

## FRC GAS HUB LOW VOLUME INTERFACE USER GUIDE

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#### 1.1 Audience

The document is targeted at actual and potential low volume interface users of the FRC Hub web portal.

Acronyms

#### 1.1.1 Acronyms

ACRONYM	DESCRIPTION
aseXML	A Standard for Energy Transactions in XML. XML schema designed to accommodate the necessary transactions required to operate the energy markets
B2B	Business to Business. Interactions between two or more independent business participants.
B2M	Business to Market.
ebXML	Electronic Business XML. Protocol designed to facilitate B2B interactions.
FRC	Full Retail Contestability
LVI	Low Volume Interface
SCU	Self-Contracting user
Market Operator	The entity that manages the operations of a specific gas market.
AEMO	Australian Energy Market Operator Ltd
URL	Universal Resource Locator
NSW	New South Wales gas Market
ACT	Australian Capital Territory

### 2. Overview

One of the principles that AEMO has worked towards and continues to strive for is minimising barrier to entry costs for SCUs. One of those cost saving initiatives is relief from any obligation to connect to the FRC HUB due to the significantly low volume of SCU gas retail market interaction.

The low-volume interface provides participants who have a very low volume of gas market interaction with an alternative mechanism for sending B2M and B2B transactions. By using this interface, these low-volume participants avoid the costs associated with the implementation of an ebXML gateway

#### 2.1 Purpose

The purpose of this document is to guide potential users on the functionality and features of the low volume interface available on the 'FRC Hub Portal'. For further guidance on the FRC Hub Portal itself please refer to the FRC HUB Portal User guide. This is available on the AEMO website.

## 3. Administration & Support

#### 3.1 Administration

The LVI interface is administered by AEMO. The name of the administration team 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

This is a technical administration only (i.e. connectivity, passwords etc..)

#### 3.2 Support

The hub infrastructure including LVI functionality are supported 24x7. Level 1 support is currently supplied by the AEMO Support Hub. All technical issues relating to LVI should be directed to this Support Hub in the first instance. They will determine who can handle the problem.

FBSAdmin have staff on-call 24x7 should the need to escalate arise.

The **AEMO Support Hub** is the first point of contact for all LVI administrative, functional and application issues and questions.

AEMO Support Hub Contact Details:

Tel: 1300 236 600

Email: <u>Support.Hub@aemo.com.au</u>

### 4. Functional Guide

The LVI interface has been built upon the existing FRC Hub Portal to provide low volume participants a mechanism to create, send and acknowledge B2B & B2M aseXML transactions via ebXML. Below is a summary of the key functions of the LVI followed by a step by step user guide.

#### **Summary of main Functions**

**AseXML Generation** – This automatically creates aseXML transactions via user friendly templates



Currently supplied templates are CATSChangeRequest and MeterDataMissingNotification transactions for the NSW ACT market.

and at a click of a button automatically wrap these aseXML transactions in ebXML and send them via the FRC Hub to the desired recipient.

**Acknowledge Transactions** - Allows LVI users to either positively or negatively acknowledge transactions via the user friendly interface.

**AseXML Submission** – Allows LVI users to paste in pre-formed aseXML transactions, which the LVI will wrap in ebXML and send via the FRC Hub to the desired recipient.

**View Transaction Details** - Allows LVI users to search and view transactions that have been sent and received by the LVI user.

The LVI supports the sending and receiving of the following data for Self contracting users.

		Transaction types	
Sent	Customer Transfer	Meter Data Missing notifications	Ad hoc
Sent			aseXML
Received	Network Billing reports	Meter read data	

The below sections (4.1,4.2,4.3,4.4,4.5,4.6,) describe and provide step by step instructions on all the main functionalities of the LVI, along with some helpful tips and tricks.

#### 4.1 Login

1. Using a web browser, navigate to the appropriate URL:

Service	Internet Entry URL
Production Portal	https://hubportal.aemo.com.au:443/
Pre-Production Portal	https://preprodhubportal.aemo.com.au:443/

2. The **FRC Hub Portal Login** interface displays. Enter your **Participant ID** and **Password** (provided by FBS Admin when your organisation registered for the FRC B2B System) and click **Log In**.

FRC HUB Portal	
1	
Q==	
Log In	
powered by SoftwareAG	

3. The login credentials are validated, and if successful, the main interface displays.



#### 4.2 AseXML Generation

The **AseXML Generation** window allows an LVI user to automatically create and send aseXML transactions via a user friendly interface. The below section of the guide documents this process step by step

1. From the menu select **Partner**, then **Low Volume Interface** and then **AseXML Generation.** 

▼ AEMO
▼ Partner
▼ Custom
Certification
Send AseXML
Validate AseXML
Email Notification
Certification Results
Low Volume Interface
Transaction Acknowledger
AseXML submission
AseXML Generation

2. The **AseXML Generation** window displays. This window provides the option via drop down menus to select the appropriate market and the transaction type to be generated.

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* AEMO	AsZmiKeseratortione T 🖬 🗃
Partner     Caston     Contrication     Send Anoth     Validate Anoth     Validate Anoth     Validate Anoth     Validate Anoth     Contrication Results      Contrication Results     Contrication Results     Contribution     Anoth     Ano	Hardet INDUACTORS V Transaction Type Christohagafagana V Canad
Note	Currently CATSChangeRequest and MeterDataMissingNotification for the NSW ACT market are available.

3. Select the transaction type to be sent; **CATSChangeRequest** or **MeterDataMissingNotification** and then select **Next**.

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H Navigate 🛸	Asc09L Genera ¥ 0	8
Alto     Plantar     Carton     Carton     Gran Autoli     Sana Autoli     Dani Italifazio     Cartifactori     Cartifactori     Cartifactori     Cartifactori     Cartifactori     Cartifactori     Autoli      Plantarian     Plantarian	Accold/correlations	

4. Complete the fields on the form displayed based on the transaction type:

#### CATSChangeRequest Form

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▼ AEMO	Header
▼ Partner	To *;
✓ Custom Certification	Message Ide
Send AseXML	
Validate AseXML	Fransaction
Email Notification	Transaction Id *:
Certification Results	HIRN *2
<ul> <li>Low Volume Interface</li> </ul>	
Transaction Acknowledger	Proposed uate "1
AseXML submission	Change Reason Code *: 0001 V
AseXMI Generation	

- **To**: The company ID of the receiver of the transaction. This is a mandatory field
- **Message ID**: Is the identifier for the aseXML message.
- Transaction ID: Is the identifier for the transaction. This is a mandatory field.
- MIRN: This is a mandatory field
- **Proposed Date**: This is a mandatory field **Change reason code**: Participant Build Pack 5 NSW ACT Appendix D specifies the change reason codes used for NSW/ACT. This is a mandatory field.



If a mandatory field is not populated a message will be displayed and the user prompted to correct it.

#### MeterDataMissingNotification Form

		FRC HUB
K Navigate S	AseXHL General V Transactions 0 Certification 0 Transaction Adronul 0 Activity Log 0 AveXML submission 0 Send AveXML 0	»
Partner     Custom     Certification	Tester	
Send ASEMIL Validate AseXML Email Notification Certification Results	Transaction Transaction M:	
Low Volume Interface Transaction Admowledger AseXML submission  AseXML Separation	Nette	
* Monitoring		
Integration     B28     Transactions	" all helds must be completed.	Generate Cancel

- To: The company ID of the receiver of the transaction. This is a mandatory field.
- Message ID: Is the identifier for the aseXML message.
- Transaction ID: Is the identifier for the transaction. This is a mandatory field.
- NMI: National Metering Identifier. This is a mandatory field.
- Last Read Date: This is a mandatory field.



If a mandatory field is not populated a message will be displayed and the user prompted to correct it.

Warning

5. Select Generate.

6. The **aseXML Submission** screen now displays, giving you the opportunity to view and review the aseXML generated and to be sent.





This screen is editable. Any incorrect manual changes to the XML at this stage could make the transaction schema invalid & therefore unable to be sent.

7. Once you have reviewed the aseXML select **Submit** to send the transaction.



Once the transaction is submitted, if it's unable to be sent successfully or, if an eb acknowledgment is not received within 1 hour the system will automatically retry a further 2 times (Thrice in total, each 1 hour apart.) You can check the status of the transaction in the 'View transaction details' screen section 4.4.1

#### 4.3 AseXML Submission

The AseXML window allows the user to paste in an already formed aseXML message into the user interface, check its schema valid and send. The below section of the guide documents this process step by step;

1. From the menu select **Partner**, then **Low Volume Interface** and then **AseXML submission** and you will see the screen below.

		FRC HUB
ALETRALIAN ENERGY MARKET OPENIOR		LVIA TN   Help   Logout
🖌 Navigate 🏾 🍣	Send AceXML 0 AseXML submis • 0	
* AEMO	AseX/11.Submitter	
▼ Partner		
▼ Custom	AseXML Submission	
Certification	Clack here for Schema Versions	
Send AseXML	Please Enter your aseXML below:	
Validate AseXML		
Email Notification	· · · · · · · · · · · · · · · · · · ·	
Certification Results		
Transaction Acknowledger		
AseXML submission		
AseXML Generation		
▼ Monitoring		
Integration		
¥ 828		
Transactions		
Activity Log		
▼ Administration		
<ul> <li>Integration</li> </ul>		
▼ 828		
▼ Partner Administration		
Partner Profiles	Clear Submt	

- 2. You can now enter your aseXML into the body of the screen.
- Select Submit to send the transaction. The transaction is validated against the schema and if it's successful you will get an 'aseXML submitted successfully' message (see screen below.)

		FRC HUB
H Navigate	Send AseXML O Transaction Admont O Transactions O AseXML submis V O	
Arbo     Aparam     Carefraine     Gardinate     Gardinate     Gardinate     Gardinate     Gardinate     Gardinate     Gardinate     Gardinate     Cardinate     Cardinate     Gardinate     Cardinate     Card	aux084, submitted successfully: 549440_966_20150318992851376-3022	
Contegration     E26     Tartactions     Activity (og     Administration     Entegration     Entegration     Patient Administration     Partner Profiles		

4. If the aseXML that is submitted is not aseXML schema valid the screen will return an error, as in the example below. There will also be a short description on the cause of the error.

		FRC HUB 🕢 🕼
🖌 Navigate 🏾 🌮	Asc2011.submis_ 🔻 🛈	
▼ AEMO	AsoX4@Submitter	
Castor     Castor     Castor     Castor     Castor     Castor     Sord Accol     Castor     Sord Accol     Castor     Castor	Failed:       asolical schema validation failed. Path: /asolic/ Error Message: [III: 0002.937] Element [ase:asolic])         CAthera for Schema human       cannot have characters (-), because the type's content type is element-only         Cathera for Schema human       Cathera for Schema human         Cathera for Schema human       Read-Tati Yung (-), because the type's content type is element-only         Cathera for Schema human       Read-Tati Yung (-), because the type's content type is element-only         Cathera for Schema human       Read-Tati Yung (-), because the type's content type is element-only         Cathera for Schema human       Read-Tati Yung (-), because the type's content type is element-only         Cathera for Schema human       Read-Tati Yung (-), because the type's content type is element-only         Cathera for Schema human       Read-Tati Yung (-), because the type's content type is element-only         Their sensembles and type (-) is contended on type) (-), because the type's contended on type) (-), because the type (-), because the type) (-), because type) (-), because the typ	

5. In the above example there is a "-" character in an incorrect location and therefore the transaction is not schema valid.



To Amend and Resend. Highlight the aseXML message in the **aseXML Submissions** section of the screen and take a copy of it, then select 'back' in the internet browser and you will be taken back to the screen in step 2,where you can paste the copied aseXML and make the necessary amendments and resend. Clicking 'back' will not repopulate the submission field automatically.

#### 4.4 View Transaction Details

The **View transaction details** window allows LVI users to search and view transactions that have been submitted, sent and received by the LVI user.

#### To search for a transaction:

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

▼ Monitoring	
Integration	
▼ B2B	
Transactions	

#### 2. The Transactions window displays.

		FRC HUB 😨 🔊
Navigate       * AEHO       • Patner       * Catsfrom       Certification	Transactions	Til Server: 💵 💌
Send AseXML Validate AseXML Email Notification Certification Results Certification Results Acknowledge Transactions AseXML Generation	Search Basic Advanced Several Options OverVindds OverVi	-85
AseXML Submission   Honitoring  Characterian  Base Transactions Activity Log	Control A Fields         V         OC         Yand           Date Kange         A1         V         Sart Date:	
Administration  Administration  B28  Partner Administration Partner Profiles	Transactions Propression Provident P	Search Condition: AND V Search Serv Clay
	Ready to Search	Tayof Yake

- 3. Select the default value LVI from the TN Server drop-down box at the top of the window.
- 4. In the **Datasource** section, select the default value '**Production data**'.
- 5. In the **Search** section, enter desired search criteria and click **Search**.



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.

 The search results display in the Transactions section and the following information displays: Date Received, Document Type, Sender, Receiver, Processing Status, User Status, Document ID,Group ID, related documents, Details. A brief description of each of these fields is provided in appendix 6.1.

Below is an example of how a sent transaction would look in this screen & an end to end example of how a received transaction would look.

#### Sent transaction example

Below is an example of how a sent message would look in the **Transactions** screen; **Monitoring**, **Integration**, **Transactions**. In total for every 1 aseXML payload that is sent out you should see 6 lines in the view transactions screen. Each with different User Statuses.

	🍕 Date Received 🔻	Document Type <sup>*</sup>	Sender*	Receiver	Processing Status	User Status <sup>™</sup>	Document ID <sup>▼</sup>	Group ID*	Related Document	ts <sup>Details</sup>
6	7/09/2015 10:15:40	ebXML Routing	LVIA	RELAY - (Hub)	DONE	SendMessage:sent	LVIA 80003ee2-034b-49a9-a79f-86a91b	FBS LVIA FBS ac28c840-a844-4aa6-8ed5-643763f25d82	2	P
5	7/09/2015 10:15:40	aseXML Ack r34	FBS - (Certify Responder)	LVIA	DONE	aseXML ack:rec	FBS-d0b13586-b7f0-405e-a736-73bb8f1		2	P
4	7/09/2015 10:15:40	ebXML Payload	RELAY - (Hub)	LVIA	DONE	Payload:proc	FBS ac28c840-a844-4aa6-8ed5-643763f25d82	FBS LVIA FBS ac28c840-a844-4aa6-8ed5-643763f25d82	2	P
3	7/09/2015 10:15:39	ebXML Default	RELAY - (Hub)	LVIA	DONE	Advnowledgment	FBS c9c7cae9-7610-4e52-96fd-77cb548	LVIA FBS TEST JK	2	P
2	7/09/2015 10:15:36	ebXML Routing	LVIA	RELAY - (Hub)	DONE	SendMessage:received	LVIA eb34071f-ee4d-48ff-b5a2-071908	LVIA FBS TEST JK	2	P
1	7/09/2015 10:15:36	aseXML Trans r34	LVIA	FBS - (Certify Responder)	DONE	aseXML sent: ack	TEST JK		5	P
	« Previous   1   Next »									

- aseXML sent: ack This indicates that an aseXML transaction has been created and sent to be wrapped in ebXML. This is the output of the AseXML Generation (4.2) process.
- 2. **SendMessage: received-** Indicates that this aseXML payload has been wrapped in ebXML and sent to the recipient.
- 3. **Acknowledgement-** This line indicates an eb acknowledgement for the message sent in step 2 has been received.
- Payload:proc This line indicates an aseXML payload has been received and unpacked.
- 5. **aseXML ack:rec** This line indicates the aseXML in step 4 is an aseXML acknowledgment and that it is valid.
- SendMessage:sent Finally line 6 indicates an ebXML acknowledgment (acknowledging the successful reciept of the aseXML ack (step 5)) has been automatically created & sent back.

#### **Received transaction example**

Below is an example of how a recieved message would look in the **Transactions** screen; **Monitoring**, **Integration**, **Transactions**.

🍕 Date Received 🔻	Document Type <sup>▼</sup>	Sender <sup>*</sup>	Receiver▼	Processing Status <sup>▼</sup>	User Status <sup>▼</sup>
7/09/2015 12:14:36	ebXML Routing	LVIA	<u>RELAY - (Hub)</u>	DONE	SendMessage:sent
7/09/2015 12:14:36	aseXML Trans r34	FBS - (Certify Responder)	LVIA	DONE W/ ERRORS	aseXML trans: rec
7/09/2015 12:14:35	ebXML Payload	RELAY - (Hub)	LVIA	DONE	Payload:proc
					«Previous   1

- 1. **Payload:proc** This line indicates an aseXML payload has been received and unpacked
- aseXML trans:rec Is the unpacked aseXML payload from line 1. The aseXML has been scema validated. At this point the LVI user will aso receive an email notifying them that a new transaction has been received.
- 3. Send Message:sent- This line indicates that an eb message has been sent. In this case its an eb acknowledgement which is automatically sent back to the sender after the LVI has successfully receives the message.
- 4. At this point we can surmise that the LVI user has received a aseXML payload that has been unwrapped from a EB XML message and is schema valid. The next step would be for the LVI user to view the aseXML payload and then send either a postive or negative acknowledment back to the sender.
- 5. To do this select the P for the aseXML transation line.
- 6. Select the content tab then P, this will then display the aseXML payload in the box beneath. Review the payload and take a copy of the Transaction ID within it.

# Go to the Acknowledge Transactions screen. Partner, Low Volume Interface, Acknowledge Transactions screen.

Copy your transaction ID in the appropriate field and select search.

🖌 Navigate 🛸	Transactions 0 AexiML Generation 0 Acknowledge Tr + 0 AexiML submission 0 Certification Order 0 Certification	(
- AEMO	Search	
Partner     Low Volume Interface     AseXML Generation     AseXML Schmission	Query Field Transaction ID: [F85-4e37-664-4e30-4e30-e3e21e5]	
Acknowledge Transactions Custom Certification Checker Send Ase/04L	Date Range         Al         Image: Control of the second	
Validate AseXML Certification Email Notification		Search Clear
✓ Monitoring		_
Integration     B28     Transactions	Transaction ID         Hessage Date         Sender         Recolver           785 0e0286b5-7556-4228 4228-6230-83         07/09/2015 1214-027HV FR5         11VIA         ACX         MACK	
Activity Log     Administration	-Previous 1of 1	Next >

Finally select Ack to positively acknowledge the transaction or Nack to negatively acknowledge the transaction. Section 4.6 documents how to do this.

H Navigate 🖇	Transactions O AseXML General	ation 🗿 Acknowledge Tr 🕶 🛈 AseXML Submis	ssion O Certification Checker O Certification (	0		د						
▼ AEMO	Search											
Partner     Low Volume Interface	Query Field											
AseXML Generation		Yannaction ID: [#85-401/0b3-7565-4c30-420-c3021e3										
Acknowledge Transactions	Date Range All	<b>∨</b>										
Certification Checker	Start Date: 📃 😤 Time:	n 00 : 00										
Send AseXML	End Date: Time:	: 23 : 59										
Certification						Search Clear						
Email Notification	Transactions											
<ul> <li>Monitoring</li> <li>Integration</li> </ul>												
▼ 828	Transaction ID	Message Date Sender	Receiver									
Transactions	FBS-0e07dbb3-7556-4e28-823b-e2b23e3	07/09/2015 12:14:32 PM FBS	LVIA	ACK	NACK							
Activity Log	« Previous		1 of 1			Next »						
<ul> <li>Administration</li> </ul>												

If you search again on the view **Transactions** screen; **Monitoring**, **Integration**, **Transactions** you will see 3 new lines created.

Transactions									▼ 🗆 🖻
Reprocess Resubmit									
								Export Table	
🍕 Date Received 🕶	Document Type*	Sender*	Receiver	Processing Status*	User Status*	Document ID <sup>*</sup>	Group ID <sup>∞</sup>	Related Docume	nts <sup>Details</sup>
7/09/2015 16:35:12	ebXML Default	RELAY - (Hub)	LVIA	DONE	Acknowledgment	FBS ea781de5-7170-43e7-bc3e-a123508	LVIA FBS LVIA 83202d4e-1370-4fd0-9b53-1851	2	P
7/09/2015 16:35:09	ebXML Routing	LVIA	RELAY - (Hub)	DONE	SendMessage:received	LVIA 193a4230-6fc5-4d57-a0d4-b2c68d	LVIA FBS LVIA 83202d4e-1370-4fd0-9b53-1851	3	8
7/09/2015 16:35:09	aseXML Ack r34	LVIA	FBS - (Certify Responder)	DONE	aseXML sent	LVIA 83202d4e-1370-4fd0-9b53-1851		\$	P

**aseXML:sent** – This indicates that an aseXML transaction has been created and sent to be wrapped in ebXML. This is the generated acknowledgment (postive or negative) from above.

**SendMessage:received** - This line indicates that an eb message has been sent. In this case its the aseXML acknowledgment (postive or negative) wrapped in ebXML

Acknowledgment – This indicates that this ebXML has been acknowledged by the recipient.

- 7. To view details of a transaction, click either the magnifying glass icon P in the **Details** field, or the date link in the **Date Received** field.
- 8. 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.

Tran	ransaction Details 🔻 🗖 🛛										
Date	Date Received:         11/02/2015         Sender:         FBS - (Certify Responder)         Receiver:         RELAY - (Hub)										
Ac	tivity Log	Attributes	Tasks	Content	Comments						
Dele	ie										
											Export Table
4	Туре⊤	Timestamp 🔻		Brief	Message			Class <sup>™</sup>	User Name <sup>*</sup>	Partner ID	Details
	(i)	11/02/2015 12:5	50:00	Proce	ssing complete			General	relay		P
	١	11/02/2015 12:5	50:00	Statu	s changed.			General	relay		P
	<b>()</b>	11/02/2015 12:5	50:00	Statu	s changed.			General	relay		P
	١	11/02/2015 12:5	50:00	Routi	ng rule ebXML Ser	d Message selected		Processing	relay		P
	ų.	11/02/2015 12:5	50:00	Docur	ment persisted.			General	relay	FBS - (Certify Responder)	P
						« Previo	us   <b>1</b>   Next »				

The **Type** column indicates the type of log entry when you hover over the  $\psi$  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.



Once a transaction is submitted, if it's unable to be sent successfully or, if an eb acknowledgment is not received within 1 hour the system will automatically retry a further 2 times (Thrice in total, each 1 hour apart.)

#### Example of a transaction being unsuccessfully sent

As described in the note above if a transaction is unable to be sent successfully or, if an eb acknowledgment is not received within 1 hour the system will automatically retry a further 2 times (Thrice in total, each 1 hour apart.)

						FRC HUB 당 🔕
Idavigate     Image: Comparison of Comparison	Transactions	4. O Certification Checker O Certification	Partner Profiles All	tivity Log O AseXML Submission	Admowledge Transa	Search Condition: AND Y Search Save Clear
AceXML Submission Acknowledge Transactions Custom Certification Checker Send AceXML	Transactions Peprocess Pesubinit					Export Table
Validate AseXML Certification Email Notification	Edit         Document Type         Sender*           1208/2015         15:43:23         sbM4. Routing         LVIA	Receiver" Processing Status" <u>BELAY - (Hub)</u> DONE W/ ERRORS	User Status* Docu SendMessage:err LVIA «Previous   1   Next »	ment ID™ :7b0526f=e206-41⊄7-8239-487324	Group ID * LVIA JGN LVIA-MSG-73645	Related Documents Decaments
Integration     B28     Transactions     Activity Log     Administration	Transaction Details           Date Receiver:         19/08/2015 15:40:23         Sender: <u>V/IA</u> Receiver:           Activity Log         Attributes         Tails         Content         Content	8E.Ar-Ohio) ents				Send link to this document
Integration     Vite Administration     Partner Profiles	Type*         Timestamp ♥           10         10000015 18:05:02           10         10000015 18:05:02           10         10000015 18:05:02           10         10000015 18:05:02           10         10000015 18:05:02           10         10000015 18:05:02           10         10000015 18:05:02           10         10000015 18:05:02           10         10000015 18:05:02           10         10000015 18:05:02           10         10000015 18:05:02           10         10000015 18:05:02           10         10000015 18:05:02	Brief Hessage" Processing complete Status changed. Roming nu lebMS find Hessage selected Status changed. Error in sending message Status changed. Error in sending message Error in sending message		Class* General Personainy General General General General General General	User Hame" GAM GAM GAM GAM GAM GAM GAM GAM GAM GAM	Partner ID Details P P P P P P P P P P P P P P P P P P P

If this is the case the overall **Processing Status** in the transactions section will be '**DONE W/ERRORS'**. If you then click either the magnifying glass icon  $\checkmark$  in the **Details** field, or the date link in the **Date Received** field the transaction details will load in the section below and you will see 3 errors as in the screenshot above, One for each attempt.

To resend this transaction please follow the instructions in Resubmit transaction section of the guide (4.5)

#### 4.5 Resubmit transaction

The LVI interface provides a useful function that allows transactions to be resubmitted if required by the user.

#### To resubmit a transaction:

- 1. Search for the transactions you wish to resubmit by following steps 1 to 6 from Error! eference source not found. (Section 4.4)
- 2. From the transactions search results, select the checkbox for the transactions to be resubmitted.

Transactions											▼ 🗉 🖸
Reprocess Resubmit	1										
	-								Export Table		
🍕 Date Received 🛩	Document Type*	Sender	Receiver <sup>™</sup>	Processing Status	User Status <sup>™</sup>	Document ID <sup>*</sup>	Conversation ID <sup>*</sup>	aseXMLMessageId <sup>®</sup>	Related Document	Detail	sAction
12/02/2015 15:58:05	ebXML Routing	RELAY (RELAY)	VENCorp	DONE	Payload:proc	ORIGIN 2f43738385adf399016afe	ORIGIN VENCORP ORIGIN 2f43738385adf399016afe		2	P	$\odot$
12/02/2015 15:58:05	ebXML Payload	RELAY (RELAY)	VENCorp	DONE	SendMessage:sent	ORIGIN 2f43738385adf399016afe	ORIGIN VENCORP ORIGIN 2f43738385adf399016afe		2	P	$\odot$
12/02/2015 15:58:05	aseXML Transaction	ORIGIN	VENCorp	DONE	aseXML Transaction	ORG-4d8dc6e1-0652-4302-9dbe-15212006		ORG-4d8dc6e1-0652-4302-9dbe-1521200	5 🖣	P	$\odot$

- 3. Click **Resubmit**. Note: This button is disabled by default, and is enabled once a checkbox is selected.
- 4. The **Transactions resubmit confirmation** box displays. Click **Ok** to proceed with the resubmission.



5. The transactions are resubmitted by the Hub to the participant and a status message displays at the top of the **Transactions** section.

Transactions						▼ 🗆 🛛
1 document(s) are being resubmitted						
Reprocess Resubmit						
						Export Table
🍕 Date Received 🔻 🛛 Document Type 🐩 Sender 🖱	Receiver	Processing Status	Document ID*	Conversation ID <sup>*</sup>	aseXMLMessageId <sup>™</sup>	Related Documents
12/02/2015 15:58:05         ebXML Routing         RELAY (RELAY)	VENCorp	DONE Payload:proc	ORIGIN 2f43738385adf399016afe	ORIGIN VENCORP ORIGIN 2f43738385adf399016afe		ی 🎙 ک

#### 4.6 Acknowledge Transactions

As a general rule in B2B Gas market messaging via the Hub, aseXML transactions are automatically acknowledged (transaction level). The Acknowledge Transactions window allows LVI users to either positively or negatively acknowledge transactions via a user friendly interface. The below section of the guide documents this process step by step;

1. From the menu select **Partner**, then **Low Volume Interface** and then **Acknowledge Transactions** 

		FRC HUB 😯 💦
🕅 Ilavigate 😤	Transactions         0         AssNM         0         AssNM         0         Send AssNM         0         Acknowledge Tr ▼ ●         Certification         0	»
* AEMO	Search	
Partner     Custom     Certification	Qerry Field Transaction ID:	
Send AseXML Validate AseXML	Oete Range A1	
Email Notification Certification Results	Start Date: 10 Time: 00 1 00 .	
Acknowledge Transactions		Search Clear
AseXML Submission		Search Creat

2. In the Search section, enter a desired search criteria and select Search.



You have the ability to search for an individual transaction by entering the **Transaction ID** or multiple transactions by manually entering a date range or choosing from the **Date Range** drop down list.

- 3. In the **Transactions** section the following information displays
  - Transaction ID: Is the identifier for the transaction.
  - Date received:
  - Sender:
  - Receiver:

And the option to **ACK** or **NACK** each transaction (see screenshot below.)

						FRC HUB 🕞 🔊
H Navigate 🖇	AseXML Generation O Transactions	O Certification (	Transaction Ack O Act	hityLog O		
ATHO     ATHO     ATHO     Artor     Castom     Cestification     Sord AcaOM,     Validate AcaOM,     Validate AcaOM,     Validate AcaOM,     Cestification Results     Castoriation     Cestification Results     Transaction Acknowledger     Transaction Acknowledger	TransactionAck           Date Range         Custom           Start Date:         2007/2015         Time           End Date:         409/2015         Time           Transactions         Transactions         Time	<b>v</b> e: 00 : 00 : e: 23 : 59 :			✓ El B Search Clear	
AseXML submission AseXML Generation						
Hendtong     Interactions     Activity lag     Interactions     Activity lag     Integration     Batter	PBS-08350335-1222-4677-677.6462195 PBS-08350336-7282-4677-6372.6462195 PBS-0832667/86-edde-4342-9623-647788/86 UVA-F78007-983786-4002 PBS-06454518-73769-9856-4012-6779862 PBS-06465350-9458-422-8726-4278-4278-4278 PBS-0646738-03-9458-422-8726-4278-4278-4278	1000000000000000000000000000000000000	LVIA LVIA LVIA LVIA LVIA LVIA LVIA	аск Аск, Аск, Аск, Аск, Аск, Аск,	NACK NACK NACK NACK NACK NACK	

 Select either the ACK or NACK button. This will automatically create either a positive or negative acknowledgment against the selected transaction and take you to the AseXML submission screen (see screenshot below) where the aseXML acknowledgment message will be displayed for review.

AEMO		FRC HUB
H Navigate	Accive Generation 0 Transactions 0 Cetification 0 Transaction Ack. • 0 Activity Log 0	>
▼ AEMO	AseXML Submission	
▼ Partner	Cick here for Schema Versions	
▼ Custom	Please Enter your asetM, below:	
Send Ava206. Waldate Ac206. Bank Politication Certification Results Certification Resul	Cheni remoner-L12' encoding=:UT#17> cense:execUML:subscription:execUL:Str	^
B28     Transactions     Activity.Log      Administration     Integration		v
<ul> <li>B2B</li> <li>Partner Administration</li> <li>Partner Profiles</li> </ul>		Clear Submit

This screen is editable to enable the user to add the appropriate, Key Info, Context and Explanation values in the case of a negative acknowledgment.

5. Select Submit to send the acknowledgment (either Positive or Negative.)

## 5. Partner Profile Administration

The Partner Profiles window allows LVI users to view their current details, such as their external id's and contact details.

#### To view partner profiles:

1. From the menu click Administration, then Integration, then B2B, then Partner Administration and then Partner Profiles.

<ul> <li>Administration</li> </ul>				
Integration				
▼ B2B				
<ul> <li>Partner Administration</li> </ul>				
Partner Profiles				

2. The **Partner Profiles** window displays. The window shows the participant's details.

		FRC HUB
H Navigate 🚳	Partner Profiles 🔻 🔍	
▼ AEHO	Partner Details	
<ul> <li>▼ Partner</li> <li>▼ Custom</li> </ul>		Save Save & Close Cancel
Certification Send AseXML Validate AseXML	Corporation Name: VVA Organization Unit:	
Email Notification Certification Results	Statu: Advie V	
▼ Low Volume Interface	Preferred Language: HONLOCAM	
AseXML submission	External IDs Addresses Contacts Partner Group Membership Delivery Settings Extended Reids Users Certificates Permissions	
AseXML Generation	Add D Deele	
▼ Honitoring	🕅 tel trans" televisi	
<ul> <li>Integration</li> <li>828</li> </ul>	Ng at ype vange □ at the second sec	
Transactions	lof1	
Activity Log		Save & Close Cancel
▼ Administration		
* Integration		
* 828		
Partner Profiles		

- 3. To view your details, click on the participant name link in the Corporation Name field.
- The Partner Details window displays and the External IDs tab is displayed by default. You may also view the other tabs by clicking on them - Addresses, Contacts, Partner Group Membership, Delivery Settings, Extended Fields, Users, Certificates and Permissions.

		FRC HUB
K Navigate	Partner Profiles 🔻 🛈	
* AEMO	Partner Details	▼ 8 1
Partner     Custom		Save Save & Close Cancel
Certification Send AseXML Validate AseXML	Corporation Name: UVA Organization Unit:	
Email Notification Certification Results Low Volume Interface	Statuc [-tdm: V] Preferred Language: Root Looie V	
Transaction Admowledger AseXML submission	External IDs Addresses Contacts Partner Group Membership Delivery Settings Extended Relds Users Certificates Permissions	
AseXML Generation  Monitoring	Add D. Coller	
- Integration	R Value"	
▼ 828	LVIA	
Transactions Activity Log	1 <i>at</i> 1	Save Save & Close Cancel
▼ Administration		
B28     Serber Administration		
Partner Profiles		

#### 5.1 Auto Email Notification

The LVI automatically sends the LVI user a notification email every time a new transaction is successfully received (sample below)

То	LVI USER
Cc	
Bcc	
Subject	GFRC Transaction Notification

You have received a new aseXML transaction. Please login to http://hubportal.com.au to take action.

The email address these notifications are sent to is set up in the partner profile, only 1 email address can be set up for this feature.

To setup the email address these notifications are to be sent

1. From the menu select Integration, then B2B and then Partner Profiles.

		FRC HUB
Navigate	Partner Profiles 🕶 0 Send AcoV4. 0 Transaction Adricul 0 Transactions 0 Certification 0	8
* AEMO		TN Server: 10
* Partner	Search	<b>▼</b> □■
Certification Send AseXML	Keyword Advanced Saved Options	
Validate AseXML Email Notification	Keywords: 7 Search Save	
Certification Results Low Volume Interface	Partner Prolifes	<b>▼</b> □■
Transaction Admowledger AseXML Generation	Add Profile	
■ Monitoring		Export Table
Thtegration     B28     Transactions     Activity Log	Eg. (corporation Name (inspanzation time) ▲         Environment Name (inspanzation time) ▲         Environment Name (inspanzation time) ▲           USA         Environment Name (inspanzation time) ▲         Environment Name (inspanzation time) ▲	
▼ Administration		
<ul> <li>Integration</li> </ul>		
¥ 828		
Partner Administration     Partner Profiles		

2. Select your company in the Corporation Name section. And the below screen will appear.

AEMO					
Navinate 😤	Partner Profiles <b>v 0</b> Send Seril 0 Transaction Se	novel Q Transactions Q Certifi	ration 0		control map   cogou
AEMO	Partner Details				
Partner     Custom					Save Save & Close Co
Certification	Corporatio	n Name: MA			
Send AseXML Validate AseXML	Organizal	ion Unit:			
Email Notification		Status: Active			
Certification Results	Preferred L	nguage: Root Locale	×		
<ul> <li>Low Volume Interface</li> <li>Transaction Advisovledger</li> </ul>					
AseXML Generation	External IDs Addresses Contacts Partne	Group Membership Delivery Settings	Extended Fields Users Certificates Permissions		
lonitoring	Add Contact Delete				
Integration					
▼ 828	🖏 Last Name 🏾 🗛 First Name 🗸	Contact Type"	E-Mail <sup>®</sup>	Telephone	Extension Edit
Transactions	LVIA TN	Administrative	Sangeetha.premisumar@aemo.com.au		
Activity Log			10/1		
dministration					Save Save & Close Ca
Integration					

3. Select the Contacts tab and Add Contact.

4. Fill in the form that is displayed (including email address) ensuring that you enter the **Contact Type** as Administrative.

dd Contact	
Contact Type:	Administrative 🔽
Role:	
* Last Name:	
* First Name:	
E-Mail:	
Telephone:	
Extension:	
Pager:	
Fax:	
Country:	
* Address:	
Address Line 2:	
Address Line 3:	
* City:	
* State/Province:	
Postal Code:	
	OK Cance



If administrative is not selected no emails will be received.

5. Select **OK** and then **Save**.



If an invalid email address or the field is left blank you will receive the status of done w/errors in the view transactions screen (see screenshot below.) Can be ignored If this has been done by design i.e. no email is needed.

											Ex	cport Table
Date Receive	ed 🔻 🛛 🛛	ocument T	уре⊤		Sender	Receiver <sup>*</sup>	Processing S	tatus™	User Status <sup>*</sup>	Related Documen	tsDetails	Actio
8/11/2015 10:	:19:41 AM	ebXML Routi	ng		LVIB (NSWACT)	RELAY - (Hub)	DONE		SendMessage:sent	3	8	$\overline{\mathbf{r}}$
8/11/2015 10:	:19:41 AM	19:41 AM aseXML Trans r34			FBS - (Certify Responder)	LVIB (NSWACT)	DONE W/ ERR	RORS	aseXML trans: rec	4	8	$\overline{\mathbf{O}}$
8/11/2015 10:	5 10:19:41 AM ebXML Payload			RELAY - (Hub)		DONE		Payload:proc	2	8	$\odot$	
8/11/2015 10:	2015 10:17:08 AM ebXML Routing				LVIB (NSWACT)		DONE		SendMessage:sent	2	8	$\overline{\mathbf{r}}$
8/11/2015 10:	8/11/2015 10:17:08 AM aseXML Trans r34				FBS - (Certify Responder)	LVIB (NSWACT)	DONE W/ ERR	RORS	aseXML trans: rec	3	8	$\overline{\mathbf{r}}$
8/11/2015 10:	8/11/2015 10:17:08 AM ebXML Payload		ad		RELAY - (Hub)	LVIB (NSWACT)	DONE		Payload:proc	<b>a</b>	P	$\overline{\mathbf{S}}$
							« Previous   1   Next »					
Transaction De	tails											
Date Received:	8/11/2015 10:19	9:41 AM 5	ender: FBS - I	(Certify Responder	Receiver: LVIB (NSW	ACT)					<u>s</u>	<u>Send link to</u>
Activity Log	Attributes	Tasks	Content	Comments								
Delete			1									
											Ex	cport Table.
🖏 Турет	Timestamp 🔻			Brief Message	e e			Class <sup>™</sup>	User Name <sup>™</sup>	Partner ID		D
🔲 🤑	8/11/2015 10:1	19:41 AM		Service invoke	: LVI.rules.inbound:process/	AseXMLIn		Processing	relay			
	8/11/2015 10:1	19:41 AM		Processing com	plete			General	relay			
	8/11/2015 10:1	19:41 AM		Status changed				General	relay			
iii (1)	8/11/2015 10:1	19:41 AM		Status changed				General	relay			
n 🙆	8/11/2015 10:1	19:41 AM		No email addre	55			Processing	relav	LVIB (NSWACT)		
	8/11/2015 10:1	19:41 AM		Status changed				General	relay			
i ii	8/11/2015 10:1	10-41 AM		Document ners	isted			General	relay	EBS - (Certify Responder)		
	0/11/2015 10:	10.41.444		Doubles wile a	will Trees to colored			Deservation	relay	105 (certify responder)		
	8/11/2015 10:1	19:41 AM		Routing rule as	exmit Trans - in selected		· Devices 1.4.1 Nexts	Processing	relay			
							« FICENDUS   1   NEXL »					
Full Message	1											
No email address	s was available fo	r sending to	518q28009q877	cir000000el (Admin	nistrative). No email was se	ent.						

## 6. Appendix

#### 6.1 View transactions Field descriptions

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

- Date Received:
- Document Type:
- Sender:
- Receiver:
- Processing Status:
- User status: Indicates the type of activity taking place and its status. In general terms there are 5 types of activity;
  - (i) aseXML sent aseXML has been created and sent to be wrapped in ebXML.
  - (ii) SendMessage- aseXML payload has been wrapped in ebXML and sent to the hub.
  - (iii) Acknowledgement- A eb acknowledgement has been received.
  - (iv) Payload a aseXML payload has been received.
  - (v) aseXML ack A aseXML acknowledgment has been sent and received.

Each of can be one of 6 Statuses

- (i) :Sent- It has been successfully sent
- (ii) :Rec It has been successfully received
- (iii) :Ack- It has been acknowledged by the reciever
- (iv) :Err There is an error
- (v) : Proc it is processed.

(vi) :Dup- this is a duplicate transaction

#### For example

🖏 Date Received 🔻	Document Type*	Sender*	Receiver	Processing Status*	User Status"	Document ID*	Group ID*	Related Document	Details
7/09/2015 10:15:40	ebXML Routing	LVIA	RELAY - (Hub)	DONE	SendMessage:sent	LVIA 80003ee2-034b-49a9-a79f-86a91b	FBS LVIA FBS ac28c840-a844-4aa6-8ed5-643763f25d82	2	P

In the screenshot above you see SendMessage:sent in the user status column.This indicates that a EbXML message has been sent (the action) and the last 3 letters indicate the current status of this activity.

• Document ID: The ebXML message ID.