



GAS FRC TECHNICAL SPECIFICATION - NOVEMBER 2016

AEMO CHANGE NOTICE SERIES: 935



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IMPORTANT NOTICE

Purpose & audience

This document describes the technical changes required to participant's systems for the Gas FRC Release 37 (Release). AEMO provides this information as a service targeting business analysts and IT staff in participant organisations. It provides guidance about the changes to their market systems under the National Gas or Electricity Rules (Rules), as at the date of publication.

How to use this document

- If you have questions about the business aspects of these changes, please see Consultations on [AEMO's website](#).
- The references listed throughout this document are primary resources and take precedence over this document.
- [Text in this format](#), indicates a reference to a document on [AEMO's website](#).
- This document is written in plain language for easy reading. Where there is a discrepancy between the Rules, and information or a term in this document, the Rules take precedence.

AEMO reference numbers

Included in each project heading is a Quality Centre Identifier (QCID) that provides useful tracking information. There may be none, one, or more QCIDs relevant to each project heading.

References to change notices are CN followed by the change notice number.

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None

Distribution

Available to the public.

Document Identification

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Documents made obsolete

The release of this document changes only the version of Gas FRC Technical Specification - November 2016.

Further Information

For further information, please visit AEMO's website www.aemo.com.au or contact:

AEMO Information and Support Hub	Phone: 1300 AEMO 00 (1300 236 600) and follow the prompts. Email: supporthub@aemo.com.au
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Feedback

To suggest corrections or improvements to this document, please call AEMO's Information and Support Hub.



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PROJECT LIST

The Gas FRC Release 37 includes the following projects:

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GLOSSARY

Abbreviations

Abbreviation	Explanation
B2B	Business-to-business
B2M	Business-to-market
FRC	Full Retail Contestability
MIRN	Metering Identification Reference Number
NGR	National Gas Rules; also often just called the Rules

Special terms

Term	Definition
aseXML	A standard developed by Australian energy industries to facilitate the exchange of information between energy industry participants
Enumerations	The Enumerations.xsd file containing acceptable attributes
MIRN Discovery	MIRN Discovery is function allowing participants to discover a customer's MIRN and checksum or discover sufficient standing data about the MIRN



1 GAS FRC ENHANCEMENTS

The Gas FRC Gas FRC Release 37 (Release) includes changes related to participants' IT systems. This technical specification describes the projects planned by AEMO from a participant perspective. AEMO provides this information as a service targeting business analysts and IT staff in participant organisations.

(P380) Enumerations

1.1.1 Overview

In 2012, the aseXML standards working group (ASWG) amended the aseXML schema to include the use of duplicate address attributes within B2B and B2M transactions.

These duplicate address attributes were included in version 4.0 of the non-versioned enumerations, referencing the address attributes contained in the Australian Standard (AS) 4590-2006.

This enhancement resolves the aseXML schema duplicate address attributes issue.

1.1.2 Benefits

- Reduces process overhead for retailers due to failed MIRN Discovery.
- B2B Service Orders, related to new connections, are no longer rejected due to a mismatch of an enumeration record held between the retailer and the network.

1.1.3 Impact

1. All VIC, QLD, SA, and NSW-ACT gas retail market participants' must update their systems to adopt the new Enumerations.xsd file, version 7.0.
2. AEMO Gas B2B related services, including gas B2B certification and the NSWACTGAS aseXML transformation service, are redeployed to support version 7.0.

For enumerations, guidelines, schema releases, sample files, standing data, see aseXML Schemas on [AEMO's website](#).

1.1.4 Risks

- No critical impacts to participants but if participants use removed duplicate address attribute values for MIRN Discovery and Service Order transactions they may be rejected.

1.1.5 Detail

This enhancement resolves the duplicate address attributes issue by:

1. Implementing the latest version of Enumerations (7.0) for schema validation.
2. Using the correct Street Type and Flat Type enumerated values for validation, see [Table 1](#) and [Table 2](#) on page 5.



3. If required, participants complete their own internal data cleansing.

Note: AEMO's implementation is not dependent on participants' doing their own data cleansing.

Table 1 Correct Street Type enumerated values

N o	Description	Incorrect	Correct Replacement	N o	Description	Incorrect	Correct Replacement
1.	ARTERY	ARTY	ART	19.	MOTORWAY	MTWY	MWY
2.	AVENUE	AV	AVE	20.	PARKWAY	PWY	PKWY
3.	BOARDWALK	BWK	BWLK	21.	PATHWAY	PWAY	PHWY
4.	BRACE	BR	BRCE	22.	RIGHT OF WAY	ROFW	ROWY
5.	CAUSEWAY	CSWY	CAUS	23.	RETURN	RTN	RTRN
6.	CONNECTION	CNTN	CNN	24.	SERVICEWAY	SVWY	SWY
7.	CRESCENT	CR	CRES	25.	THOROUGHFARE	THFR	THOR
8.	CUL-DE-SAC	CSAC	CDS	26.	TRAMWAY	TWAY	TMWY
9.	CUTTING	CUTT	CTTG	27.	VIADUCT	VIAD	VDCT
10.	DEVIATION	DE	DEVN	28.	VILLA	VLLA	VLL
11.	DRIVEWAY	DVWY	DRWY	29.	WATERWAY	WWAY	WTWY
12.	FORK	FORK	FK	30.	WOOD	WD	WOOD
13.	GLADE	GLDE	GLD				
14.	GATEWAY	GWY	GTWY				
15.	HEATH	HTH	HETH				
16.	HIGHROAD	HIRD	HRD				
17.	ISLAND	ID	ISLD				
18.	MANOR	MNR	MANR				

Table 2 Correct Flat Type enumerated values

N o	Description	Incorrect	Correct Replacement
1.	DUPLEX	DUPL	DUP
2.	FACTORY	FCTY	FY
3.	FLAT	FLAT	F



N o	Description	Incorrect	Correct Replace ment	N o	Description	Incorrect	Correct Replace ment
4.	MARINE BERTH	MBTH	MB	8.	UNIT	UNIT	U
5.	OFFICE	OFFC	OFF	9.	WAREHO SE	WHSE	WE
6.	ROOM	ROOM	RM				
7.	STALL	STLL	SL				

1.1.6 Implementation

AEMO implements this enhancement as follows:

1. AEMO introduces the new Enumerations file.
2. Any duplicate attributes are now aseXML schema invalid for both B2M and B2B.

2 BASELINE ASSUMPTIONS

AEMO works to the assumption that participants' systems are compliant with the minimum supported configuration of the following.

2.1 aseXML Schemas

The supported aseXML versions and enumerations for this Release are:

	Latest	Current	Superseded	Schema changes?	Enumerations	AEMO website search
VIC, QLD, SA	r29	r29	r16	No	7.0. changes for this release	aseXML standards
NSW/ACT	r34	r34	none	No	7.0. changes for this release	

Participants need to keep up-to-date with aseXML schema changes because only one past (superseded) version is supported.



2.2 B2B Transforms

The following B2B transforms apply for the Wagga Wagga to Tamworth region:

Supported	Release
r29 to r34	37
r34 to r29.	37

2.3 Procedures

AEMO consultations are key reference documents and take precedence over this document. For open consultations and recently closed consultations, see Stakeholder Consultation on [AEMO's website](#).

Retail Market Procedure	Version	Effective	Changes for this Release	AEMO website search
NSW & ACT	15	2 May 2016	no	Gas Retail Market Procedures
QLD	12	14 September 2015	no	Gas Retail Market Procedures
SA & WA	8	14 September 2015	no	Gas Retail Market Procedures
VIC	10	14 September 2015	no	Gas Retail Market Procedures

Participants who use other standards critical to their business are strongly advised to participate in the pre-production rollout and testing period.

3 IMPLEMENTATION

3.1 Approval or agreement to change

AEMO request approval to proceed from all participant change controllers. For approval dates, see Release Schedule 935.

3.2 Transition

Participants must update their Enumerations file version.



3.3 Implications

To maintain systems in-line with AEMO's market systems, participants need to:

- Review and assess the impact on their market systems with respect to the changes implemented as part of this Release.
- Change their systems prior to the implementation of this Release.
- Schedule staff and resources to upgrade their market systems for the production implementation of this Release.

3.4 Upgrade options

From a technical perspective, the key is usually the aseXML release(s) each participant can support.

Option 1

- Update local processes and technical interfaces to suit the changes.

Option 2

- If changes are irrelevant to participant business processes and technical interfaces, ignore this release.

AEMO encourages participants to make use of the four-week pre-production period, to assess and test any impact to their market systems and business processes.

Participants using data replication products critical to their business are strongly advised to participate in the pre-production rollout and testing period.

3.5 What happens if I do not upgrade?

For Gas FRC Release 37, assuming you are using the current aseXML schema:

- If participants use removed duplicate address attribute values for MIRN Discovery and Service Order transactions they may be rejected.