Schema Change Request

Document ID	**Change Request Number 18**
Change Type	Enhancement
Title	Non PTS FRC Services
Date	2 February, 2005
Prepared By	Andrew Screen
Priority	Low

Notes

Document Control

Version	Date	Author	Summary of Change
0.1	7/7/04	ASCREEN	Modifications to facilitate the delivery of FRC services to Non-PTS Supply Points. New aseXML element to added to the GasMasterStandingData type to be used in the MeterFix, MIRNStandingUpdate, CATSDataRequest, CATSChangeRequest(response) transactions
0.2			Change of element name from DBNetworkID to NetworkID. .
1	3/11/04	Andrew Screen	Finalisation of Change prior to inclusion in draft schema version r16
2	5/11/04	Andrew Screen	Minor clarification to use business use of NetworkID element. (section 1.4.1)
4	30/11/04	Matthew Lohmann	Peer review

Document Status

Approved for release

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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	New aseXML element in called NetworkID added to GasMasterStandingData	New

1.2. Reason for Change

The modifications required to facilitate the delivery of FRC services to Non-PTS Supply Points relate to the creation and delivery of a new aseXML element that is used to differentiate between a PTS and non-PTS Supply Point.

1.3. Supplied Documents

The Originator shall provide at least the following documents before the Change Proposal can be approved. The ASWG may request the Originator to provide other relevant documents where deemed necessary.

1.3.1 Business process document

- Retail Market Change request 68.doc.

1.3.2 Data model

The data model shall highlight the required changes to the content model of the schema. This forms the basis for the proposed changes to the schema. These changes are based solely on the changes to the business process. Provide diagrams, if appropriate.

Changes to the Business Process models are incorporated in the VICGas Retail market Change Request 68 Document.

1.4. Impact assessments on Participant's systems

1.4.1 Business Impact

The new element is required to identify the region that a MIRN is located in to allow the provision of common services for different regions not part of the Primary Transmission System. Other possible solutions such as using postcode and utilising a role have been considered, but deemed undesirable. For postcodes it is possible for postcodes to overlap in different regions and so it could not be used with certainty. Also the use of a role assignment has also been considered but it is believed to be the wrong use of role for the desired outcome as the change is really and instance of a role not a role itself. I.e. if Role was used a new role would have to be

created for each separate network that this change was to be used for. All changes to the schema utilize optional fields and so will not have any impact on other except where this is required to be used.

The following transactions will be affected by the change.

MeterFix, MIRNStandingUpdate, CATSDataRequest, CATSChangeRequest(response)

As the number of Non PTS networks is expected to be small within a single market the use of a two digit numeric string (range 00 ..99) would be sufficient. As markets operate independently one market will not be prevented from using numbers allocated in another market but numbers would not be reused within a market. I.e. if a Non PTS Network merged with the PTS than the number used for the Non PTS Network would not be able to be used by another network within that market.

1.4.2 Technical Impact

The Originator identifies details of the technical impact of the proposed changes to the trading partners' backend systems.

Impact is fairly minimal, requires minor changes to the gateway system to handle the new element and pass it onto the backend system where the data will need to be stored as an extra attribute on the Mirn. Space & performance impact should be minimal to systems that will use this.

The new element will be optional in the schema and will only be mandatory depending upon the business requirements.   Where the business rules require the elements to be provided this will need to be handled by business validation (i.e. backend systems) rather than schema validations.

1.5. Affected Configuration Items (Baseline)

1.5.1 Schema

The base line schema for these changes is aseXML_r15 and the schema file affected is Gas_r15.xsd file.

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.

Note: Item# is a reference to items listed in the Description of the proposed change. In case, where this list does not exactly match the proposed changes, the items listed are grouped for each proposed change.

Table 2-1, Proposed Change Approval

Item#	Proposal Notes	Category	Action
1	New aseXML element in called NetworkID added to GasMasterStandingData	"Enhancement",	

2.2. Configuration Items (New Baseline)

Baseline schema is aseXML_r15.

2.2.1 Draft schema

Changes have been included in the Draft schema aseXML_r16.

2.2.2 Schema change description

Optional Element NetworkID is added to GasMasterStanding data

Figure 2-1 GasMasterStandingData
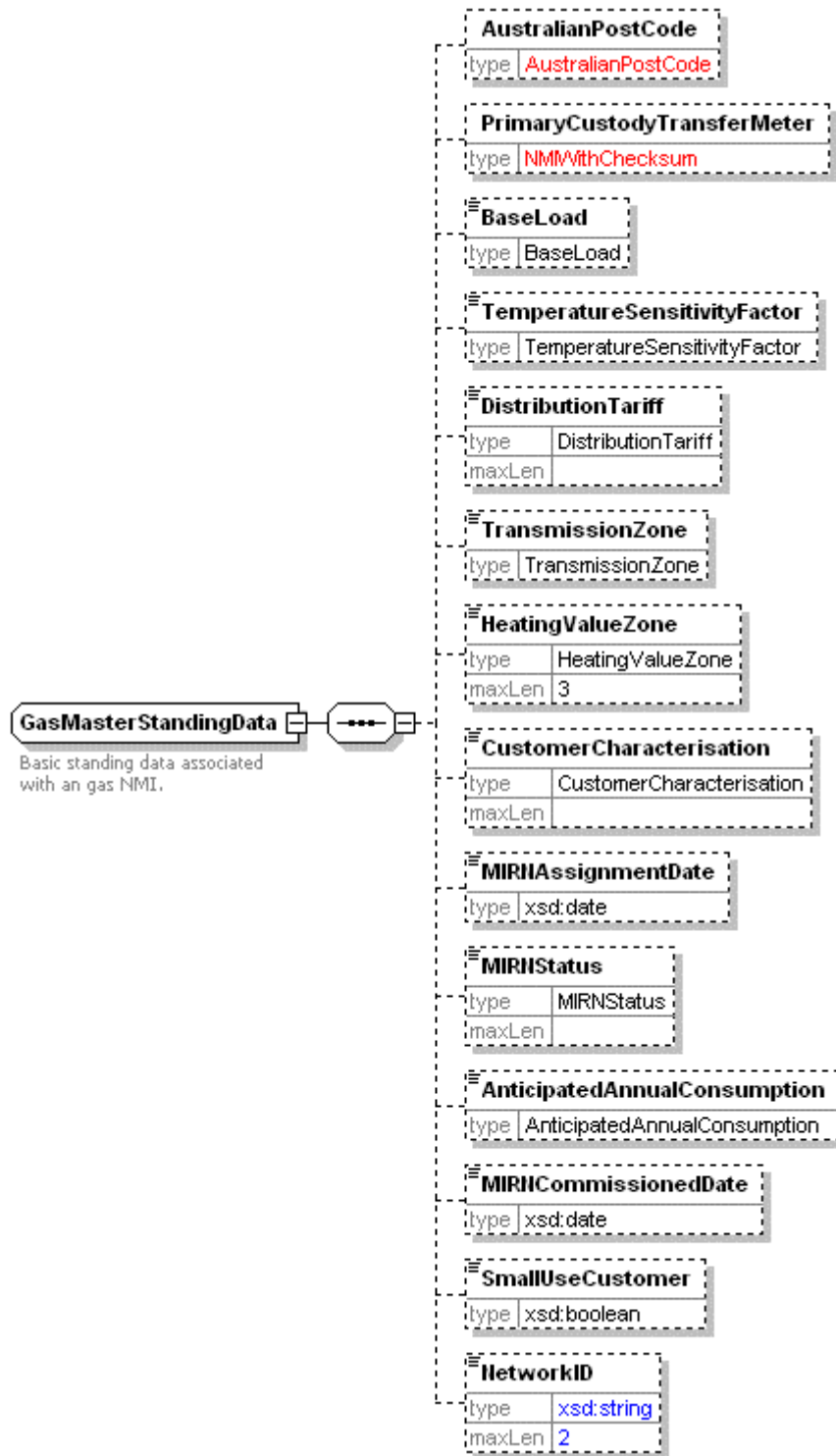
2.2.3 Change log

Table 2-2, Change Log

Change No	Description	Filename	Item#
1	New aseXML element called NetworkID added to GasMasterStandingData	Gas_r16.xsd	1

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2.2.4 Dependency analysis

ASWG completes the dependency analysis and verifies the changes with the documentation provided.

Item#	Transactions Impacted	Derived Types Impacted	Schema Filename	Modified Types
1	-	GasStandingData GasStandingDataUpdate	Gas_r16.xsd	Gas MasterStandingData

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

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

- o XMLSpy 5.3
- o MSXML4 SP1
- o Xerces 1.4.4 and 2.2.1

3.1.2 Test Cases

3.2. Conformance Report

The ASWG completes the conformance report validating each proposed change against the published aseXML guidelines.

Table 3-1, Change Proposal Conformance Details

Item#	Conformance Notes	Status
1	New aseXML element called NetworkID added to GasMasterStandingData	Approved

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

Schema Filename	Impacted by Item #	Conformance Details
Gas_r16.xsd	**1**	**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#	Review Notes	Status
1	New aseXML element called NetworkID added to GasMasterStandingData	Approved

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

4.2.2 Technical Impact

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.

Table 5-1, Change Resolution

Item#	Resolution Notes	Status
1	New aseXML element called NetworkID added to GasMasterStandingData	Approved

Note: Item# is a reference to items listed in the Description of Changes - Approved and Accepted.