	ServiceOrderNotification ServiceOrderRequest	ServiceOrderRequest ServiceOrderResponse SpecialReadRequest SpecialReadResponse
2	Added optional attribute subType to data element ServiceOrderType in complexType ElectricityServiceOrderType	ServiceOrderNotification ServiceOrderRequest	ServiceOrderRequest ServiceOrderResponse SpecialReadRequest SpecialReadResponse

3. Proposal Assessment

3.1. Test

The ASWG ensures that all recommended parsers on relevant platforms could successfully validate the proposed schema.

3.1.1 Test Platforms

The proposed schema and supplied sample instance documents have been tested using the following parsers:

- o   Xerces-J 1.4.4
- o   Xerces-J 2.2.1
- o   MSXML 4 SP1
- o   XML Spy version 5.4

3.1.2 Test Cases

The following new sample xml documents have been supplied by the change proposer and have been tested using the specified parsers. The files are attached as TestSamples:

- o   SO.Request.DEENRGISE_r11_sa_m.xml
- o   SO.Request.DEENRGISE_r11_vic_a.xml
- o   SO.Request.DEENRGISE_r11_vic_m.xml
- o   SO.Request.NEWCONNECT_r11_vic_a.xml
- o   SO.Request.NEWCONNECT_r11_vic_m.xml

In addition, all samples provided as a part of ASWG Change Request No 4 have been tested against the new schema using the specified parsers.

3.2. Conformance Report

The ASWG completes the conformance report validating each proposed change against the published aseXML guidelines.
Note: Item# is a reference to items listed in the Description of the proposed approval.
Table 3-1, Change Proposal Conformance Details

Schema Filename	Impacted by Item #	Conformance Details
Electricity_r11.xsd	2	Conforms
ServiceOrder_r11.xsd	1, 2	Conforms

4. Review Disposition

The ASWG assists developers with schema related queries and confirms appropriateness of development against criteria.

4.1. Description of Changes - Approved and Accepted

Table 4-1, Review Notes for proposed approvals

Item#	Reviewer's Comment	Status
1.	Proposed change accepted	Accepted
2.	Proposed change accepted	Accepted

Note: Item# is a reference to items listed in the Description of the proposed approval.

4.2. Impact assessments on Participant's systems

The ASWG seeks the market participants' input on the expected business and technical impacts.

4.2.1 Business Impact

As identified in section 1.4.1

4.2.2 Technical Impact

As identified in section 1.4.2

4.3. Supplied Documents

See Configuration Items (New Baseline) for details. Once the schema is being reviewed, the draft version of the schema is to be published. The audience and means of publication is decided on a case-by-case basis. The general rule is to promote participant's early access to the proposed changes.

Note: For the schema to be published, it must be ready for "Approval".

5. Resolution

The ASWG provides a resolution for each change item contained in the Approval Proposal. The resolution is forwarded to the Originator for implementation considerations as required by respective Change Management Process.

5.1. Changes Approved and Accepted

The ASWG compiles the list of change items proposed for approval together with their resolution status in the table below.

Note: Item# is a reference to items listed in the Description of Changes - Approved and Accepted.
Table 5-1, Change Log with Approval Status

Chg. No	Description	FileName	Item#	Status
1.	Update the SpecialReadReasonCode to include additional values o Sticker Removed o Final Read Stickered o Read Following Disconnection for Non-Payment	ServiceOrder_r11.xsd	1	Accept
2.	Added enumerated list of ServiceOrderSubType	ServiceOrder_r11.xsd	2	Accept
3.	Added optional attribute subType to data element ServiceOrderType in complexType ElectricityServiceOrderType	Electricity_r11.xsd	2	Accept
4.	Moved complexType "ServiceOrderType" from ServiceOrder to Electricity	ServiceOrder_r11.xsd/ Electricity_r11.xsd	-	Accept