ATTACHMENT A – MARKED UP CHANGES.

#	IN009/21 – item #1 on list	Description	Minor corrections following 29 November 2021 release. List of documentation anomalies and GRCF outcome can be found here Item #1. Identified Error: Reason Code is Mandatory, and there are 2 enumerated reasons contained in the schema (i.e., the enumerations cannot be changed), but these are not shown in the gas documentation. The enumerations are listed in Appendix A – Data Dictionary, but the usage information is not captured.
Links to current document(s)			Participant build pack 3 - B2B System Interface Definitions FRC B2B System Interface Definitions

Tracked changes between the current version and the proposed changes shown below. Blue underline means addition and ~~red strikeout~~ means delete.

Participant build pack 3 - B2B System Interface Definitions - Extract only:

4.7.2 LifeSupportNotification (T80 and T81)

Transaction Data Elements

TRANSACTION:		LIFESUPPORTNOTIFICATION
Received From:		Retailer or Distributor
Sent To:		Distributor or Retailer
Data Element	**Mandatory / Optional / Not Required**	**Usage** Note – For Allowable Value information please see section of A1 AseXML Data Elements Participant Build Pack 3 B2B System Interface Definitions
NMI	M	
Checksum	M	
SiteAddress	O	
Reason	M	Allowable values: • Update • Reconciliation

Arjun Pathy
Mark ups relate to Ref #1 of IN009/21

FRC B2B System Interface Definitions- Extract only:

4.7.2 LifeSupportNotification (T80 and T81)

Transaction Data Elements

TRANSACTION:		LIFESUPPORTNOTIFICATION
Received From:		Retailer or Network Operator
Sent To:		Network Operator or Retailer
Data Element	**Mandatory / Optional / Not Required**	**Usage** Note – For Allowable Value information please see section of A1 AseXML Data Elements Participant Build Pack 3 B2B System Interface Definitions
NMI	M	
Checksum	M	Implemented as an attribute of the NMI aseXML element
SiteAddress	O	
Reason	M	Allowable values: • Update • Reconciliation

Arjun Pathy
Mark ups relate to Ref #1 of IN009/21

#	IN009/21 – item #2 on list	Description	Minor corrections following 29 November 2021 release. List of documentation anomalies and GRCF outcome can be found here Item #2. Life Support Status not showing allowable values (which are contained in the schema) or use of those values. The enumerations are listed in Appendix A – Data Dictionary, but the usage information is not captured.
Links to current document(s)		Participant build pack 3 - B2B System Interface Definitions FRC B2B System Interface Definitions	

Tracked changes between the current version and the proposed changes shown below. Blue underline means addition and ~~red strikeout~~ means delete.

Participant build pack 3 - B2B System Interface Definitions - Extract only:

4.7.2 LifeSupportNotification (T80 and T81)

		is None	
LifeSupportStatus	M	Allowable values:	**Arjun Pathy** Mark ups relate to Ref #2 of IN009/21.
		• Registered - No Medical Confirmation	
		• Registered - Medical Confirmation	
		• Deregistered - No Medical Confirmation	
		• Deregistered - Customer Advice	
		• Deregistered - No Customer Response	
		• None	
		Notes regarding the allowable values:	
		"Registered - No Medical Confirmation" means the customer has advised the Retailer/Distributor that they require life support equipment at the identified premise but have not yet provided medical confirmation to the Retailer or Distributor notified.	
		"Registered - Medical Confirmation" means the customer has advised the Retailer/Distributor that they require life support equipment at the identified premise and the Retailer/Distributor notified has received medical confirmation from the customer.	
		"Deregistered - No Medical Confirmation" means the Retailer/Distributor who was initially	

		notified of the life support equipment has attempted to gain medical confirmation from the customer, but the customer has not obliged. The Retailer/Distributor has completed the necessary steps to formally deregister the life support requirement at the identified premise with the customer as per the NERR, the Energy Retail Code (VIC), or the Electricity Distribution Code (VIC) and the customer did not provide medical confirmation during the deregistration process.	
		"Deregistered - Customer Advice" means a customer has advised the Retailer/Distributor that the person who required life support equipment has vacated the premises or no longer requires the life support equipment. The Retailer/Distributor has completed the necessary steps to formally deregister the life support requirement at the identified premise the NERR, the Energy Retail Code (VIC), or the Electricity Distribution Code (VIC).	
		"Deregistered - No Customer Response" means, where a Distributor has registered a customer's premises on the advice of the Retailer, the Distributor has commenced deregistration of the premises when it becomes aware that the customer has transferred to a new Retailer. The Distributor has completed the necessary steps to formally deregister the life support requirement at the identified premise as per the NERR, the Energy Retail Code (VIC), or the Electricity Distribution Code (VIC).	
		"None" means that the premises doesn't have a current Life Support requirement.	

FRC B2B System Interface Definitions- Extract only:

4.7.2 LifeSupportNotification (T80 and T81)

is None

LifeSupportStatus	M	Allowable values:
		• Registered - No Medical Confirmation • Registered - Medical Confirmation • Deregistered - No Medical Confirmation • Deregistered - Customer Advice • Deregistered - No Customer Response • None Notes regarding the allowable values: "Registered - No Medical Confirmation" means the customer has advised the Retailer/Distributor that they require life support equipment at the identified premise but have not yet provided medical confirmation to the Retailer or Distributor notified. "Registered - Medical Confirmation" means the customer has advised the Retailer/Distributor that they require life support equipment at the identified premise and the Retailer/Distributor notified has received medical confirmation from the customer. "Deregistered - No Medical Confirmation" means the Retailer/Distributor who was initially notified of the life support equipment has attempted to gain medical confirmation from the customer, but the customer has not obliged. The Retailer/Distributor has completed the necessary steps to formally deregister

the life support requirement at the identified premise with the customer as per the NERR, the Energy Retail Code (VIC), or the Electricity Distribution Code (VIC) and the customer did not provide medical confirmation during the deregistration process.

"Deregistered - Customer Advice" means a customer has advised the Retailer/Distributor that the person who required life support equipment has vacated the premises or no longer requires the life support equipment. The Retailer/Distributor has completed the necessary steps to formally deregister the life support requirement at the identified premise the NERR, the Energy Retail Code (VIC), or the Electricity Distribution Code (VIC).

"Deregistered - No Customer Response" means, where a Distributor has registered a customer's premises on the advice of the Retailer, the Distributor has commenced deregistration of the premises when it becomes aware that the customer has transferred to a new Retailer. The Distributor has completed the necessary steps to formally deregister the life support requirement at the identified premise as per the NERR, the Energy Retail Code (VIC), or the Electricity Distribution Code (VIC).

"None" means that the premises doesn't have a current Life Support requirement.

#	IN009/21 – items # 4 on list	Description		Minor corrections following 29 November 2021 release. List of documentation anomalies and GRCF outcome can be found here Item #4 Basic, Interval or Both" column reads "Basic" but should read "Both", as LSN can be used for both Basic and Interval meters.
Links to current document(s)				Participant build pack 1 Process flow table of transactions

Tracked changes between the current version and the proposed changes shown below. Blue underline means addition and ~~red strikeout~~ means delete.

Participant build pack 1 Process flow table of transactions - Extract only:

VERSION # 3.8 Effective 29 November 2021 – VERSION #3.9 Effective TBA

Ref No	X Ref	Basic, Interval or Both	GIP NON–GIP	Category	Procedure Ref	Comment in ref to procedure	Process Map ID	PBP2&3 Inter Defin ref	Trans Type	Trigger	From	To	Purpose	Type	Method	Data Elements – Received (MIRN/NMI Interchangeable)	Da –
80		~~Basic~~ Both	GIP	99. Non Procedures Transactions	No Procedure required			PBP3 Inter Defin Ref 4.7	LifeSupportN otification		Retailer	Distributor	Life Support information Change from RB	B2B	aseXML – Real Time or Batch	MIRN MIRN Checksum SiteAddress Reason RegistrationOwner LifeSupportStatus DateRequired LSEquipment LSContactName LSPostalAddress LSPhoneNumber1 LSPhoneNumber2 LSContactEmailAddress PreferredContactMethod SpecialNotes LastModifiedDateTime	Re

Note: These mark ups relate to Item #4 of IN009/21

#	IN009/21 – items #5 on list	Description	Minor corrections following 29 November 2021 release. List of documentation anomalies and GRCF outcome can be found here Item #5. PRE and DMS should mirror "mandatory / optional / not required" status for OTH and UMS respectively but instead all fields are optional.
Links to current document(s)			Participant build pack 3 - B2B System Interface Definitions FRC B2B System Interface Definitions Participant build pack 5 - NSW-ACT

Tracked changes between the current version and the proposed changes shown below. Blue underline means addition and red strikeout means delete.

Participant build pack 3 - B2B System Interface Definitions - Extract only

4.2.2.1 ServiceOrderRequest

FRC B2B System Interface Definitions- Extract only:

4.2.3.4. ServiceOrderRequest

Transaction:	ServiceOrderRequest
Received From:	User
Sent To:	Network Operator

DM Daniel McGowan — This markup relates to IN005/21

Data Element	Vic SA Mandatory / Optional / Not Required	Usage
LoadDetails/PerHour	O	In SA, Required for: Service Connection Request (Job Enquiry Code = "SCR") Basic Meter Fix (Job Enquiry Code = "MFX") Basic Meter Change (Job Enquiry Code = "MCH") Service Upgrade (Job Enquiry Code = "USR") Meter Size Upgrade (Job Enquiry Code = "UMS") Downgrade Meter (Job Enquiry Code = "DMS") In SA, this value must be populated with value of 1 if MeterInletPressure is populated and JobEnquiryCode is set to MRF. 'In WA this is required for New connections (SCR, CLT & ECO) and for Upgrade of meter size or pressure (UMS). The value used must be the anticipated maximum hourly load in MJ.
LoadDetails/PerAnnum	O	In SA, required where CustomerCharacterisation is a business customer (eg "Metropolitan Business" "Non Metropolitan Business") (and optional where CustomerCharacterisation is a residential customer): Service Connection Request (Job Enquiry Code = "SCR") Basic Meter Fix (Job Enquiry Code = "MFX") Optional for: Basic Meter Change (Job Enquiry Code = "MCH") Service Upgrade (Job Enquiry Code = "USR") Meter Size Upgrade (Job Enquiry Code = "UMS") Downgrade Meter (Job Enquiry Code = "DMS")
MeterInletPressure	O (Required)	In SA, Required for: Meter Fix (Job Enquiry Code = "MFX") Meter Size Upgrade (Job Enquiry Code = "UMS") Downgrade Meter (Job Enquiry Code = "DMS") Optional for: Service Upgrade (Job Enquiry Code = "USR") Meter Refix (Job Enquiry Code = "MRF") Service Connection Request = "SCR") In SA, default to "1.1". If this element is populated to JobEnquiryCode of MRF then LoadDetails/PerHour must also be populated with value of 1. In WA this is required for New connections (SCR, CLT & ECO) and for Upgrade of meter size or pressure (UMS). The value used must be the required meter inlet pressure which will be defaulted to 2.75 kPa or (1.25 kPa in low pressure areas).

Arjun Pathy — January 06, 2022 — This markup relates to Ref #5 in IN059/21 — Reply Resolve

Daniel McGowan — This markup relates to Ref #5 in IN059/21

Arjun Pathy — This markup relates to Ref #5 in IN059/21

Daniel McGowan — This markup relates to IN005/21

5.13.1 ServiceOrderRequest

LoadDetails/PerHour	O	Required for: Service Connection Request (Job Enquiry Code = "SCR") Basic Meter Fix (Job Enquiry Code = "MFX") – (except for 'Unclaimed' site where it is not required).
		Basic Meter Change (Job Enquiry Code = "MCH") Service Upgrade (Job Enquiry Code = "USR") Meter Size Upgrade (Job Enquiry Code = "UMS") Downgrade Meter (Job Enquiry Code = "DMS")	
LoadDetails/PerAnnum	O	Required where CustomerCharacterisation is a business customer (eg = "Metropolitan Business" or "Non Metropolitan Business") (optional where CustomerCharacterisation is a residential customer) and Job type is one of the following; Service Connection Request (Job Enquiry Code = "SCR")Optional for:Service Upgrade (Job Enquiry Code = "USR") Meter Size Upgrade (Job Enquiry Code = "UMS") Downgrade Meter (Job Enquiry Code = "DMS") Basic Meter Fix (Job Enquiry Code = "MFX") – (except for 'Unclaimed' site where it is not required).
MeterInletPressure	O	Considered as delivery pressure. Required for: Meter Fix (Job Enquiry Code = "MFX") – (except for 'Unclaimed' site in which case it is not required) Meter Size Upgrade (Job Enquiry Code = "UMS" Downgrade Meter (Job Enquiry Code = "DMS") Optional for: Service Upgrade (Job Enquiry Code = "USR") Service Connection Request = "SCR") Default to "1.38".

Daniel McGowan April 09, 2022
This mark up relates to Ref #5 in IN009/21.
↩ Reply

Daniel McGowan
This mark up relates to Ref #5 in IN009/21.

Daniel McGowan
This mark up relates to Ref #5 in IN009/21.

#	IN009/21 – items #6 on list	Description	Minor corrections following 29 November 2021 release. List of documentation anomalies and GRCF outcome can be found here Item #6. Identified Error: Enq Code – DMS - Priority should be J not F, Completion Codes (SA): 10-10-(47), Completion Codes Can't Do: 10-98, 74-98; 74-30.
Links to current document(s)			Participant build pack 1 Process flow table of transactions Participant build pack 5 - NSW-ACT

Tracked changes between the current version and the proposed changes shown below. Blue underline means addition and red strikeout means delete.

Participant build pack 1 Process flow table of transactions, Job Enquiry tab – Extract only

Participant build pack 5 - NSW-ACT – Extract only

14.   Appendix – H (Table of Transactions – Job Enquiry Codes – Job Completion Code mappings)

ENQUIRY CODE	COMPLETION CODE COMPLETED	COMPLETION CODE CAN'T DO	COMPLETION CODE NO ACCESS	COMPLETION CODE CANCEL
		22-98		

#	IN009/21 – item # 7 on list	Description	Minor corrections following 29 November 2021 release. List of documentation anomalies and GRCF outcome can be found here Item #7. Identified Error: Enq Code - PRE - Completion Codes (SA): 10-78; 22-78, Completion Codes Can't Do: 10-42; 10-46;10-16;10-98;22-98; 74-98;74-30 .
	Links to current document(s)		Participant build pack 1 Process flow table of transactions Participant build pack 5 - NSW-ACT
Tracked changes between the current version and the proposed changes shown below. Blue underline means addition and red strikeout means delete.			

Participant build pack 1 Process flow table of transactions, Job Enquiry tab – Extract only

Participant build pack 5 - NSW-ACT – Extract only

14.   Appendix – H (Table of Transactions – Job Enquiry Codes – Job Completion Code mappings)

ENQUIRY CODE	COMPLETION CODE COMPLETED	COMPLETION CODE CAN'T DO		COMPLETION CODE NO ACCESS	COMPLETION CODE CANCEL
PRE	10-06 10-78 22-78 10-10-(31, 33, 34, 37, 44, 42, 45)	10-42 10-46 10-16 22-98 10-98 74-30	74-98	70-30	74-98

Daniel McGowan April 10, 2022
These mark ups relate to Item #7 of IN009/21
Reply   Resolve

#	IN009/21 – items # 10 on list	Description	Minor corrections following 29 November 2021 release. List of documentation anomalies and GRCF outcome can be found here Item #10. Identified Error: The schema indicates that RegistrationOwner should be filled as "Yes" or "No", but the "Usage" column in Section 4.7.2 and the "Allowed Values" column in Appendix A give the allowable values as "YES" and "NO". .
	Links to current document(s)		Participant build pack 3 - B2B System Interface Definitions FRC B2B System Interface Definitions

Tracked changes between the current version and the proposed changes shown below. Blue underline means addition and ~~red strikeout~~ means delete.

Participant build pack 3 - B2B System Interface Definitions - Extract only:

4.7.2 LifeSupportNotification (T80 and T81)

Appendix A.   Data Dictionary, A.1   aseXML Data Elements

FRC B2B System Interface Definitions- Extract only:

4.7.2 LifeSupportNotification (T80 and T81)

Appendix A.   Data Dictionary, aseXML Data Elements

#	IN009/21 item # 11 on list	Description	Minor corrections following 29 November 2021 release. List of documentation anomalies and GRCF outcome can be found here Item #11. Identified Error: Updated to include references to reflect the new r40 AseXML Schema.. .
Links to current document(s)			SA-WA Interface Control Document (ICD)
Tracked changes between the current version and the proposed changes shown below. Blue underline means addition and red strikeout means delete.			

SA-WA Interface Control Document (ICD) - Extract only.

8.1.7.2   Data flow Definition: Transfer Request Notification Current User (TFR-NOTF-CU)

This is the notification to the current user to indicate that the transfer request initiated by the incoming user passed business validation and has been accepted.

8.1.7.2.1   AseXML Example Transaction

```
<CATSNotification version="r2910">
    <Role>USER</Role>
    <RoleStatus>C</RoleStatus>
    <ChangeRequest>
        <Participant xsi:nil="true" />
        <RequestID>550000072</RequestID>
        <ChangeStatusCode>REQ</ChangeStatusCode>
        <ChangeData>
            <ChangeReasonCode>0001</ChangeReasonCode>
            <ProposedDate>2004-03-10</ProposedDate>
            <NMIStandingData xsi:type="ase:GasStandingData" version="r4013">
                <NMI checksum="2">5000000007</NMI>
            </NMIStandingData>
        </ChangeData>
    </ChangeRequest>
</CATSNotification>
```

DM **Daniel McGowan** A few seconds ago
These marked up changes related to item 11 of IN009-21

Reply   Resolve

* The above is one example of the tracked changes in the ICD. Because there are so many like the above, AEMO has provided only this example.

#	IN007/20	Description	Add further clarity to the description of the T299 (Complete MIRN Listing) file. This proposal was raised by AGL as part of South Australia Retail Market Procedure (RMP) harmonisation changes (IN006/14). AGL suggested that for consistency the obligation to provide data fields is made consistent with the Western Australian drafting.
Links to current document(s)			Participant build pack 1 - CSV format specifications FRC B2B System Interface Definitions Participant build pack 5 - NSW-ACT Participant build pack 6 - NSW WW and T

Tracked changes between the current version and the proposed changes shown below. Blue underline means addition and ~~red strikeout~~ means delete.

Participant build pack 1 - CSV format specifications- Extract only

6.13 Complete MIRN Listing (T299)

6.13 Complete MIRN Listing (T299)

~~The Distributor must make available to Retailers a listing of all distribution metering supply points that have a MIRN assigned and a MIRN status of either Registered (up stand installed), Commissioned (meter installed) or Decommissioned (meter removed) in the encrypted format described below (see Ref.[5], 3.3.1A).~~

The Distributor must make available to Retailers a listing of all distribution metering supply points that have a MIRN assigned and a MIRN status of either Registered (up stand installed), Commissioned (meter installed) or Decommissioned (meter installed but delivery point is disconnected). The Distributor must ensure that all data fields as per Transaction 299 that are available in their database are transferred to the Complete MIRN listing irrespective of whether the data field is designated as O (optional) in the table for T299.

FRC B2B System Interface Definitions- Extract only:

Complete MIRN Listing (T299) –(For SA).

~~The Network Operator must make available to Retailers a listing of all distribution metering supply points that have a MIRN assigned and a MIRN status of either Registered (up stand installed), Commissioned (meter installed) or Decommissioned (meter removed).~~
The Network Operator must make available to Retailers a listing of all distribution metering supply points that have a MIRN assigned and a MIRN status of either Registered (up stand installed), Commissioned (meter installed) or Decommissioned (meter installed but delivery point is disconnected). The Network Operator must ensure that all data fields as per Transaction 299 that are available in their database are transferred to the Complete MIRN listing irrespective of whether the data field is designated as O (optional) in the table for T299.

The Network Operator must ensure that the complete MIRN listing file is encrypted and compressed (see section 4 of the FRC CSV File Format Specifications for allowable compression formats) in a way that when the Retailer retrieves the file it can be decrypted and uncompressed using the "WinZip" utility.

The Network Operator will utilise the CSV fields and formats consistent with the fields and formats that are used in the aseXML schema applicable for a MIRN Discovery response which is defined in section 4.3.2.3A (NMIDiscoveryResponse).

The complete MIRN listing is to be refreshed after the end of the calendar month by the

Participant build pack 5 - NSW-ACT – Extract only

5.11 Complete MIRN Listing (Ref 299)

5.11 Complete MIRN Listing (Ref 299)

The Distributor must make available to Retailers a listing of all distribution metering supply points that have a MIRN assigned and a MIRN status of either Registered (up stand installed), Commissioned (meter installed), Unclaimed or Decommissioned (meter removed) in the encrypted format described below (see RMP Ref.5.2.2). The Network Operator must ensure that all data fields as per Transaction 299 that are available in their database are transferred to the Complete MIRN listing irrespective of whether the data field is designated as O (optional) in the table for T299.

The Distributor must ensure that the complete MIRN listing file is encrypted and compressed (see section 4.4 for allowable compression formats) in a way that when the Retailer retrieves the file it can be decrypted and uncompressed using the "WinZip" utility.

The Distributor will utilise the CSV fields and formats consistent with the fields and formats that are used in the aseXML schema applicable for a MIRN Discovery response which is

Participant build pack 6 – NSW Wagga Wagga & Tamworth – Extract only

5.11 Complete MIRN Listing (Ref 299)

5.11 Complete MIRN Listing (Ref 299)

The Distributor must make available to Retailers a listing of all distribution metering supply points that have a MIRN assigned and a MIRN status of either Registered (up stand installed), Commissioned (meter installed) or Decommissioned (meter removed) in the encrypted format described in the AEMO Specification Pack document titled FRC B2B System Interface Definitions (refer SA RMP clause 5.2.2). The Distributor must ensure that all data fields as per Transaction 299 that are available in their database are transferred to the Complete MIRN listing irrespective of whether the data field is designated as O (optional) in the table for T299.

13

#	IN006/21	Description	Remove SA documentation duplication in Specification Pack (SP) and Participant Build Pack (PBP). This is a proposal raised by AEMO. It was during the design phase of the 2021 gas retail market business-to-business (B2B1) system change and aseXML schema uplift project, that AEMO identified that some SA sections the of the SP B2B Service Order Specifications (Parts 1 and 2) document are replicated in other Technical Protocol (TP) documentation such as the FRC B2B Systems Interface Definitions and the Participant Build Pack 1 Process flow Table of Transactions / Job Enquiry Code tab.
	Links to current document(s)		B2B Service Order Specification Part 1 B2B Service Order Specification Part 2 FRC B2B System Interface Definitions Specification Pack Usage Guide Participant build pack 1 Process flow table of transactions Participant build pack 3 - B2B System Interface Definitions

Tracked changes between the current version and the proposed changes shown below. Blue underline means addition and red strikeout means delete.

B2B Service Order Specification Part 1 – Extract only

Daniel McGowan Friday
These mark ups relate to IN006-21
Reply

B2B Service Order Specifications, Pt 1

B2B Service Order Specification Part 2 – Extract only

Table 1 (Columns A–K)

ENQUIRY CODE	BRIEF DESCRIPTION	DETAIL DESCRIPTION	PRIORITY	(M) Not Required (N) NOTE – The values in this column to reference Handle related Service Orders	VALID REQUESTOR	For relevant Enquiry Codes, successful completion will result in the following MIRN and Meter status changes	Completion Code Completed (SA Only)	Completion Code Can't do	Completion Code No Access	Completion Code Cancel
ML	Attach Locks/Plugs to Meter	Used to request attachment of Locks or Plugs (wad) to the meter. This will prevent use of gas.	C	M	Current FRO	MIRN status = Decommissioned, Meter status = Plugged, Meter physically plugged or locked.	10-23 (51 or 53 or 58)	74-88 / 10-98 / 74-30	70-30	74-88
MLN	Attach Locks/Plugs to Meter for Non-Payment	Used to request attachment of Locks or Plugs (wad) to the meter which will prevent the use of gas. This is to be used when a customer has not paid their account.	C	M	Current FRO	MIRN status = Decommissioned, Meter status = Plugged, Meter physically plugged or locked.	10-23 (51 or 53 or 58)	74-88 / 10-98 / 74-30	70-30	74-88
MLU	Attach Locks/Plugs to Meter for Unauthorised usage (ie non-identification)	Used to request attachment of Locks or Plugs (wad) to the meter which will prevent the use of gas. This is to be used when a customer has not contacted the retailer to set up an account.	C	M	Current FRO	MIRN status = Decommissioned, Meter status = Plugged, Meter physically plugged or locked.	10-23 (51 or 53 or 58)	74-88 / 10-98 / 74-30	70-30	74-88
MLB	Attach Locks/Plugs to Meter for breach of contract	Used to request attachment of Locks or Plugs (wad) to the meter which will prevent the use of gas. This is to be used when a a customer has continued to breach their contract.	C	M	Current FRO	MIRN status = Decommissioned, Meter status = Plugged, Meter physically plugged or locked.	10-23 (51 or 53 or 58)	74-88 / 10-98 / 74-30	70-30	74-88
MLI	Attach Locks/Plugs to Meter for illegal usage	Used to request attachment of Locks or Plugs (wad) to the meter which will prevent the use of gas. This is to be used when a	C	M	Current FRO	MIRN status = Decommissioned,				

Note: These mark ups relate to IN006/21

Table 2 (Columns A–H)

A	B	C
JobCompletionCode1	10 Gas Meter	
	11 Subsidiary	

Note: These mark ups relate to IN006/21

A	B	C
	37 Wrong Lines	
	41 Other Complaints	
	69 Sundry Appliance	
	70 No Access – Use Code Group 2, 29	
	74 Job Cancelled	
JobCompletionCode2	02 Refill/Restore Supply	These definitions of Job Completion Codes apply only in SA.
	03 Refer Mains & Service Crew – Stand By	In WA, the meanings of the Job Completion Codes are implied from their use in the Job Enquiry Codes worksheet.
	04 Refer to Repair – WAF left	
	06 Fix – Standing Cut Off	
	10 Change (Use Job Completion Code 2)	
	11 Remove (Use Job Completion Code 2)	
	12 Fix and Turn On	
	13 Re-signtering	
	15 Fix after Arrears	
	16 Previously Changed	
	17 Read Index	
	18 Ret, else and Test / High Account Investigation	
	22 Turn On	
	23 Cut Off (Use Job Completion Code 2)	
	24 Final Reading	
	29 No Access	
	37 Unable to Fix Faults	
	40 Previously Completed (Not Meter Change)	
	42 Referred to Dispatch for Review	
	44 Refer Foreman	
	55 Refer own plumber	
	69 Repair escape	
	64 Cut off appliance for safety	
	70 Adjust, repair arrears	
	73 Job complete	
	74 Report foreman	
	96 Assist or In complete stop gap – else onsite unit	
	99 Job not completed	
JobCompletionCode3	21 Not Registering	
	22 Not Passing	
	24 Leaking	
	27 Noisy	
	42 Damaged	
	44 For Official Test	
	45 Time Expired	
	47 Inadequate Size	
	51 Non Payment of Arrears	
	53 No Payment of Security Deposit	

4.2.3.4. ServiceOrderRequest

In relation to WA Ffurther detailed usage notes for the ServiceOrderRequest transaction are contained in the Service Order Specifications which are contained in the Specification Pack.

Note: where a ServiceOrderRequest transaction is provided to a Network Operator in South Australia, the Network Operator will use the CustomerCharacterisation field to provide the initial customer classification as prescribed under the National Energy Retail Law.

Transaction Data Elements

Transaction:	ServiceOrderRequest
Received From:	User
Sent To:	Network Operator

Data Element	Vic SA Mandatory / Optional / Not Required	Usage
actionType	M	"New" for New Service Order "Cancel" for Service Order Cancellation Implemented as an attribute of the ServiceOrderRequest aseXML element.
NMI	O	Must be provided if the Service Order is related to a specific NMI (See Job Enquiry Code/data element matrix to determine whether this element is required or not)

Daniel McGowan
This mark up relates to IN006/21

Daniel McGowan
This mark up relates to IN006/21

16

Transaction:	ServiceOrderRequest
Received From:	User
Sent To:	Network Operator

Data Element	Vic/SA Mandatory / Optional / Not Required	Usage
MeterInletPressure	O	In SA, Required for: Meter Fix (Job Enquiry Code = "MFX") Meter Size Upgrade (Job Enquiry Code = "UMS" Downgrade Meter (Job Enquiry Code = "DMS") Optional for: Service Upgrade (Job Enquiry Code = "USR") Meter Refix (Job Enquiry Code = "MRF") Service Connection Request = "SCR") In SA, default to "1.1". If this element is populated to JobEnquiryCode of MRF then LoadDetails/PerHour must also be populated with value of 1. In WA this is required for New connections (SCR, CLT & ECO) and for Upgrade of meter size or pressure (UMS). The value used must be the required meter inlet pressure which will be defaulted to 2.75 kPa or (1.25 kPa in low pressure areas).

Daniel McGowan
This mark up relates to IN006/21

Arjun Pathy
This mark up relates to Ref #5 in IN009/21.

Daniel McGowan Friday
This mark up relates to IN006/21

Reply

4.2.3.5. ServiceOrderResponse

In relation to WA, Ffurther detailed usage notes for the ServiceOrderResponse transaction are contained in the Service Order Specificationswhich are contained in the Specification Pack.

Transaction Data Elements

Transaction:	ServiceOrderResponse
Received From:	Network Operator
Sent To:	User

Data Element	SA/WA Mandatory/ Optional / Not Required	Victoria Mandatory/ Optional/ Not Required	Usage
responseType	M	M	"Initial" for initial response "Closure" when Service Order is closed Implemented as an attribute of the ServiceOrderResponse aseXML element.
NMI	O	O	Required when supplied by the User in the Service Order Request. Required on completion of a Meter Fix (Job Enquiry Code = "MFX")

Appendix A.   Data Dictionary, aseXML Data Elements – Extract only

aseXML Element Name	Element Name	Description	Attributes /Format	Length/ Decimal Places	Allowed Values
JobCompletionCode1	Job Completion Code 1	Code that represent the work undertaken by the Network Operator.	String	Enum	In relation WA, Ffor full usage details of Job Enquiry Codes and Job Completion Codes see Service Order Specifications in the Specification Pack. In relation to SA, for full usage details of Job Enquires Codes see Participant Build Pack 1 – Table of Transaction, Elements tab
JobCompletionCode2	Job Completion Code 2	Code that represent the work undertaken by the Network Operator.	String	Enum	In relation to WA, fFor full usage details of Job Enquiry Codes and Job Completion Codes see Service Order Specifications in Specification Pack. In relation to SA, for full usage details of Job Enquires Codes see Participant Build Pack 1 – Table of Transaction, Elements tab
JobCompletionCode3	Job Completion Code 3	Code that represent the work undertaken by the Network Operator.	String	Enum	For full usage details of Job Enquiry Codes and Job Completion Codes see Service Order Specifications in the Specification Pack. Not used in WA. In relation to SA, for full usage details of Job Enquires Codes see Participant Build Pack 1 – Table of Transaction, Elements tab
JobEnquiryCode	Job Enquiry Code	Code that describes the nature of the work. However receivers of the work will need to show the appropriate "Priority Code" as per industry A to K list.	String	Enum	In relation to WA, Ffor full usage details of Job Enquiry Codes and Job Completion Codes see Service Order Specifications in the Specification Pack. In relation to SA, for full usage details of Job Enquires Codes see Participant Build Pack 1 – Table of Transaction, Elements tab.
JurisdictionCode	N/A	Mandatory element for MSATS use. Not used by	String	3	"VGI"

CSV Data Elements

CSV Element Name	Element Name	Description	Attributes /Format	Logical Length/ Decimal Length	Allowed Values
Reason_for_Read	Meter Read Reason Code	What type of Special Read is to be performed.	String	3	"SRF" = Special Final Read (For SA, used for Scheduled Read (MDN), "SRR" = Special Reference Read, "SRA" = Special Account Investigation, "SRD" = Special Disconnection "SRT" = Special Transfer Read "SCH" = Schedule Cycle Read "INI" = Meter Installation Read (For SA, used for JECs MFX, MCH, MCH, MRF and MMR) "REM" = Meter Remove (For SA, used for JECs in MRM and MCH) "OSO" = Other Service Order (For SA, all other Service Order types other than the above mentioned JECs) "MDV" = Meter Data Verify (residual) (For SA, only used for MeterDataVerify MDNs) For WA, details of usage of Reason_for_Read, see Job Enquiry Code matrix in the Information Pack.
Rebate_Code	Rebate Code		Char	4	Stored as the charge-origin code as part of a Charge record within Debtors. The 4

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	8.5~~4~~
	2. Interface Control Document (ICD)	Interface Control Document	5.0
	3. B2B System Interface Definitions	FRC B2B System Interface Definitions	~~4.9~~5.0
	4. Transport Layer	FRC B2M-B2B Hub System Specifications FRC B2M-B2B Hub System Architecture	3.9 3.6
	5. CSV File Format	FRC CSV Data Format Specification	3.3
	6. Connectivity and Technical Certification (WA Only)	Connectivity Testing and Technical Certification (WA Only)	3.7
	7. Readiness Criteria (WA Only)	Readiness Criteria (WA Only)	2.3
	8. Service Order Specifications	B2B Service Order Specifications, Part 1 (WA only) and Part 2 (WA only), For SA Participant Build Pack 1 - Table of Transaction, Job Enquiry Code tab, and Elements tab (only the Job Enquiry Code 1, 2 and 3 elemnts)	2.4~~5~~ and 3.4~~5~~

DM **Daniel McGowan**
These marked up changes releate to IN006/21

3.8. Service Order Specifications (WA only)

DM **Daniel McGowan**
These marked up changes releate to IN006/21

The B2B Service Order Specifications define the detailed usage of Job Enquiry Codes and Job Completion Codes. The Service Order Specifications are in two parts:

1. Detailed definitions of usage of data elements for different Job Enquiry Codes (Word document).
2. Definitions of Job Enquiry Codes and the associated Job Completion Codes (Excel file)

3.9. aseXML schema

Transactions are conducted on the basis of a set of industry rules encapsulated in the aseXML schema and expressed in aseXML documents. The complete set of aseXML schemas and examples which participants have subscribed to for SA / WA Gas is available from http://www.aemo.com.au/About-the-Industry/Information-Systems/aseXML-Standards/aseXML-Schemas.

Participant build pack 1 Process flow table of transactions, Elements – Extract only

Element	Description	Attributes / Format	Length/ Decimal Places #1	Code Use	If Code Valid Values are: #2
Note #1: For the column "length/decimal places" the length refers to the total number of digits and the decimal point is not counted. For the exact aseXML requirements refer to PBP2 and 3. *Note #2:* The code values to be used for the aseXML are specified in PBP2 and 3. PBP1 codes for business reference only and are presented as abbreviations.					
Job Completion Code 1	Code that represents the work undertaken by the Distributor. (These same codes are used in SA)	Alpha	2	Y	10 = Gas Meter 14 = Subsidiary 15 = Meter – Water 21 = Service/Mains 22 = Valve/Regulator/Inlet 28 = Fitting Lines 48 = Other Complaints 60 = Sundry Appliances 70 = No Access – Use Code Group 2, 30 74 = Job Cancelled
Job Completion Code 2	Code that represents the work undertaken by the Distributor. (These same codes are used in SA)	Alpha	2	Y	02 = Refix/Restore Supply 03 = Refer Mains & Service Crew – Stand By 04 = Refer to Repair – WAF left 06 = Fix – Standing Cut Off 10 = Change (Use Reason Code) 11 = Remove (Use Reason Code) 12 = Fix and Turn On 13 = Registering 15 = Fix after Arrears ‑ Previously Changed ‑ Read Index ‑ Retake and Test / High Account Investigation 22 = Turn On 23 = Cut Off (Use Reason Code) 24 = Final Reading 30 = No Access 37 = Unable to Fix – Faults 40 = Previously Completed (Not Meter Changes) 42 = Referred to Despatch for Re-issue 46 = Refer Foreman 55 = Refer own plumber 60 = Repair escape 64 = Cut off appliances for safety 70 = Adjust, repair or renew 78 = Job complete 79 = Report foreman 86 = Assist or Incomplete stoppage – cleanser unit 98 = Job not completed
Job Completion Code 3	Code that represents the work undertaken by the Distributor. (These same codes are used in SA)	Alpha	2	Y	31 = Not Registering 33 = Not Passing 34 = Leaking 37 = Noisy 42 = Damaged 44 = For Official Test 45 = Time Expired 47 = Inadequate Size 51 = Non Payment of Arrears 52 = Non Payment of Security Deposit 53 = Unknown Consumer 55 = Building Demolished 58 = Turned On Unofficially/Fraudulent Use

Note: These mark ups relate to IN006/21

Participant build pack 3 - B2B System Interface Definitions – Extract only

4.2.2.1 ServiceOrderRequest

MeterInletPressure	O	Required for: Meter Fix (Job Enquiry Code = "MFX") Meter Size Upgrade (Job Enquiry Code = "UMS" Downgrade Meter (Job Enquiry Code = "DMS") Optional for: Service Upgrade (Job Enquiry Code = "USR") Meter Refix (Job Enquiry Code = "MRF") Service Connection Request – "SCR") Default to "1.1". If this element is populated to JobEnquiryCode of MRF then LoadDetails/PerHour must also be populated with value of 1.

Arjun Pathy
This mark up relates to Ref #5 in IN009/21.

Daniel McGowan
This mark up relates to IN006/21

#	IN011/18	Description	Remove unnecessary "quotations marks" from the NSW/ACT Participant Build Pack. This proposal was raised by Red and Lumo as part of the SA RMP harmonisation changes (IN006/14). Red and Lumo suggested that the quotation at beginning and end of sentence to do with signifies NSW/ACT differences in Participant Build Pack 1, 2 and 3 are unnecessary as the blue colored text already does this.
	Links to current document(s)		Participant build pack 5 - NSW-ACT Participant build pack 6 - NSW WW and T

Tracked changes between the current version and the proposed changes shown below. Blue underline means addition and red strikeout means delete.

Participant build pack 5 - NSW-ACT – Extract only

5.1 Meter Reads – Energy and Consumption (Non Daily read meters) (DB to RBs) (Ref No 41, 9, 13, 17, 31A, 50, 53, 51, 246, 2310)

For NSW/ACT the following is added to section 4.1.2 (Provision of Energy Flow Data) of the B2B System Interface Definition (Participant Build Pack 3).

"The distributor will only provide validated meter reads of any meter read type.

For NSW/ACT the Distributor may deliver meter reads for Non Daily read meters to Self Contracting users using the same format of the equivalent transaction to retailers. In this case the references to 'retailer' should be taken as 'user'."

> **DM Daniel McGowan** Saturday
> These marked up changes relate to IN011/18
>
> 🗨 Reply   🗨 Resolv

* The above is one example of the tracked changes in the ICD. Because there are so many like the above, AEMO has provided only this example

Participant build pack 6 - NSW WW and T

5.6 Special Read (Ref 3)

5.6.1 Special Read Request

For NSW/ACT where the network is "COUNTRY" or "NSWCR" the following applies.

"The Distributor will not provide an estimated read due to no access."

For NSW/ACT the following provides transformation guidance between section 4.1.5.1 (SpecialReadRequest) of the B2B System Interface Definition (For the SA and WA Gas Retail Markets) and section 5.6.1 (Special Read Request) of Participant Build Pack 5 for using the NSW/ACT format.

> **DM Daniel McGowan** Saturday
> These marked up changes relate to IN011/18
>
> 🗨 Reply   🗨 Resol

#	IN010/22	Description	Add the "Two Wells" farm-tap identification code in the Interface Control Document. AEMO has identified that the RMP and SA/WA Interface Control Document (ICD) are out of sync with AEMO's systems. These documents need to be updated to include the Two Wells farm tap sub-net (id# 2161) so the documentation reflects our SA systems.
Links to current document(s)			SA-WA Interface Control Document (ICD) Retail Market Procedures (SA)

Tracked changes between the current version and the proposed changes shown below. Blue underline means addition and red strikeout means delete.

SA-WA Interface Control Document (ICD) – Extract only.

14   APPENDIX D CODING OF GAS ZONES AND GATE POINTS, 14.1 Coding of gas zones.

CC is a 2 character alphanumeric code used to identify the *sub-network* within a *GDS* and the code varies dependant on the A code:

Envestra in SA (ie where A = 2) CC equals as follows:

01 = Adelaide Metropolitan
02 = Waterloo Corner
03 = Virginia
04 = Wasleys
05 = Freeling
06 = Nuriootpa
07 = Angaston
08 = Murray Bridge
09 = Berri
10 = Mildura
11 = Peterborough
12 = Port Pirie
13 = Whyalla
14 = Mount Gambier

Farm tap sub-networks:

50 = Daveyston
51 = Burra
52 = Nangwarry
53 = Snuggery
54 = Whyalla A
55 = Whyalla B
56 = Whyalla C
57 = Smithfield
58 = Penola
59 = Port Bonython
60 = Angaston A
61 = Two Wells

> **Daniel McGowan**
> These marked up changes relate to IN010/22

APPENDIX B. HEATING DEGREE DAY FOR SOUTH AUSTRALIA, B2. HDD zones

B.2 HDD zones

(a) For the purposes of clause 8.1.6, South Australia contains the following *positive HDD zones*:

    (i) Northern *HDD zone*;

    (ii) Adelaide Region *HDD zone*;

    (iii) Riverland *HDD zone*; and

    (iv) Mount Gambier *HDD zone*.

The designated weather observation station for the *HDD zone* described in sub clause (i) to (iv) are published in the register described in sub clause (a).

(b) For the purposes of clause 8.1.6, South Australia contains the following *negative HDD zones*:

    (i) Adelaide Metropolitan *HDD zone*.

(c) The designated weather observation stations for the *HDD zones* described in paragraphs (a) and (b) are published in the *Register of Weather Related Information*.

(d) A *basic-metered delivery point*:

    (i) is in the Northern *HDD zone* if the *basic-metered delivery point* is located in one of the following *gas zones*, or in a new *gas zone* designated under clause 1.6 as being in the Northern *HDD zone*:

        11 – Peterborough

        12 – Port Pirie

        13 – Whyalla

        54 – Whyalla A

        55 – Whyalla B

        56 – Whyalla C

        59 – Port Bonython

    (ii) is in the Adelaide Region *HDD zone* if the *basic-metered delivery point* is located in one of the following *gas zones*, or in a new *gas zone* designated under clause 1.6 as being in the Adelaide Region *HDD zone*:

        02 – Waterloo Corner

        03 – Virginia

        04 – Wasleys

        05 – Freeling

        06 – Nuriootpa

        07 – Angaston

        08 – Murray Bridge

        50 – Daveyston

        51 – Burra

        57 – Smithfield

        60 – Angaston A

        61 – Two Wells

> **DM** **Daniel McGowan** May 30, 2022
> These marked up changes relate to IN010/22
> 💬 Reply   ✏ Resolve

    (iii) is in the Riverland *HDD zone* if the *basic-metered delivery point* is located in one of the following *gas zones*, or in a new *gas zone* designated under clause 1.6 as being in the Riverland *HDD zone*: