Notice to all Participants,   9 March 2017

Notice to Participants on AEMO decision to approve amendments to the Connectivity Testing and Technical Certification (SA and WA), Gas FRC B2B Connectivity Testing and Sys Certification (Vic, QLD and NSW/ACT) and Specification Pack Usage Guidelines

This notice advises Gas Market Registered Participants that consultation under the ordinary Procedure change consultative process prescribed under Rule 135EE of the National Gas Rules (**NGR**) concluded on 8 February 2017 for:

- **IN034/16 (FRC Hub Self Service Certification Enhancement)**

Prior to commencing the ordinary consultation process, this proposal was considered by the Gas Retail Consultative Forum (GRCF) in accordance with the "Approved Process" under rule 135EC.

As required under Rule 135EE of the NGR, Gas Market Registered Participants and other interested parties were invited to submit comments to AEMO on the Impact and Implementation Report (IIR) for each proposal.

Attachment D of this notice sets out the consolidated feedback relating to the Connectivity Testing and Technical Certification (SA and WA), Gas FRC B2B Connectivity Testing and System Certification (Vic, QLD and NSW/ACT) and Specification Pack Usage Guidelines that AEMO received during this consultation phase. These include stakeholder comments, AEMO responses and, based on those responses, indicate where the feedback resulted in further amendment to the documents mentioned above.

Having considered each proposal and the issues raised in the consultation, AEMO has decided to make further amendments to Connectivity Testing and Technical Certification (SA and WA) and Gas FRC B2B Connectivity Testing and Sys Certification (Vic, QLD and NSW/ACT) in the forms published in this notice. These changes take effect on **31 March 2017**.

Updated versions pertaining to the changes described in Attachments A, B, and C will be published on the AEMO website prior to the effective date.

Should you require any further information please contact Nandu Datar on (03) 9609 8851.

Responsibilities

FRC Hub Administrator

The FRC Hub Administrator (AEMO) is responsible for operational management of the FRC Hub and provision of Certification Services. This includes:

- o Provision and maintenance of a certification environment
- o Review and reporting of certification tests

E-mail: ~~FBSAdmin~~<u>support.hub</u>@AEMO.com.au

Phone: AEMO Helpdesk 1300 236 600~~, (03) 9609 8000~~

Retail Market Operation (RMO) team

AEMO's Retail Market Operation (RMO) team are responsible for issuing advice on whether certification has been successfully completed. This is done in consultation with AEMO IT application support.

E-mail: rmo@aemo.com.au

3. Preparation for Certification

Applicants will follow these steps to be eligible for certification:

- o Applicants obtain the relevant Build Packs containing process flows, interface definitions and details of system architecture from AEMO.
  The Build Packs are available from the AEMO website: www.AEMO.com.au

- o Applicants obtain an FRC Gas Hub Participant User Guide and Registration Form from AEMO website ~~or FBSA by e-mail~~

- o Prior to registering Participants should discuss with AEMO Retail Market Operation (RMO) team and confirm details via e-mail;

- o Participants should discuss requirements with FBS Administrator and then register their intention to undertake certification by e-mail to Support Hub;

- o Applicants connect their Test Gateway to the FRC Test Hub by following the instructions in the FRC Gas Hub Participant User Guide.

- o The FBS Administrator will make available a 'Sandpit' environment for preliminary testing prior to formal certification. Applicants will use this environment to test their systems to prepare for formal certification.

- o Applicants ~~will arrange a time with the FBS Administrator to perform the certification process. This is an important step in the procedure. For FBS Administrator to be able to effectively analyse the results of a certification process it needs to know when the participant started and stopped sending transactions for certification.~~ can commence certification at any time. They should note the start and end time of the certification run so transactions/messages can be analysed later.

- o The applicant will then use the Certification environment to formally certify. Two stages of formal testing will be conducted by the applicant. These stages are described as Window 1, and Window 2. An applicant will need to have successfully completed Window 1 before commencing Window 2.

- o Once completed, the applicant will then use the Certification Checker to ensure their transactions and messages have passed certification.

- o The Participant will then contact Support Hub via email to request a final review by FBSAdmin.

3.1 Certification Window 1 – Messaging (ebXML)

3.3 Certification Notification

When these procedures have been completed, the applicant will utilise the Certification Checker to ensure the certification has passed. Once the Certification Checker has shown all required transactions as passed the applicant will then advise the FBSA, who will review the results of the certification process. When an applicant has been successful, the FBSA will certify that on a technical basis, they are eligible to participate in the Gas Market, using the transactions for which they have been certified. The FBSA will produce a report advising the applicant and AEMO of the results of the certification process and the eligibility status of the applicant.

1. Certification Process
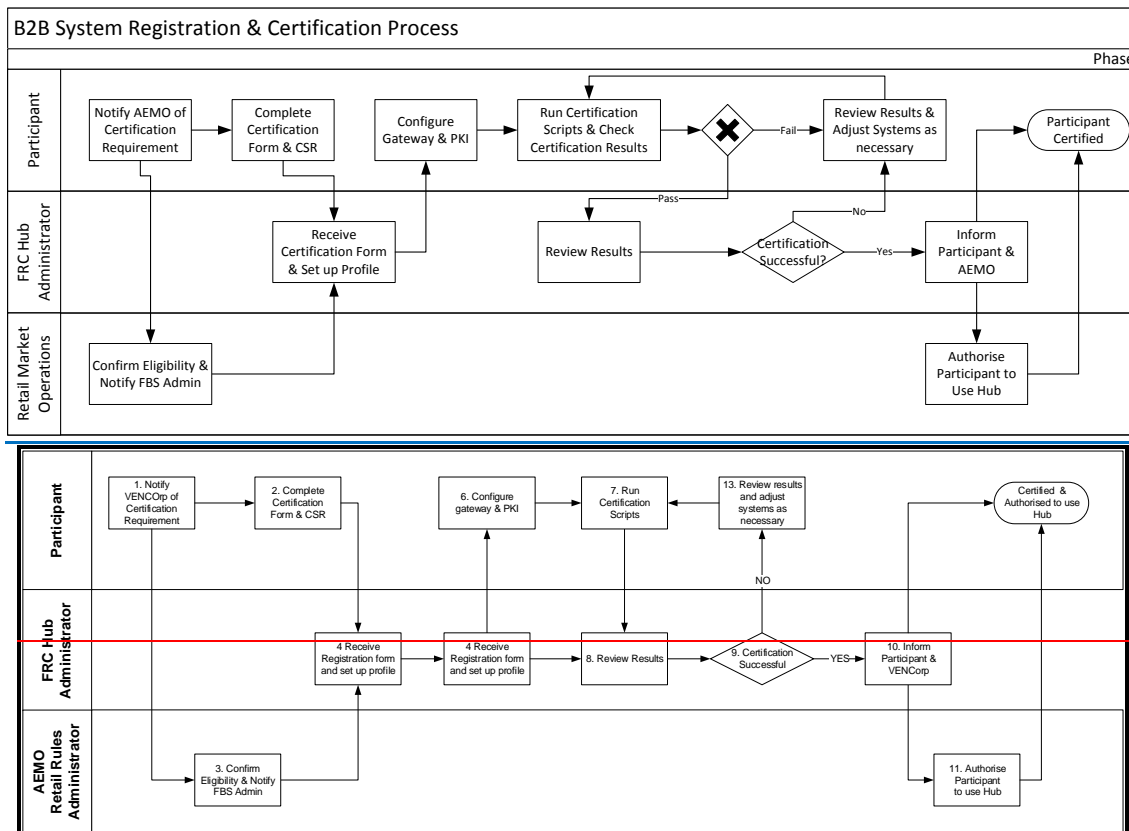
4,1 Communicating with Retail Market Operation (RMO) team and Hub Administrator

Initial contact with the Retail Market Operation (RMO) team or the FBS Hub Administrator should be preferably made via e-mail~~telephone~~. However, to ensure that there are records of key steps during the certification / re-certification process confirmation of key issues should be made via e-mail to the Support Hub.

Contact details for the Administrators are available at the front of this document.

4.2.8 Check Results

The Participant will then utilise the Certification Checker to determine which transactions/messages have passed certification. Once all messages / transactions have passed certification, the Participant will contact Support Hub via email to request a final review by FBSAdmin.

4.2.9 Review Results and Adjust

If the Participant has not successfully completed the test scripts they should review the results via the Certification checker and make the necessary adjustments to their gateway before re-testing their systems.

4.2.8.4.2.10 Review Results

The FBSA will review the results of the test scripts and determine whether the Participant has completed the test scripts successfully.

4.2.9.4.2.11 Outcome of Review

The FBSA determines whether or not the Participant has successfully completed the test scripts they were testing their gateway against and will notify the Participant accordingly.

4.2.12 Review Results and Adjust

If the Participant has not successfully completed the test scripts, they will repeat steps from section 4.2.9

4.2.10 Review Results and Adjust

If the Participant has not successfully completed the test scripts they should review the results of the test process and make the necessary adjustments to their gateway before re-testing their systems.

4.2.11.4.2.13 Inform Participant & AEMO

Once the Participant has successfully completed all the test scripts the FBSA will provide advice to both the Participant and AEMO Retail Market Operation (RMO) team that the Participant has successfully completed the test transactions.

4.2.12.4.2.14 Authorise Participant to use Hub

If AEMO is satisfied with the outcomes of the certification process and the Participant has met their other regulatory and market requirements enabling them to actively participate in the retail market, AEMO will then

1. If relevant - advise other Participants that a New Participant is certified to use the Hub and provide the new Participants ID. New Participants should allow two weeks for other Participant's systems to be updated; and
2. Issue an authorisation for the Participant to actively send transactions through the FBS.

4.2.13.4.2.15 Participant Certified and Authorised to use Hub

At this point the participant is certified to send and receive transactions on the FRC Hub and AEMO has authorised them to use the Hub to conduct business.

NB: Communication of new Participant ID's, and any other information relevant to the operation of the FBS will be via e-mail. These messages will be sent to the communications mailbox nominated when participants register.

Appendix E – Form of AEMO Certification Checklist

Checklist ~~attached~~ can be accessed from the 'FRC Hub' section of the following page on AEMO website:
http://www.aemo.com.au/Gas/IT-systems-and-change~~http://www.aemo.com.au/AEMO%20Home/Gas/Resources/Information%20Systems/~/media/Files/Other/retailgas/0700_0040%20doc.ashx~~

ATTACHMENT B
Proposed changes: CONNECTIVITY TESTING AND TECHNICAL CERTIFICATION (SA and WA)
~~Red strikeout~~ means delete and
<u>blue underline</u> means insert

1.2 Certification Pre-requisites

Applicants will need to create and register a test gateway and back end system, and connect it to the FRC Gas Test Hub to enable certification to take place. Instructions for gateway registration and connection are contained in the FRC Gas Hub Participant User Guide, available <u>from the 'FRC Hub' section of the following AEMO webpage:</u>~~on the AEMO website at~~ <u>http://www.aemo.com.au/Gas/IT-systems-and-change</u>~~www.aemo.com.au/retailops/0700-0039.pdf~~

1.3 Certification Processes

FRC B2B System Registration & Initial Certification Process

FRC B2B System Registration & Initial Certification Process
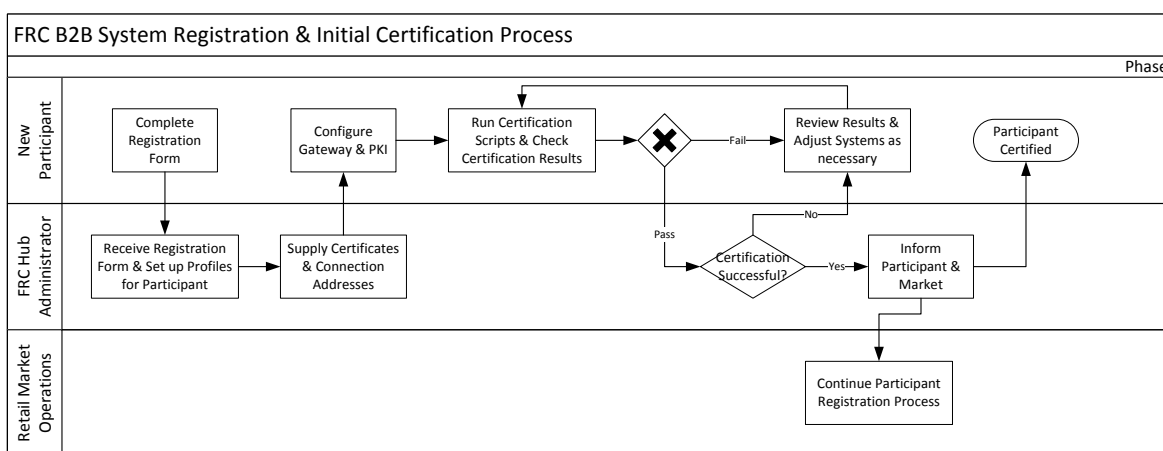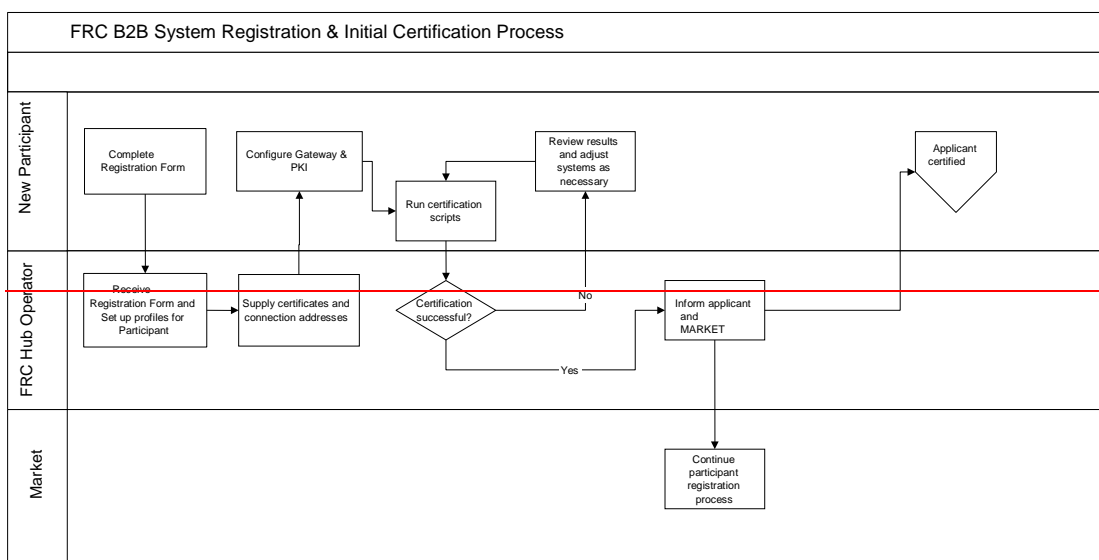
1.3.1 New Participant Certification

Applicants will follow these steps to be eligible for certification:

- Applicants will obtain the AEMO Specification Pack and Information Pack containing process flows, interface definitions and details of system architecture from AEMO;

- Applicants will obtain an FRC Gas Hub Participant User Guide and Registration Form from AEMO;

- Applicants connect their test gateway to the FRC ~~Test~~ PreProduction Hub. The FRC Hub Operator will make available a 'Sandpit' environment for preliminary testing prior to formal certification on the Certification Responder;

- Two stages of formal testing will be conducted by the applicant. These stages are described as Window 1 (messaging capability) and Window 2 (transaction capability)~~. An applicant will need to have successfully completed Window 1 before commencing Window 2~~;

- The applicant ~~should notify the FRC Hub Operator of the time at which the applicant plans to undertake certification;~~ can commence certification at any time;

- Once the applicant has completed ~~either~~both of the Windows (where required), they must first check the certification has passed via the Certification Checker, and should note the start and end time of the certification run so transactions/messages can be analysed later; ~~it must notify the FRC Hub Operator of the time at which it started and stopped sending transactions for certification ; and~~

- The Participant should then request a final review by FBSAdmin via email to Support Hub; and

- The FRC Hub Operator will then analyse the results of the process and will issue a report to the applicant and to AEMO.

1.3.1.1 Certification Window 1 – Messaging (ebXML)

1.3.1.3.Certification Notification

When these procedures have been completed, the applicant will check the certification has passed by utilising the Certification Checker. The applicant will then advise the FRC Hub Operator, which will review the results of the certification process. When an applicant has been successful, the FRC Hub Operator will produce a report advising the applicant and AEMO of the results of the certification process.

4. Contact Information

Below are the contact details for AEMO for matters in relation to:

- Certification of FRC Transactions routed via the FRC
- Certification of FRC Transactions routed via the GRMS FTP Gateway
- Certification of FRC Transactions routed via AEMO GRMS Low Volume Interface

For South Australia and Western Australia

AEMO Contact

Gas Retail Market Operations

Email: supporthub@aemo.com.au

Ph: 1300 236 600

Hub Operator Contact

AEMO FBS Administration

Email: ~~FBSAdmin~~support.hub@aemo.com.au

Ph: 1300 236 600

ATTACHMENT C
Proposed changes: Specification Pack Usage Guidelines
~~Red strikeout~~ means delete and
blue underline means insert

2. Overview of the AEMO Specification Pack

The following table provides an overview of the AEMO Specification Pack. The documents are provided in a directory structure as follows:

Main Directory	Sub-Directory	Documents	Version
Specification Pack	1. Usage Guidelines	Specification Pack Usage Guidelines	6.~~3~~4
	2. Interface Control Document (ICD)	Interface Control Document	4.6
	3. B2B System Interface Definitions	FRC B2B System Interface Definitions	4.1
	4. Transport Layer	FRC B2M-B2B Hub System Specifications FRC B2M-B2B Hub System Architecture	3.8 3.5
	5. CSV File Format	FRC CSV Data Format Specification	3.3
	6. Connectivity and Technical Certification	Connectivity Testing and Technical Certification	3.~~5~~6
	7. Readiness Criteria	Readiness Criteria	2.2
	8. Service Order Specifications	B2B Service Order Specifications, Part 1 and Part 2,	2. 33.3
	9. aseXML Schemas	The complete set of aseXML schemas and examples which participants have subscribed to for SA / WA Gas is available from www.aemo.com.au/asexml	SA – R29 WA – R13

ATTACHMENT D – SUBMISSIONS RECEIVED FOR CHANGE

SUBMISSIONS RELATING TO THE IIR 10 JAN 2017 TO 8 FEB 2017 – ORIGINAL CONSULTATION PERIOD				
	DATE	PARTICIPANT	SUBMISSION	AEMO COMMENTS
1	31 Jan 2017	AGL	In relation to Gas FRC B2B Connectivity Testing and System Certification (VIC, QLD and NSW/ACT) changes Attachment B, Appendix E The web link provided in the guide draft points to a specific document If that document is changed then the link is unlikely to continue working Suggest that the reference be to the page the checklist is published on Amend link to page reference	In relation to Gas FRC B2B Connectivity Testing and System Certification (VIC, QLD and NSW/ACT) changes AEMO agrees with AGL's suggestion and has amended the clause as proposed.
2	31 Jan 2017	AGL	In relation to Connectivity Testing and Technical Certification (SA and WA) changes Attachment C, Clause 1.2 The web link provided in the guide draft points to a specific document If that document is changed then the link is unlikely to continue working Suggest that the reference be to the page the	In relation to Connectivity Testing and Technical Certification (SA and WA) changes AEMO agrees with AGL's suggestion and has amended the clause as proposed.

SUBMISSIONS RELATING TO THE IIR 10 JAN 2017 TO 8 FEB 2017 – ORIGINAL CONSULTATION PERIOD				
	DATE	PARTICIPANT	SUBMISSION	AEMO COMMENTS
			checklist is published on Amend link to page reference	