

PROPOSED PROCEDURE CHANGE (PPC) – SUMMARY SECTION
(For Proponent or AEMO to complete. Template focuses on solution identification)

Issue Number	IN034/16		
Impacted Jurisdiction(s)	All		
Proponent	Nandu Datar	Company	AEMO
Proponent e-mail	Nandu.datar@aemo.com.au	Proponent phone	03 9609 8851
Affected Gas Market(s) <ul style="list-style-type: none"> ▪ Retail ▪ Wholesale ▪ Bulletin Board ▪ STTM 	Retail	Date proposal sent to AEMO	2/11/2016
Short Title	Self Service initiative to FRC HUB Certification process.		
Other key contact information	grcf@aemo.com.au		

PROPOSED PROCEDURE CHANGE (PPC) – DETAILED REPORT SECTION

1. Description of change(s) and reasons for change(s)	During participant certification, constant handover between the participant and FBSAdmin is causing significant delays. This is causing delays in participants going live.
2. Reference documentation <ul style="list-style-type: none"> ▪ Procedure Reference ▪ GIP/Specification Pack Reference ▪ Other Reference 	FRC Hub Participant User Guide Connectivity Testing and Technical Certification (SA and WA) ¹ Gas FRC B2B Connectivity Testing and Sys Certification (VIC , QLD and NSW/ACT)
3. The high level details of the change to the existing Procedures This includes: <ul style="list-style-type: none"> ▪ A comparison of the existing operation of the Procedures to the proposed change to the operation of the Procedures. ▪ A marked up version of the Procedure change (see Attachment A). 	AEMO's certification responder was recently enhanced to support a self-service feature. The changes proposed in this Proposed Procedure Change (PPC) are documentation only changes. They are: <p>Amend FRC Hub Participant User Guide to:</p> <ul style="list-style-type: none"> • Include self-service certification feature in 'Responders', 'Certification' sections and Appendix A • Remove 'Disaster Recovery Provisions' diagram from Appendix C <p>Amend FRC B2B Connectivity Testing and System Certification (VIC and QLD and NSW/ACT) to:</p> <ul style="list-style-type: none"> • Include self-service certification feature in 'Preparation for Certification' • Modify certification process diagram and description. <p>Amend Connectivity Testing and Technical Certification (SA and WA) to:</p> <ul style="list-style-type: none"> • Include self-service certification feature in 'Certification Pre-requisites' • Modify certification process diagram and description
4. Consequences for making or not making the change(s)	If the current process is maintained, participants will continue to experience further delays whilst FBSAdmin manually checks the transactions.

¹ The Connectivity Testing and Technical Certification document forms part of the AEMO Specification Pack therefore a formal Procedure consultation is required for SA and the WA PCC will need to review and ERA approval is required.

<p>5. Explanation regarding the order of magnitude of the change(s) (eg: material, non-material or non-substantial)</p>	<p>A Gas Market Issue (GMI) on this proposal was issued to the Gas Retail Consultative Forum (GRCF) for discussion at the meeting held on 8 November 2016. Participants were invited to provide feedback on this proposal to AEMO by 21 November 2016. AEMO received responses from, AGL, Origin Energy, APA, Jemena and Multinet Gas. None of those responses opposed the changes. APA feedback proposed further changes. AEMO's assessment of APA's changes is that they add further clarity and the documentation has been updated accordingly.</p> <p>It is AEMO's view that the change proposed in this PPC is Non-substantial based on the feedback provided during the GMI consultation and the fact that it is only documentation changes.</p>
<p>6. Likely benefits for industry as a whole</p>	<p>Since the bottleneck on FBSAdmin is removed, this should result in a much quicker turnaround time for certification.</p>
<p>7. The likely implementation effect of the proposal on Industry in general and/or any identified parties (e.g. end-users)</p>	<p>Participants can now dynamically check the transactions for certification themselves and do not need to wait for FBSAdmin to verify the transactions for them. FBSAdmin will only verify the transactions at the end. Participant can still access FBSAdmin resources for technical support if required.</p>
<p>8. Testing requirements</p>	<p>None</p>
<p>9. Supporting Documentation (attach if necessary)</p>	<p>See attachment A, B and C</p>
<p>10. If applicable, a proposed effective date for the proposed changed Procedures to take effect and justification for that timeline.</p>	<p>Subject to all necessary approval's AEMO is targeting to implement this before 31 March 2017.</p> <p>To achieve this AEMO proposes the following timeline:</p> <p>Issue PPC 2 December 2016</p> <p>Submission on PPC close 23 December 2016</p> <p>Issue IIR (expedited consultation) on 9 January 2017</p> <p>Submission on IIR close 31 January 2017</p> <p>AEMO decision before 6 March 2017</p>

ATTACHMENT A

Proposed changes: FRC HUB PARTICIPANT USER GUIDE

~~Red~~ ~~strikeout~~ means delete and

blue underline means insert

2.6 Administration

The hubs are currently administered by AEMO. The name of the administration section is FBS Administration or FBSAdmin. To contact FBSAdmin call the AEMO support hub 1300 236 600 mentioning Gas B2B Hub, or e-mail

~~fbsadmin@aemo.com.au~~support.hub@aemo.com.au

3.4 Responders

The Responders are a part of the PreProduction Hub infrastructure and are available for participant use. The functionality available to users is:

- aseXML validation – submit an aseXML document and have it validated against the aseXML schema.
- aseXML message sending – submit an aseXML document and have it wrapped in ebXML and sent to the defined recipient's PreProduction gateway.
- Certification – a number of screens to guide a participant through the certification process.
- Certification Checker – review the current status of a certification run.
- System notifications (see section 4.3).
- View transaction details – search and view transactions that have been submitted to and from a recipients gateway.
- Resubmit transactions – resubmit a transaction from the Hub to a recipients gateway.
- Partner Profiles – view external id's and contact details of participants.

3.6 Certification




















Currently, all Market Operators require that participants pass certification before they are allowed access to the Production Hub. Each Market Operator has a Certification Process document that describes the necessary steps to be taken by participants in order to certify. Contact the relevant Market Operator to obtain a copy.

The certification process involves sending documents to, and receiving documents from, the Certification Responder (FBS). To support the process a browser based User Interface is available on the Responder. See Appendix A for instructions in the use of this interface.

Once certification is carried out, [the participant will review their certification status of all messages and transactions that are required to be certified via the Certification Checker. Once those transactions have passed,](#) FBSAdmin will [then do a final](#) review [of](#) the transactions and acknowledgements that have been sent by the participant. A report will be created and forwarded to the participant and the relevant Market Operator. The Market Operator will review the report in accordance with that market's requirements and, if satisfied with the results, will notify FBSAdmin and the participant of successful certification. Following successful certification FBSAdmin will create a profile on the Production Hub which, when activated, will enable the participant to send production transactions within the applicable market.

Appendix A FRC Hub Portal User Interface

The FRC Hub Portal user interface provides access to a number of functions. Below is a summary of the functions available across the Production and Preproduction environments:

Function	Production	Preproduction
View transaction details		
Send aseXML	 	
Validate aseXML	 	
Resubmit transactions		
Email notifications	 	
Perform certification		
Certification checker		
Partner profiles		

The Preproduction environment provides access to two responders – **FBS** and **FBSTEST**. The **FBS** responder is used for official certification and the **FBSTEST** responder is used as a sandpit environment and is a mirror of the certification environment. The sandpit is for participants to use when they wish to send messages through the FRC B2B System in a Preproduction environment. Participants can practise the certification processes in the sandpit before requesting formal certification via the certification responder.

Refer to Section 2.4 for further details on environments.

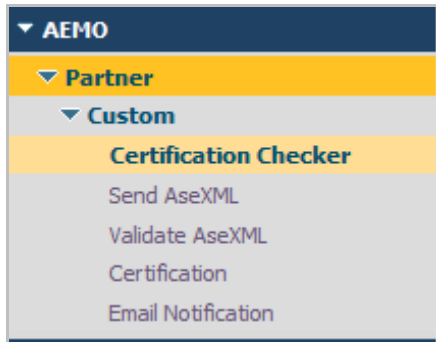
A.3 Certification Checker

The Certification Checker is a search screen that allows you to view details of certifications that you have participated in, either as a sender or receiver.

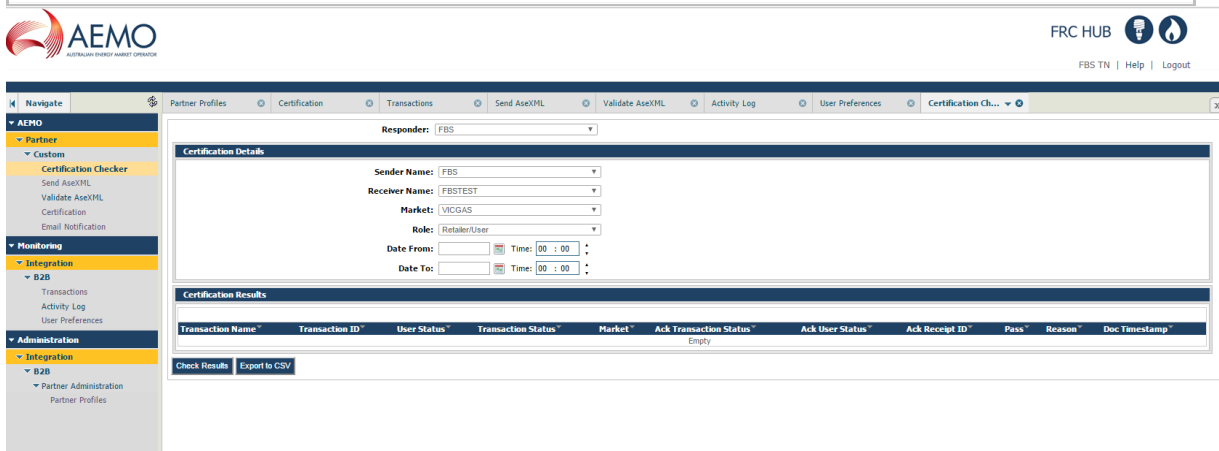
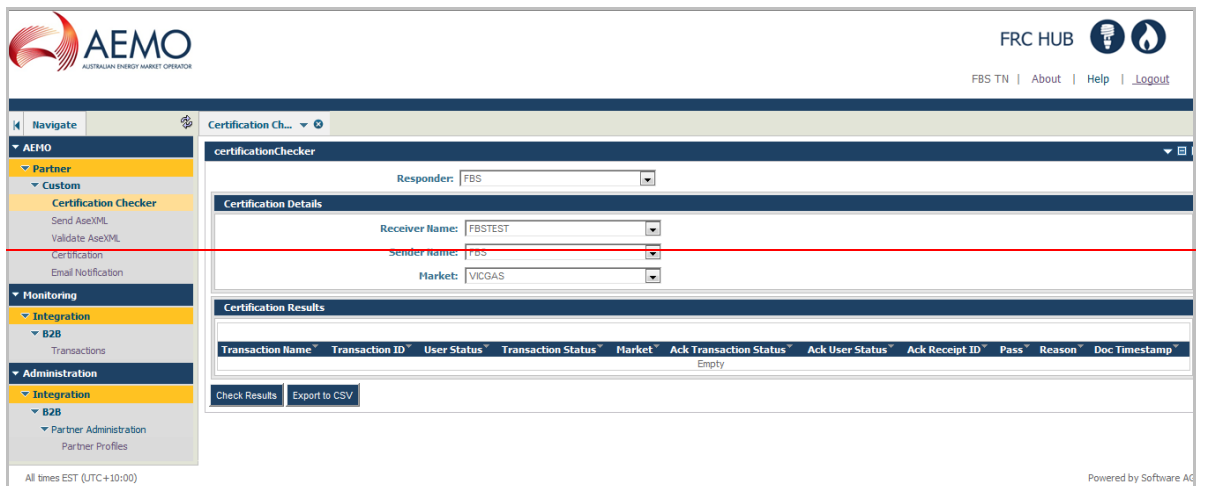
[The Certification Checker will give the status \(pass/fail\) of both Window 1 and Window 2 certification.](#)

To view details of completed certifications:

1. From the menu click **AEMO**, then **Partner**, then **Custom** and then **Certification Checker**.



2. The Certification Checker window displays.



3. Complete the search form fields:

- **Responder:** The responder used to perform the certification.
- **Receiver Name:** The participant receiving the certification transaction.
- **Sender Name:** The participant initiating the certification transaction.
- **Market:** The market used to perform the certification.
- **[Role:](#)** [The role of the participant in the market \(used to determine which transactions are required to be submitted/received\)](#)

- [Date From: The date where transactions/messages should be searched from](#)
 - [Date To: The date where transactions/messages should be searched to](#)
4. Click **Check Results**. The corresponding certification records appear in the **Certification Results** table. The following information displays:
- **Transaction Name:** The name of transaction/[message](#) that was submitted in the certification.
 - **Transaction ID:** The ID that was returned in the Ack response.
 - **User Status:** The status of the aseXML transaction.
 - **Transaction Status:** The status of the submitted certification transaction.
 - **Market:** The market used to perform the certification.
 - **Ack Transaction Status:** [The status of the returned ack \(Accept/Reject\)](#)
 - **Ack User Status:** [If rejected the reason for the rejection](#)
 - **Ack Receipt ID:** [The receiptID of the received ack](#)
 - **Pass:** Indicates whether the certification passed or failed.
 - **Reason:** Reason for a failed certification. 'Pass' is displayed for certifications that have passed.
 - **Doc Timestamp:** [The time the transaction was sent](#)

certificationChecker

Responder: FBS

Certification Details

Receiver Name: FBSTEST
 Sender Name: FBS
 Market: WAGAS

Certification Results

Transaction Name	Transaction ID	User Status	Transaction Status	Market	Ack Transaction Status	Ack User Status	Ack Receipt ID	Pass	Reason	Doc Timestamp
NMSStandingDataUpdateNotification	FBS-5a390cc0-1e2c-460a-b5d4-ae2b004	aseXML sent: ack 1	Accept	WAGAS	Accept	aseXML ack:rec	5c72e5de-0bc9-4a3f-ba44-527197379c3e	✓	Pass	2015-01-19 18:47:06.277
CATSObjectionRequest	FBS-d142da29-3ca1-48d1-8e64-de5f468	aseXML sent: ack 1	Accept	WAGAS	Accept	aseXML ack:rec	645501ab-3b16-4e5b-82fd-edd9a48b0cf9	✓	Pass	2015-01-29 11:02:43.873
CATSObjectionWithdrawal	FBS-402b738c-55b-4712-e033-9b7029c	aseXML sent: ack 1	Accept	WAGAS	Accept	aseXML ack:rec	b920eeac-dff12-4b87-89be-765698be35af	✓	Pass	2015-01-29 11:02:43.92

Check Results Export to CSV

All times EST (UTC+10:00)

Transactions

Responder: FBS

Sender Name: FBS
 Receiver Name: FBSTEST
 Market: WAGAS
 Role: SUBMITTER

Date From: Time 00:00
 Date To: Time 00:00

Transaction Results

Transaction Name	Transaction ID	User Status	Transaction Status	Market	Ack Transaction Status	Ack User Status	Ack Receipt ID	Pass	Reason	Doc Timestamp
Signed Message	FBS-3202d5-546a-4b3a-8071-18703ba041	Send Message received	VC GAS	Accept	VC GAS	Admin/edp:rec	FBSTEST-0a6227e-10a-4402-3046-0f1	✓	Pass	2015-01-07
Signed Message	FBS-3202d5-546a-4b3a-8071-18703ba041	Send Message received	VC GAS	Accept	VC GAS	aseXML ack:rec	52070608-7e3e-4a3b-8071-18703ba041	✓	Pass	2015-01-07
aseXML with Multiple Trans	NLS7-3a07f82-888b-427f-02a-47456	aseXML sent: ack 1	VC GAS	Accept	VC GAS	aseXML ack:rec	874760a2-8a07-420f-419-19a202ba7905	✓	Pass	2015-01-12
aseXML with Multiple Trans	NLS7-8a45010-101-4602-af70-0a204	aseXML sent: ack 1	VC GAS	Accept	VC GAS	aseXML ack:rec	041810-1014-0403-8a0-2-39260301010	✓	Pass	2015-01-12
aseXML with Multiple Trans	NLS7-8a45010-101-4602-af70-0a204	aseXML sent: ack 1	VC GAS	Accept	VC GAS	aseXML ack:rec	aa8730c-4051-4231-8a0-2-39260301010	✓	Pass	2015-01-12
Duplicate aseXML Trans	DLP2-2a6076a-1381-4815-8f02-2a8a2	aseXML duplicate: ack 2	VC GAS	Accept	VC GAS	aseXML duplicate: ack 2	158a0294-8136-44ba-aaea-9e417074030a	✓	Pass	2015-01-12
ServiceResponse	FBS-0805a6-100f-4d0508e-a474111	aseXML sent: ack 1	VC GAS	Accept	VC GAS	aseXML ack:rec	1880727-02ae-776191-191-77619104010a	✓	Pass	2015-01-12
ServiceResponse	FBS-9270470-8021-4626040-78a064	aseXML sent: ack 1	VC GAS	Accept	VC GAS	aseXML ack:rec	3a88070-04e4-4111-8068-0404010a	✓	Pass	2015-01-12
MessageReceivedNotification	FBS-2445080-070a-437a-8f0a-030a7a	aseXML sent: ack 1	VC GAS	Accept	VC GAS	aseXML ack:rec	0370a0e-2fca-3a3a-171-96165d03701a	✓	Pass	2015-01-12
ServiceResponse	FBS-4a26a4a-407f-49ca-0224-04a0a	aseXML sent: ack 1	VC GAS	Accept	VC GAS	aseXML ack:rec	4114a89f111-4036-4714-1038a00372	✓	Pass	2015-01-12
ServiceResponse	FBS-7a70551-105-4658-8618-0164f	aseXML sent: ack 1	VC GAS	Accept	VC GAS	aseXML ack:rec	1880a477-9102-1101-a019-4681159363a	✓	Pass	2015-01-07
INDiscoveryResponse	FBS-0547a7a0-379a-403b-4039-377a4c	aseXML sent: ack 1	VC GAS	Accept	VC GAS	aseXML ack:rec	4114a89f111-4036-4714-1038a00372	✓	Pass	2015-01-29
INStandingDataUpdate	FBS-7076a0b-1722-4a4d-4022-702a2b	aseXML sent: ack 1	VC GAS	Accept	VC GAS	aseXML ack:rec	20311443070-4660-a04f-6a4a0707103	✓	Pass	2015-01-23
CATSObjectionRequest	FBS-4a80870-1661-4072-8166-091040	aseXML sent: ack 1	VC GAS	Accept	VC GAS	aseXML ack:rec	43097010-177-4a0-806-45020a01005a	✓	Pass	2015-01-29
CATSObjectionResponse	FBS-aef0813-a474-4072-8166-091040	aseXML sent: ack 1	VC GAS	Accept	VC GAS	aseXML ack:rec	78a0a27-c546-41a1-a011-4210a0b070a0	✓	Pass	2015-01-27
CATSTransaction	FBS-1108701-32a0-4037-1010-1403072	aseXML sent: ack 1	VC GAS	Accept	VC GAS	aseXML ack:rec	6a07011-c021-413a-80a0-117a3a3000f	✓	Pass	2015-01-21
CATSResponse	FBS-8a2447a-17ca-4464041-10a0308	aseXML sent: ack 1	VC GAS	Accept	VC GAS	aseXML ack:rec	1aa21360-2364-4760-020f-33319493010a	✓	Pass	2015-01-12
CATSRequest	FBS-4118701-32a0-4037-1010-1403072	aseXML sent: ack 1	VC GAS	Accept	VC GAS	aseXML ack:rec	6a07011-c021-413a-80a0-117a3a3000f	✓	Pass	2015-01-12
Reliable Messaging		Subject: [unclear] reliable messaging attempt expected 1.gpt 0	VC GAS	Failed	Reliable messaging attempt expected 1.gpt 0			✗	Transaction missing	
ServiceResponse								✗	Transaction missing	
NMSStandingDataResponse								✗	Transaction missing	
AccountDetailsResponse								✗	Transaction missing	
CSVAdminDetailsResponse								✗	Transaction missing	
CSVAdminDetailsResponse								✗	Transaction missing	
CSVAdminDetailsResponse								✗	Transaction missing	
CSVAdminDetailsResponse								✗	Transaction missing	
CSVAdminDetailsResponse								✗	Transaction missing	
CSVAdminDetailsResponse								✗	Transaction missing	
CSVAdminDetailsResponse								✗	Transaction missing	
CSVAdminDetailsResponse								✗	Transaction missing	

Check Results Export to CSV

1 - 30 of 30

5. Click **Export to CSV** if you wish to obtain an export of the search results in CSV format.

A.6 View transaction details

The **View transaction details** window allows participants to search and view transactions that have been submitted to, sent and received by a recipients gateway, and is available on both the Production and PreProduction FRC hubs.

To search for a transaction:

- From the menu click **Monitoring**, then **Integration**, then **B2B** and then **Transactions**.

Monitoring

- Integration**
- B2B**
- Transactions**

2. The Transactions window displays.

3. Select the correct **TN Server** from the drop-down box at the top of the window. This field is used to filter the transactions based on a server. If **FBS** is selected, all transactions in which the FBS responder is the sender or receiver displays. Likewise for **HUB** and **FBSTEST**.



Note

To view transactions older than 35 days but less than 1 year, Select **ARCHIVE** server from the **TN Server** drop down.

4. In the **Datasource** section, select the correct **Data Source** from the drop-down box.



Note

To view transactions older than 35 days but less than 1 year, Select **Archived Data** from the data source drop down.

- 5.4. In the **Search** section, enter desired search criteria and click **Search**.



Note

To save your search criteria for future searches, click **Save**. You will be prompted to provide a name and description. The search will be saved in the **Saved** tab of the **Search** section.

6.5. The search results display in the **Transactions** section. The following information displays:

- **Date Received:**
- **Document Type:**
- **Sender:**
- **Receiver:**
- **Processing Status:**
- **User Status:** The Status of all messages received by the gateway should be 'SendMessage:sent'. This indicates that the hub believes that the message was delivered successfully to the gateway. If the hub encountered an error attempting to send to the gateway the Status will be 'SendMessage:err'. If you need to obtain further details regarding the specific error contact FBSAdmin. The Status of all messages sent to the hub by the gateway should be 'MessageRouting'. If the hub encountered an error while processing the message (i.e. recipient not recognised, digital signature invalid, etc.) the Status will be 'RouteMessage:err'. However, errors encountered while delivering the message to the intended recipient do not get reported on this screen. If you need to determine this information you need to view the Activity Log entries by following the directions below.
- **Document ID:** The ebXML message ID.
- **Conversation ID:** The ebXML conversation ID plus a number generated internally by WebMethods. A Conversation ID is only recorded against messages that have been sent 'From' the participant. It is not recorded against the messages sent 'To' the participant.
- **Related Documents:**
- **Details:**
- **Action:**

Date Received	Document Type	Sender	Receiver	Processing Status	User Status	Document ID	Conversation ID	Related Documents	DetailsAction
10/02/2015 15:49:32	ebXML Routing	VENCorp	RELAY (RELAY)	DONE	SendMessage:err	VENCORP 25f58b8e-0864-4a59-85f6-43404ef4751c	VENCORP ENVESTRA VENCORP 25f58b8e-0864-4a59-85f6-43404ef4751c		
10/02/2015 15:48:33	ebXML Routing	VENCorp	RELAY (RELAY)	DONE	SendMessage:err	VENCORP 2f5d9ab3-f42d-4ba9-a3ae-3e11c4e5911d	VENCORP ENVESTRA VENCORP 2f5d9ab3-f42d-4ba9-a3ae-3e11c4e5911d		
10/02/2015 15:47:34	ebXML Routing	VENCorp	RELAY (RELAY)	DONE	SendMessage:err	VENCORP eb196ff7-0a8f-40b6-b0a7-3278128ca0ba	VENCORP ENVESTRA VENCORP eb196ff7-0a8f-40b6-b0a7-3278128ca0ba		
10/02/2015 15:46:33	ebXML Payload	RELAY (RELAY)	ENVESTRA (VIC)	DONE	SendMessage:err	VENCORP c0211618-5d42-4c74-833c-b8cdd8cde31	VENCORP ENVESTRA VENCORP c0211618-5d42-4c74-833c-b8cdd8cde31		
10/02/2015 15:46:33	aseXML Transaction	VENCorp	ENVESTRA (VIC)	DONE	aseXML Transaction	VENCORP-MSG-d26817357f4e49f8a164c621			
10/02/2015 15:46:33	ebXML Routing	VENCorp	RELAY (RELAY)	DONE	MessageRouting:proc	VENCORP c0211618-5d42-4c74-833c-b8cdd8cde31	VENCORP ENVESTRA VENCORP c0211618-5d42-4c74-833c-b8cdd8cde31		
10/02/2015 15:46:33	ebXML Routing	VENCorp	RELAY (RELAY)	DONE	SendMessage:sent	VENCORP c0211618-5d42-4c74-833c-b8cdd8cde31	VENCORP ENVESTRA VENCORP c0211618-5d42-4c74-833c-b8cdd8cde31		




Note

Participants are only permitted to view documents as they transit between the participant gateway and the hub. Therefore the ‘Sender’ is always either the participant or the hub, as is the ‘Receiver’. Because of this, if a ‘Sender’ is input the results will only display Sent messages, regardless of the Sender that is input. If a ‘Receiver’ is input the results will only display Received messages.

7.6. To view details of a transaction, click either the magnifying glass icon  in the **Details** field, or the date link in the **Date Received** field.

8.7. The transaction details display in the **Transaction Details** section. The **Activity Log** tab is displayed by default. You may also view the transaction **Attributes**, **Tasks**, **Content** and **Comments** by clicking the relevant tabs.

Type	Timestamp	Brief Message	Class	User Name	Partner ID	Details
	11/02/2015 12:50:00	Processing complete	General	relay		
	11/02/2015 12:50:00	Status changed.	General	relay		
	11/02/2015 12:50:00	Status changed.	General	relay		
	11/02/2015 12:50:00	Routing rule ebXML Send Message selected	Processing	relay		
	11/02/2015 12:50:00	Document persisted.	General	relay	FBS - (Certify Responder)	

The **Type** column indicates the type of log entry when you hover over the  icon. If this is ‘Message’ the message was delivered successfully. If it is ‘Error’ the hub encountered an error while attempting to deliver the message. Not all messages have an Activity Log entry. Messages received by the gateway that were successful do not have an entry. Messages sent from the gateway that were delivered successfully have an Activity Log entry of type ‘Message’. Messages both to and from the gateway that encountered an error will have an Activity Log entry of type ‘Error’.

9.8. To view the transaction content, click on **Content** tab. The transaction content items display.


Transaction Details

Date Received: 11/02/2015 11:17:27 Sender: RELAY (144) Receiver: FRS (Certify Response)

Activity Log Attributes Tasks Content Comments

Save to Disk Export Table

Name	Size In Bytes	Type	Storage Type	Storage Reference	DETAILS
ibxml	7559	multipart/related			
Header	179	text/plain			
Envelope	5398	text/xml; charset="UTF-8"			
<caseXML>	1649	application/xml			

10.9. Click on the magnifying glass icon  in the **DETAILS** column for the item you wish to view. The content displays in a text editor window below.

Name	Size In Bytes	Type	Storage Type	Storage Reference	DETAILS
ibxml	7559	multipart/related			
Header	179	text/plain			
Envelope	5398	text/xml; charset="UTF-8"			
<caseXML>	1649	application/xml			

Edit for Resubmit

```
Content-Length:7380
SOAPAction:"ebXML"
Content-Type:multipart/related; type="text/xml"; boundary="-----_Part_13078_1595160176.1423617444200"; charset="UTF-8"; start="<soappart>"

-----_Part_13078_1595160176.1423617444200
Content-Type: text/xml; charset="UTF-8"
Content-Id: <soappart>
Content-Transfer-Encoding: binary

<?xml version="1.0" encoding="UTF-8"?><SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:ds="http://www.w3.org/2000/09/xmldsig#"

```

Appendix C Disaster Recovery Provisions

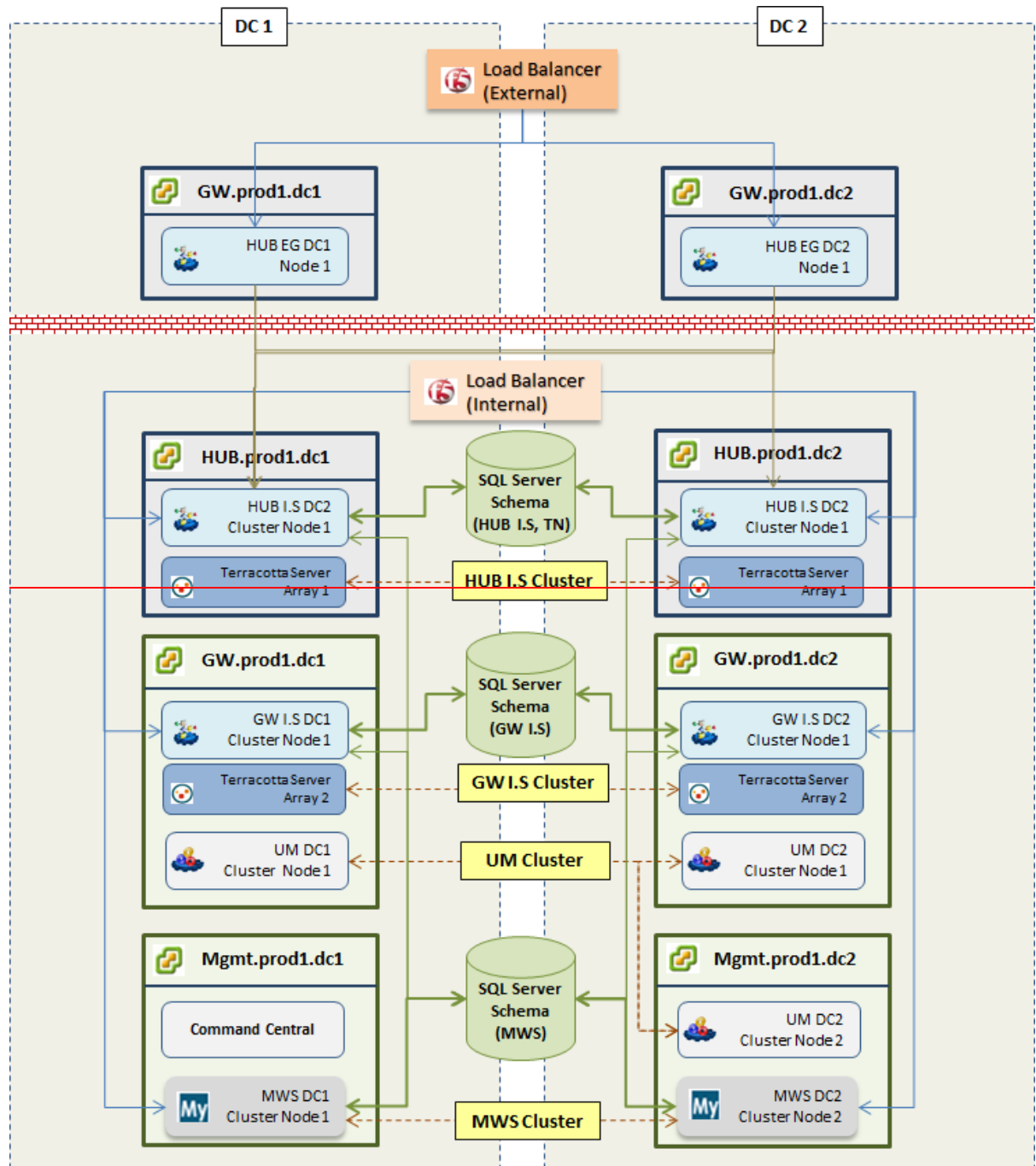


FIGURE 4 NETWORK TOPOLOGY SHOWING DR PROVISIONS

ATTACHMENT B

Proposed changes: GAS FRC B2B CONNECTIVITY TESTING AND SYSTEM CERTIFICATION (VIC, QLD and NSW/ACT)

~~Red strikeout~~ means delete and
blue underline means insert

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:

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

E-mail: ~~FBSAdmin~~support.hub@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:

- 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
- Applicants obtain an FRC Gas Hub Participant User Guide and Registration Form from AEMO website or FBSA by e-mail
- Prior to registering Participants should discuss with AEMO Retail Market Operation (RMO) team and confirm details via e-mail;
- Participants should discuss requirements with FBS Administrator and then register their intention to undertake certification by e-mail;
- Applicants connect their Test Gateway to the FRC Test Hub by following the instructions in the FRC Gas Hub Participant User Guide.
- 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.
- 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.
- 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.
- Once completed, the applicant will then use the Certification Checker to ensure their transactions and messages have passed certification.

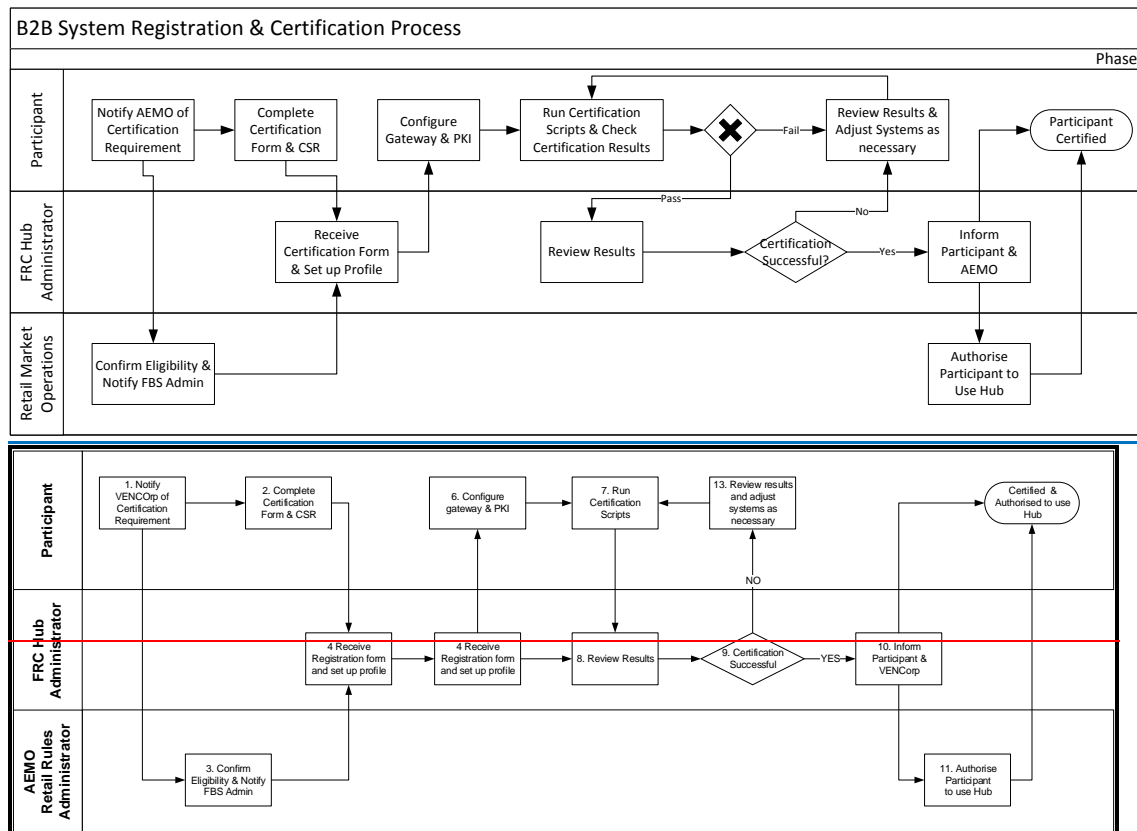
3.1 Certification Window 1 – Messaging ([ebXML](#))

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. The participant will not notify FBSA until all required transactions/messages have passed certification](#)

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:

[http://www.aemo.com.au/Gas/-](http://www.aemo.com.au/Gas/-/media/F51E518A3AE146B89A529CA68822FFAC.ashx)

[/media/F51E518A3AE146B89A529CA68822FFAC.ashx](http://www.aemo.com.au/AEMO%20Home/Gas/Resources/Information%20Systems/-/media/Files/Other/retailgas/0700_0040%20doc.ashx)http://www.aemo.com.au/AEMO%20Home/Gas/Resources/Information%20Systems/-/media/Files/Other/retailgas/0700_0040%20doc.ashx

ATTACHMENT C

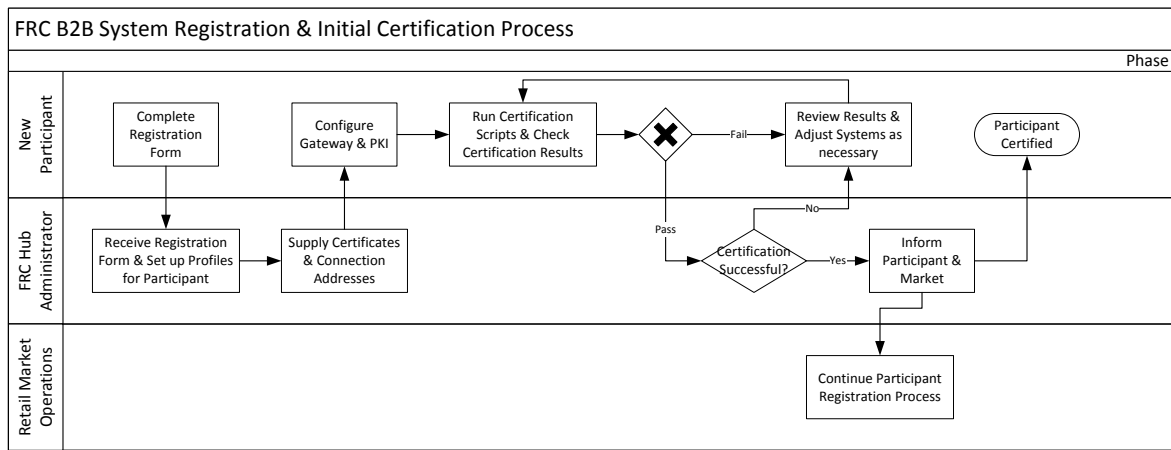
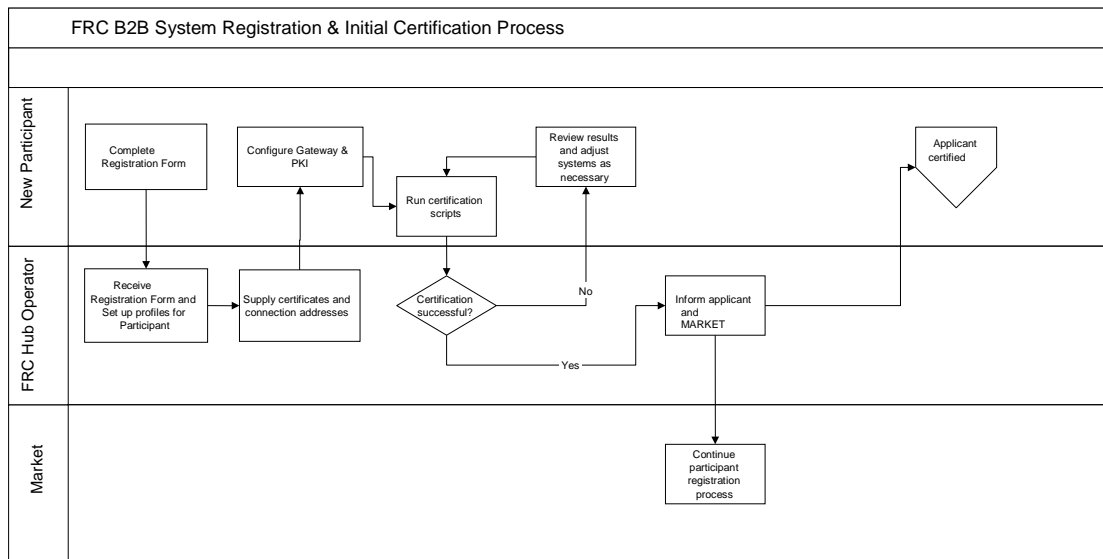
Proposed changes: CONNECTIVITY TESTING AND TECHNICAL CERTIFICATION (SA and WA)

Red ~~strikeout~~ means delete and
blue underline 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 on the AEMO website at <http://www.aemo.com.au/-/media/Files/PDF/FRC-Hub-Participant-User-Guide.ashx> ~~www.aemo.com.au/retailops/0700-0039.pdf~~

1.3 Certification Processes



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 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: suppothub@aemo.com.au

Ph: 1300 236 600

Hub Operator Contact

AEMO FBS Administration

Email: FBSAdminsupport.hub@aemo.com.au

Ph: 1300 236 600