

IMPACT & IMPLEMENTATION REPORT (IIR)

Issue number	Package 5 -2023 Retailer of Last Resort changes (IN002/23, IN003/23, IN012/22, IN009/22, IN008/17 and IN008/20)		
Impacted jurisdiction(s)	Victoria (VIC), Queensland (QLD), New South Wales/Australian Capital Territory (NSW/ACT) and South Australia (SA)		
Proponent	AEMO	Company	AEMO
Affected gas market(s)	Retail		
Industry consultative forum(s) used	GRCF	Date industry consultative forum(s) consultation concluded	Wednesday, 23 August 2023
Short description of change(s)	This package incorporates several non-controversial initiatives relating to the Gas Retail Market Retailer of Last Resort (RoLR) Procedures, Guidelines and processes. The intent of this proposal is to streamline, improve and better document the RoLR processes.		
Procedure(s) or documentation impacted	See Section 2		
IIR prepared by	Nandu Datar	Approved by	Meghan Bibby
Date IIR published	6 September 2023	Date consultation concludes	6 October 2023
Email address for responses	grcf@aemo.com.au		



IMPACT & IMPLEMENTATION REPORT (IIR) – DETAILED REPORT SECTION

1. DESCRIPTION OF ISSUE

As a result of the Weston Energy gas Retailer of Last Resort (RoLR) event that occurred in late May 2022, a couple of non-material processing issues were identified by AEMO and Participants whereby alternate “work around” processes were deployed rather than the prescribed processes as set out in either the Retail Market Procedures (RMP) and/or in Technical Protocol (TP) documentation. Further, this event also identified issues with RoLR processes whereby the prescribed information didn’t include information that would help the incumbent Retailer (e.g. RoLR) setup the customer account record. The above issues were added to the Gas Retail Market Issue / Change register around the time of this RoLR event with a view of bundling them with other pre-existing non-controversial RoLR issues into a single consultation work package.

The IIR proposes amendments to processes and documentation related to the RoLR process that if approved, will largely resolve the issues mentioned above. Section 3 of this IIR contains further information about each of the above issues and a brief explanation of the specific changes. Attachment A of this IIR contains amendments for each of the proposed changes.

1.1. Submission instruction to this second stage consultation

Anyone wishing to make a submission for this second stage consultation are requested to use the response template provided in Attachment B. Submissions close COB 6 October 2023 and should be emailed to grcf@aemo.com.au.

2. REFERENCE DOCUMENTATION

- Retail Market Procedures (SA) Ver 20.0
- Participant Build Pack 1 – CSV Data Format Specification Ver 3.7
- FRC B2B System Interface Definitions Ver 5.0
- SA/WA Interface Control Document Ver 5.2
- Information Pack Usage Guideline Ver 8.5

3. OVERVIEW OF CHANGES

The proposals and their impacts are summarised in the table below, and detailed in the following sections:

ID	Title	Participant System Impact	Jurisdiction	Documentation Impact
IN002/23	Adding additional fields to the existing T1010 RoLR file.	Yes	East Coast	Participant Build Pack 1 – CSV Data Format Specification. FRC B2B System Interface Definition.
IN003/23	Add equivalent NSW-ACT RMPs (Clause 7.2.1 (b)) into the SA RMP for error corrections when a RoLR event occurs.	No	South Australia	RMP (SA).
IN012/22	ROLR T1005 transaction - Decommissioned MIRNs without Meters.	Yes	East Coast	Participant Build Pack 1 – CSV Data Format Specification.



ID	Title	Participant System Impact	Jurisdiction	Documentation Impact
IN009/22	CSV Data Format Specification T1000 Harmonisation.	No	East Coast	Participant Build Pack 1 - CSV Data Format Specification.
IN008/17	Include SA RoLR Process Flows.	No	South Australia	Information Pack Usage Guideline.
IN008/20	Section 2.1.17 of the ICD GBO-ID.	No	South Australia	Specification Pack. SA/WA Interface Control Document.

3.1. IN002/23 - Adding additional fields to the existing T1010 RoLR file.

The current T1010 report as prescribed in the relevant build-packs excludes key field information that helps the RoLR setup the customer account and be able to service the customer in an effective manner. For example, the report fields do not indicate the customer’s hardship or life support status, which could lead to a potential non-compliance risk for the RoLR. This IIR proposes to support all fields required to appropriately serve the customer transferred to the RoLR so retailers do not have to source account creation information via the failed retailer administrators or via a request to the AER, ESV or the Distributor.

The proposal includes several new fields and making a number of fields ‘Required’. The specific fields proposed to be added to the T1010 file are detailed in Attachment A.

Note: Following feedback from Red/Lumo to the PPC, AEMO has reverted the attribute to ‘Optional’ and included a note in the comments column indicating that the field is required where available.

3.2. IN003/23 - Add equivalent NSW-ACT RMP Clause 7.2.1 (b) into the SA RMP for error corrections when a RoLR event occurs.

The Weston RoLR event identified that there is not an equivalent clause in the SA RMP to the NSW/ACT RMP Clause 7.2.1 (b). This clause relates to error correction requests in respect of a delivery point involving the failed retailer.

The impact of this proposal is a clause to be added to the SA RMP, which is equivalent to Clause 7.2.1 (b) from the NSW/ACT RMP. This clause is to be added as Clause 7.2.1 (d) to the SA RMP.

3.3. IN012/22 - ROLR T1005 transaction - Decommissioned MIRNs without Meters.

The T1005 (Account Creation Notification (ACN)) is required to be sent by the Distributor informing the RoLR of the transfer of a MIRN provided to the Distributor in the INT603 or T980 file. The T1005 transaction requires mandatory data elements as listed below, however, in the scenario of a MIRN which does not have a meter installed, the below mandatory data elements are not able to be populated as no meter exists on the site on the date of the RoLR transfer:

- Meter_Serial_Number;
- Meter_Type_Size_Code;
- Current_Index_Value;
- Current_Read_Date;
- Scheduled_Reading_Day_Number.

Distributor’s system is developed to ensure valid schema transactions are generated & received as specified in the Build Packs, therefore, they are not able to populate these mandatory data elements with a



NULL value as they will fail outgoing validation rules and likely will fail the RoLR's incoming validation rules as well.

AEMO proposes the following options,

- A. Make the above fields 'Required' rather than 'Mandatory'.
- B. The transaction T1005 relates to decommissioned MIRNs. The status of a MIRN should be 'Deregistered' when the meter is removed. The MIRN in question will not be included in the T1005 transaction.

AEMO noted its preferred option was B.

Note: During the PPC consultation, GRCF participants discussed this issue and have requested AEMO in their feedback to the PPC to include a note under the transaction T1005.

3.4. IN009/22 – CSV Data Format Specification T1000 Harmonisation.

The RoLR provisions in sections 6.17, 6.18, 6.19 and 6.22 within the Participant Build Pack 1 - CSV Data Format Specification require distributors to send their files via CD rather than via other delivery methods for T1000, T1005, T1010 and T1050 transactions. The equivalent provisions for these transactions in the SA Specification Pack and the NSW/ACT PBP5 stipulates that "the method of data delivery will be via an agreed method between parties and not via the FRC hub".

AEMO proposes to update Participant Build Pack 1 – CSV Data Format Specification, clauses 6.17, 6.18, 6.19 and 6.22 to be harmonised with other jurisdictions' Technical Protocols.

3.5. IN008/17 - Include SA RoLR Process Flows.

AEMO notes that the RoLR process flows in NSW/ACT Participant Build Pack 5 are compatible with process flows developed during implementation of SA RoLR initiative (IN026/12). The 'Information Pack Usage Guideline' will be amended to indicate reference to NSW/ACT PBP5 – Process Flow Diagrams for SA RoLR process flows.

3.6. IN008/20 - Section 2.1.1.6 of the ICD GBO-ID.

AEMO notes that sections 2.1.1.6 and 2.1.1.9 of the Interface Control Document (ICD) to do with recording a participant as "suspended" is no longer fit for purpose. It is unclear what the phrase 'terms of the agreement' refer to with regards to suspending a GBO-ID, as AEMO would not be aware of any such agreement.

AEMO proposes to update these sections to action GBO-ID suspensions according to whether 'the person has been issued a suspension notice in accordance with rule 488 of the National Gas Rules (NGR)' rather than under the terms of an agreement.

See Attachment A for further information about these changes.

4. LIKELY IMPLEMENTATION REQUIREMENTS AND EFFECTS

IN002/23

The provision of the T1010 report is from the failed retailer to the RoLR at the time of a RoLR event. The retailers will need to amend their systems to enable them to provide customer information as per the updated Technical Protocol documents, in Attachment A when required at the time of a RoLR event.

IN003/23



Participants in SA will need to amend their business processes to receive and process *transfer error correction request*.

IN012/22

The Distributors and Retailers will need to amend their systems to generate or receive T1005 transaction with a null value for the following fields where they are not available due to non-existence of a meter,

- Meter_Serial_Number;
- Meter_Type_Size_Code;
- Current_Index_Value;
- Current_Read_Date;
- Scheduled_Reading_Day_Number.

IN009/22

Participants in Victoria and Queensland will need to agree to a method of delivery with each other for the T1000, T1005, T1010 and T1050 transactions.

IN008/17

No impact expected on SA participants.

IN008/20

No impact expected on AEMO or participants.

5. OVERALL COSTS AND BENEFITS

Based on the PPC feedback, participants have not indicated any substantial costs in making minor process or system changes where required.

Inclusion of the proposed Technical Protocol and Procedure changes will eliminate any consideration of an administrative non-compliance and allow participants to operate in an effective and efficient manner, which meets the Objectives of the NGR.

A fit for purpose T1010 report allows for improved accuracy, more timely account creation, and more consistent compliance.

The benefits are likely to be realised as follows:

- Increased consistency within the retail gas regulatory framework.
- More uniform documentation across all jurisdictions reduces the complexities normally associated with entering gas retail markets, particularly for those retailers wanting to operate in more than one jurisdiction.
- Replace legacy data exchanges methods such as transfer files via CD.
- Increased readability of documentation.
- Harmonisation of business processes across jurisdictions.
- Assist with smooth transition of customers from FRB to RoLR.

AEMO expects there will be negligible implementation costs since none of the changes proposed in this IIR require substantial process or system changes and considers this change to be non-substantial. If a participant believes that any of the proposed changes are material, this feedback needs to be included in the Attachment B response template.



6. MAGNITUDE OF THE CHANGES

As this IIR entails changes to participants' systems in addition to Procedures and Guidelines, it is expected that the impact of this change will be non-substantial.

7. CONSISTENCY WITH NATIONAL GAS RULES (NGR) AND NATIONAL GAS OBJECTIVE (NGO)

As part of the first-round consultation (PPC), AEMO put forward the following assessment regarding compliance with section 135EB of the National Gas Rules:

Consistency with National Gas Law (NGL) and NGR	AEMO's view is that the proposed change is consistent with the NGL and NGR because the proposed changes improve operational practices and promotes consistency across the jurisdictions.
National Gas Objective	As outlined in Section 6, it is AEMO's view that this change harmonises and improve business processes across jurisdictions and is in the long-term interests of consumers as it will assist with smooth transition from FRB to the RoLR.
Any applicable access arrangements	AEMO's view is that the proposed change is not in conflict with existing Access Arrangements.

No participant submitted any opposing views in relation to AEMO's assessment during the first-round consultation. AEMO therefore maintains its original assessment as described above.

8. CONSULTATION OUTCOMES

The PPC was issued on 4 August 2023 and submissions in response to it were due by COB 23 August 2023. Submissions were received from the following organisations, AGL, AGN, Energy Australia, Jemena, Multinet, Origin Energy and Red/Lumo. All except Red/Lumo supported the six proposed changes.

Regarding IN012/22 (ROLR T1005 transaction - Decommissioned MIRNs without Meters), AEMO was requested to include a note for transaction T1005. The note was developed following a workshop organised by the participants. In their feedback to the PPC all respondents except Red/Lumo agreed with inclusion of the note. AEMO noted that all distribution businesses (who are obliged to provide this information) that responded to the PPC have indicated their support. AEMO has included the proposed note to the T1005 transaction.

Participants requested changing the attribute that defines whether data element must or may be present for some of the data fields to 'Required'. Following the feedback from Red/Lumo, AEMO notes that in gas retail market, the description that defines whether data element must or may be present is limited to the following categories - Mandatory(M) or Optional(O) or Not Required(NR). The attribute Required(R) is not in use in gas retail market. AEMO has amended the data definitions to revert to Optional(O) and indicate 'Required where available' in the Comments column.

This feedback and AEMO's response thereto are provided in Attachment C.

9. SUPPORTING DOCUMENTATION

Attachment A Proposed Changes to Procedure and Technical Protocol documents

Attachment B IIR Response Template





IMPACT & IMPLEMENTATION REPORT – RECOMMENDATION(S)

10. SHOULD THE PROPOSED PROCEDURES BE MADE?

AEMO recommends making the changes proposed in Attachment A.

11. PROPOSED TIMELINES

Subject to all necessary approvals, AEMO proposes the following timeframe:

- Issue IIR on 6 September 2023.
- IIR feedback due 6 October 2023.
- AEMO decision targeted for 27 October 2023.

Effective date of Procedures, and system update to be 1 May 2024 (to coincide with Package 3B effective date which may also include Package 3A).



ATTACHMENT A – MARKED UP CHANGES (SEE SECTION 3)

Blue underline means addition and ~~red-strikeout~~ means delete. **Green** shaded refers to changes following GMI consultation. **Turquoise** shaded refers to changes following PPC consultation.

Retail Market Procedures (South Australia) (For IN003/23)

7.2 RoLR Event

7.2.1 Cancellation and acceleration of Customer transfers

¹ Where a *RoLR event* has occurred, AEMO must:

- a) in relation to a *transfer request* that is lodged or *pending*, where *failed Retailer* is the *incoming User*, *cancel* the *transfer request* and deliver a notice of the withdrawal of the *transfer request* to the *current User*, the *incoming User* and the *Network Operator* for the *delivery point* to which the *transfer request* relates by the start of the *gas day* that commences on the *RoLR transfer date*;
- b) in relation to a *transfer request* that is lodged or *pending*, where the *failed Retailer* is the *current User* for the *delivery point* subject to the *transfer request*, and the *transfer request* is not a move in, *accelerate* the *transfer request* and deliver a *transfer confirmation* to the *incoming User*, the *User* and the *Network Operator* for the *delivery point* to which the *transfer request* relates before the start of the *gas day* that commences on the *RoLR transfer date*;
- c) in relation to a *transfer request* that is lodged or *pending*, where the *failed Retailer* is the *current User* for the *delivery point* subject to the *transfer request*, and the *transfer request* is a move in:
 - (i) if the *transfer day* is ten days or less after the *RoLR transfer date*, *accelerate* the *transfer request* and deliver a *transfer confirmation* to the *incoming User*, the *User* and the *Network Operator* for the *delivery point* to which the *transfer request* relates by the start of the *gas day* that commences on the *RoLR transfer date*; or
 - (ii) if the *transfer day* is more than ten days after the *RoLR transfer date*, allow the *transfer request* to be processed as normal and include the *MIRN* relating to that *transfer request* in AEMO's *metering database* update process described in clause 7.2.2
- d) in relation to any lodged error correction notice in respect of a delivery point involving a failed Retailer:
 - 1.1.1 where the failed Retailer submitted the error correction notice, cancel the error correction notice and deliver notice of that cancellation to the current User, the failed Retailer and the Network Operator for the delivery point by the start of the gas day that commences on the RoLR transfer date;
 - 1.1.2 where the failed Retailer is the current User, accelerate the error correction notice and deliver notice that the error correction transaction has been completed to the User who submitted that request, the failed retailer and the Network Operator for the delivery point by the start of the gas day that commences on the RoLR transfer date.



Participant Build Pack 1 – CSV Data Format Specification.

6.17 MIRN Standing Data (T1000) (For IN009/22)

In order for the Retailer of Last Resort to manage the customer set up following a RoLR event, the DB is to provide to the Retailer of Last Resort the standing data details for MIRNs which the Retailer of Last Resort has become the FRO for during the RoLR event.

This will be based on the MIRNs provided to the DBs in the T980

The method of data delivery will be via [an agreed method between the parties and not via the FRC Hub](#) **to reduce delays in data delivery.**

The method of data delivery will be via

The following file naming convention is to be used:

VICGAS_MIRNSTANDINGDATA_OriginatorID_RecipientID_CCYYMMDDHHmmSS

6.18 Account Creation (T1005) (For IN009/22)

(Note: the change from mandatory to required is option A. If option B is progressing, then no change to the table below)

In order for the Retailer of Last Resort to manage the customer set up following a RoLR event, the DB is to provide to the Retailer of Last Resort the standing data details for MIRNs which the Retailer of Last Resort has become the FRO for during the RoLR event.

This will be based on the MIRNs provided to the DBs in the T980

The method of data delivery will be via [an agreed method between the parties and not via the FRC Hub](#).

TRANSACTION 1005 (FOR IN012/22)		
Heading/Column designator	Mandatory/Optional/ Required	Comment
NMI	M	Must be present
NMI_Checksum	M	Must be present
Meter_Serial_Number	M R O	Required if meter is attached
Meter_Type_Size_Code	M R O	Required if meter is attached
Current_Index_Value	M R O	Required if meter is attached
Current_Read_Date	M R O	Required if meter is attached
Scheduled_Reading_Day_Number	M R O	Required if meter is attached
Access_Details	O	Optional data that will be provided if available
Melway_Grid_Reference	O	Optional data that will be provided if available
Meter_Position	O	Optional data that will be provided if available

Note: During a RoLR event, where there are MIRNs without meters assigned to the failed retailer, the Distribution Business will liaise with the RoLR to provide appropriate details for the RoLR to take responsibility for these MIRNs.

Note: In the event of a Retailer of Last Resort (RoLR) event, the Distribution Business will promptly provide the designated RoLR(s) with a list of Decommissioned MIRNs where upstand/service is live with no meter attached which are associated with the failed retailer. The Distribution Business will work with the RoLR to resolve the status and outcome of these MIRNs.



6.19 Customer and Site Details from FRB to RoLR (T1010) (For IN009/22)

In order to manage the 'transfer' and customer set up following a RoLR event, all non-Declared Host Retailers are to provide to the Retailer of Last Resort a list of MIRNS and associated details for which they are the FRO at the time of the RoLR event.

The trigger for this data delivery will be AEMO issues a Suspension Notice to the FRB.

The method of data delivery will be via [an agreed method between the parties and not via the FRC Hub to reduce delays in data delivery](#).

The following file naming convention is to be used:

VICGAS_CUSTOMERSITEDETAILSFRB_OriginatorID_RecipientID_CCYYMMDDHHmmSS

TRANSACTION T1010 (FOR IN002/23)		
Heading/Column designator	Mandatory/Optional/ Required	Comment
NMI	M	Must be present
NMI_Checksum	M	Must be present
Person_Name_Title	O	Contains customer's title. Required if available
Person_Name_Given	O	Contains customer's first name. Required if available
Person_Name_Family	O	Contains customer's surname if Business-Name is not populated. Required if available
Business_Name	O	Contains company or business name, required if Person_Name_Family is not populated. Required if available
Business_ABN	RO	Populate with ABN if customer is a Business
Average Daily Load	M	Provide the average daily load in Mj
MDC not added as currently provided as Authorized_site_mdq in the transaction INT604	RO	Contains the Maximum Daily Quantity for large customers



TRANSACTION T1010 (FOR IN002/23)		
Heading/Column designator	Mandatory/Optional/ Required	Comment
Building_OrProperty_Name_1	O	Defines the building or Property name as per the Australian Standard AS4590. Required if available
Building_OrProperty_Name_2	O	Defines the building or Property name as per the Australian Standard AS4590. Required if available
ContactDetail_PersonName	O	Contains contact's mailing name or company name. Required if available
Flat_Or_Unit_Type	O	Required if available
Flat_Or_Unit_Number	O	Required if available
Floor_Or_Level_Type	O	Required if available
Floor_Or_Level_Number	O	Required if available
Location_Description	O	Required if available
House_Number_1	O	Required if available
House_Number_2	O	Required if available
House_Number_Suffix_1	O	Required if available
House_Number_Suffix_2	O	Required if available
Lot_Number	O	Required if available
Street_Name_1	M	Required if available
Street_Name_2	O	Required if available
Street_Type_1	O	Required if available
Street_Type_2	O	Required if available
Street_Suffix_1	O	Required if available
Street_Suffix_2	O	Required if available
Site_Address_City	M	
Site_Address_State	M	
Site_Address_Postcode	M	



TRANSACTION T1010 (FOR IN002/23)		
Heading/Column designator	Mandatory/Optional/ Required	Comment
Mail_Address_Line_1	O	Contains formatted postal address details. Required if available
Mail_Address_Line_2	O	Contains formatted postal address details. Required if available
Mail_Address_Line_3	O	Contains formatted postal address details. Required if available
Suburb_Or_Place_Or_Locality	O	Contains formatted postal address details. Required if available
State_Or_Territory	O	Contains formatted postal address details. Required if available
Postcode	O	Contains formatted postal address details. Required if available
ContactDetail_PhoneNumber_1	O	Contains contact's primary phone number. Required if available
ContactDetail_PhoneNumber_2	O	Contains contact's secondary phone number. Required if available
Email Address	O	Contains email address
Sensitive Load	M	Allowable Codes: Life Support Sensitive Load None
Site Access Details (already exists as Access Details)	R	
Rebate_Code	O	Allowed Codes: Pension Card Health Care Card Health Benefits Card Veterans Affairs Card



TRANSACTION T1010 (FOR IN002/23)		
Heading/Column designator	Mandatory/Optional/Required	Comment
		Required if available
Pensioner_Or_HealthCare_CardNumber	O	10 –string - Nine Numeric and one alpha unique identifier as issued by the Dept. of Social Security or Veterans’ Affairs, Required if available
From_Date	O	Effective date at which the card is valid. Required if available
To_Date	O	Date at which the card expires. Required if available
Hardship	M	Allowable values Yes No
Payment_Plan (Feedback from Origin and AGL to not include this)	M	Allowable values Yes No
Date_Of_Birth	O	Customer’s date of Birth. Required if available
Customer_Identification	O	Contains Customer’s Driver’s license. Required if available
RoLR	M	Declared Host Retailer

6.22 List of Cancelled Service Orders (T1050) (For IN009/22)

This data can be delivered via ~~GD or~~ e-mail or an agreed method between the parties and not via the FRC Hub to reduce delays in data delivery. If delivery is via e-mail then the formats described in Participants Build Pack 1 (CSV Data Format Specification) is to apply. Below is an example if Envestra is sending the file:

E-mail address:

Subject Line:

“VICGAS_SERVICE_ORDERS_INFLIGHT_ENVESTRA_20080730131500”



CSV Attachment:

Header (note: to be included in first row):

7. DATA DICTIONARY (FOR IN002/23)

CSV DATA ELEMENT NAME	ATTRIBUTE / FORMAT	LENGTH / DECIMAL PLACES	ALLOWED VALUES / COMMENTS
Adjustment_Reason_Code	String	2	"UR" = Under Read "OR" = Over Read "UE" = Under Estimated "OE" = Over Estimated "NC" = No Change
Average_Daily_Load	Numeric	11,0	Average Daily Load in Mj
Average_Heating_Value	Numeric	4,2	
Begin_Date	Date	10	ccyy-MM-dd
Building_OrProperty_Name_1	Char	36	Free text. There is a total 36 characters available for both name_1 and name_2, not 36 chars each.
Building_OrProperty_Name_2	Char	36	Free text. There is a total 36 characters available for both name_1 and name_2, not 36 chars each.
Business_ABN	Numeric	11	ABN without any spaces
Business_Name	String	60	
Capacity	String	4	In cubic meters
Capacity_Group	String	2	"10" = up to and including 6cm "20" = 7cm to 49cm "30" = 50cm and above "40" = Prepaid meters 50 = Hot Water
Consumed_Energy	Numeric	11,0	In megajoules
ContactDetail_PersonName	String	60	
ContactDetail_PhoneNumber_1	String	15	



CSV DATA ELEMENT NAME	ATTRIBUTE / FORMAT	LENGTH / DECIMAL PLACES	ALLOWED VALUES / COMMENTS
ContactDetail_PhoneNumber_2	String	15	
Current_Index_Value	Numeric	7,0	
Current_Read_Date	Date	10	ccyy-MM-dd
Customer_Identification	Char	12	Any valid driver's license number.
Customer_Classification_Code	Alpha	20	RES = Residential BUS = Business
Customer_Threshold_Code	Alpha	20	"LOW" = Business Customer Consumption 0 – 399 GJ "MED" = Business Customer Consumption 400 – 999 GJ "HIGH" = Business Customer Consumption more than 1000GJ
Date_Of_Birth	Date	8	ccyy-MM-dd
Date_of_Future_Read_N	Date	10	ccyy-MM-dd Note, suffix "N" must be replaced with the future date ordinal
Date_Updated	Date	10	ccyy-MM-dd
Distribution_Tariff	String	1	"V" = Volume "D" = Demand
Duration_of_Outage	Numeric	2,0	
Email Address	Char String	100	
End_Date	Date	10	ccyy-MM-dd
Energy_Calculation_Date_Stamp	Date	10	ccyy-MM-dd
Energy_Calculation_Time_Stamp	Time	8	hh:mm:ss
Estimation_Substitution_Reason_Code	String	2	"01" = Meter Removed "02" = Meter Obstructed "03" = Dirty Dial "04" = Can't Locate Meter "05" = Gate Locked "06" = Savage Dog "07" = Meter Changed "08" = Refused Access



CSV DATA ELEMENT NAME	ATTRIBUTE / FORMAT	LENGTH / DECIMAL PLACES	ALLOWED VALUES / COMMENTS
			"09" = Locked & No Answer "00" = Other "10" = Delayed Read "11" = Adjustment Read "12" = Damaged Meter "13" = Dial out of Alignment "14" = Key Required "15" = Access Overgrown "16" = Hi/Low Failure "17" = Meter Capacity Failure
Estimation_Substitution_Type	String	2	"E1" = Estimation method 1 "E2" = Estimation method 2 "E3" = RB/DB agreed value "S1" = Substitution method 1 "S2" = Substitution method 2 "S3" = RB/DB agreed substituted value
Fro_Id	Integer		Defined in MIBB report documentation
Fro_Name	String	40	Defined in MIBB report documentation
From_Date	Date	8	ccyy-MM-dd
Full_History_Required	String	1	"Y" = Yes "N" = No
Gas_Meter_Number	String	12	
Gas_Meter_Units	String	1	"I" = Imperial "M" = Metric
Hardship	String	1	"Y" = Yes "N" = No
Heating_Value_Zone	String	3	
Hi_Low_Failure	String	1	"Y" = Yes "N" = No
High_Meter_Range	String	12	
Low_Meter_Range	String	12	
Mail_Address_Line_1	String	80	



CSV DATA ELEMENT NAME	ATTRIBUTE / FORMAT	LENGTH / DECIMAL PLACES	ALLOWED VALUES / COMMENTS
Mail_Address_Line_2	String	80	
Mail_Address_Line_3	String	80	
MDQ (not added as currently provided as Authorized_site_mdg in the transaction INT604)	Numeric	11,0	Maximum Daily Quantity for large customers
Meter_Attachments	String	3	"HEX" = hexagram (hard wired remote meter reading system). "DIA" = dialog attachment for remote meter reading. "RAD" =radio remote meter reading attachment. "SMC" =smart card prepayment meter attachment. "TEL" = telemetry attachment for remote meter reading
Meter_Capacity_Failure	String	1	"Y" = Yes "N" = No
Meter_Description	String	14	
Meter_Read_Frequency	String	1	"B" = Bi-Monthly "M" = Monthly "Q" = Quarterly Q = Quarterly
Meter_Status	String	10	"Turned on" "Turned off" "Plugged" = Meter is disconnected "No meter"
Meter_Type_Size_Code	String	3	
Metric_Imperial_Indicator	String	1	"I" = Imperial "M" = Metric
Movement_Type	String	2	"MI" = Move In "MO" = Move Out "UP" = Update
Next_Scheduled_Read_Date	Date	10	ccyy-MM-dd



CSV DATA ELEMENT NAME	ATTRIBUTE / FORMAT	LENGTH / DECIMAL PLACES	ALLOWED VALUES / COMMENTS
NMI	String	10	
NMI_Checksum	Integer	1	
Number_of_Meter_Dials	String	2	
System_Plan (Feedback from Origin and AGL to not include this)	String	1	"Y" = Yes "N" = No
Pensioner_Or_HealthCare_CardNumber	Char	15	Number conforms to DSS or DVA pensioner number formats.
Person_Name_Family	String	40	
Person_Name_Given	String	40	
Person_Name_Title	String	12	
Planned_Outage_Commencement_Date	Date	10	ccyy-MM-dd
Planned_Outage_Commencement_Time	Time	8	hh:mm:ss
Pressure_Correction_Factor	Numeric	6,4	
Previous_Index_Value	Numeric	7,0	
Previous_Read_Date	Date	10	ccyy-MM-dd
Proposed_Meter_Change_End_Date	Date	10	ccyy-MM-dd
Proposed_Meter_Change_Start_Date	Date	10	ccyy-MM-dd
RB_Reference_Number	String	10	
Reading_Day_Change_Effective_Date	Date	10	ccyy-MM-dd
Reason_for_Read	String	3	"SRF" = Special Final Read, "SRR" = Special Reference Read, "SRA" = Special Account Investigation, "SRD" = Special Disconnection



CSV DATA ELEMENT NAME	ATTRIBUTE / FORMAT	LENGTH / DECIMAL PLACES	ALLOWED VALUES / COMMENTS
			"SRT" = Special Transfer Read "SCH" = Schedule Cycle Read "INI" = Meter Installation Read "REM" = Meter Remove "OSO" = Other Service Order "MDV" = Meter Data Verify (residual)
Rebate_Code	Char	4	Stored as the charge-origin code as part of a Charge record within Debtors. The 4 characters are broken into a 3 char code followed by a 1 char suffix code.
Rel_From_Date	Date		Defined in MIBB report documentation
Scheduled_Reading_Day_Number	String	2	
Sensitive_Load	String	Enum	"L" = Life Support "S" = Sensitive Load "N" = None
Sensitive_Load_Flag	String	1	"Y" = Yes "N" = No
Service_Order_Request	Char	10	"SDR" – Service Disconnection Request "MRM" – Meter Removal or both
Site_Address_Details (already exists as Access_Details)	Char	200	
Site_Address			Standard Form
Site_Address_City	Char	29	Free text.
Site_Address_Postcode	String	4	
Site_Address_State	Char	3	State abbreviation eg. SA, VIC, NSW, etc.
Standing_Data_Effective_Date	Date	10	ccyy-MM-dd
Street_ID	String	4	Refer to aseXML for allowed values



CSV DATA ELEMENT NAME	ATTRIBUTE / FORMAT	LENGTH / DECIMAL PLACES	ALLOWED VALUES / COMMENTS
Street_Name	String	30	
Street_Suffix	String	2	Refer to aseXML for allowed values
Suburb_Or_Place_Or_Locality	String	46	
To_Date	Date	8	ccyy-MM-dd
Transmission_Zone	Numeric	2,0	
Type_of_Read	String	1	"A" = Actual, "E" = Estimated "S" = Substituted "C" = Customer Own Read.
Volume_Flow	Numeric	11,2	Cubic Metres



FRC B2B System Interface Definitions (For IN002/23)

4 MIRN Standing Data (T1010)

In order to manage the ‘transfer’ and customer set up following a RoLR event, the failed retailer is to provide to the designated RoLR(s) a list of MIRNS and associated details for which they are the current user at the time of the RoLR event. Failed Retailer is to provide this in the CSV format outlined below.

The trigger for this data delivery will be the AER RoLR Notice.

The method of data delivery will be via an agreed method between parties and not via the FRC hub **to reduce delays in data delivery**.

The following file naming convention is to be used:

SAGAS_CUSTOMERSITEDetailsFRB_OriginatorID_RecipientID_CCYYMMDDHHmmSS

TRANSACTION T1010 (FOR IN002/23)		
Heading/Column designator	Mandatory/Optional/Required	Comment
NMI	M	Must be present
NMI_Checksum	M	Must be present
Person_Name_Title	O	Contains customer's title. Required if available
Person_Name_Given	O	Contains customer's first name. Required if available
Person_Name_Family	O	Contains customer's surname if Business-Name is not populated. Required if available
Business_Name	O	Contains company or business name, required if Person_Name_Family is not populated. Required if available
Business_ABN	RO	Populate with ABN if customer is a Business
Average Daily Load	M	Provide the average daily load in Mj



TRANSACTION T1010 (FOR IN002/23)		
Heading/Column designator	Mandatory/Optional/ Required	Comment
MDQ not added as currently provided as Authorized site_mdq in the transaction INT604)	RO	Contains the Maximum Daily Quantity for large customers
Building_OrProperty_Name_1	O	Defines the building or Property name as per the Australian Standard AS4590. Required if available
Building_OrProperty_Name_2	O	Defines the building or Property name as per the Australian Standard AS4590. Required if available
ContactDetail_PersonName	O	Contains contact's mailing name or company name. Required if available
Flat_Or_Unit_Type	O	Required if available
Flat_Or_Unit_Number	O	Required if available
Floor_Or_Level_Type	O	Required if available
Floor_Or_Level_Number	O	Required if available
Location_Description	O	Required if available
House_Number_1	O	Required if available
House_Number_2	O	Required if available
House_Number_Suffix_1	O	Required if available
House_Number_Suffix_2	O	Required if available
Lot_Number	O	Required if available
Street_Name_1	M	Required if available
Street_Name_2	O	Required if available
Street_Type_1	O	Required if available
Street_Type_2	O	Required if available
Street_Suffix_1	O	Required if available
Street_Suffix_2	O	Required if available



TRANSACTION T1010 (FOR IN002/23)		
Heading/Column designator	Mandatory/Optional/ Required	Comment
Site_Address_City	M	
Site_Address_State	M	
Site_Address_Postcode	M	
Mail_Address_Line_1	<input type="radio"/>	Contains formatted postal address details. Required if available
Mail_Address_Line_2	<input type="radio"/>	Contains formatted postal address details. Required if available
Mail_Address_Line_3	<input type="radio"/>	Contains formatted postal address details. Required if available
Suburb_Or_Place_Or_Locality	<input type="radio"/>	Contains formatted postal address details. Required if available
State_Or_Territory	<input type="radio"/>	Contains formatted postal address details. Required if available
Postcode	<input type="radio"/>	Contains formatted postal address details. Required if available
ContactDetail_PhoneNumber_1	<input type="radio"/>	Contains contact's primary phone number. Required if available
ContactDetail_PhoneNumber_2	<input type="radio"/>	Contains contact's secondary phone number. Required if available
Email Address	<input type="radio"/>	Contains email address
Sensitive Load	<u>M</u>	Allowable Codes: Life Support Sensitive Load None
Site Access Details (already exists as Access Details)	<u>R</u>	
Rebate_Code	<u>O</u>	Allowed Codes:



TRANSACTION T1010 (FOR IN002/23)		
Heading/Column designator	Mandatory/Optional/Required	Comment
		Pension Card Health Care Card Health Benefits Card Veterans Affairs Card Required if available
Pensioner_Or_HealthCare_CardNumber	O	10 –string - Nine Numeric and one alpha unique identifier as issued by the Dept. of Social Security or Veterans' Affairs, Required if available
From_Date	O	Effective date at which the card is valid. Required if available
To_Date	O	Date at which the card expires. Required if available
<u>Hardship</u>	<u>M</u>	<u>Allowable values</u> <u>Yes</u> <u>No</u>
<u>Payment_Plan (Feedback from Origin and AGL to not include this)</u>	<u>M</u>	<u>Allowable values</u> <u>Yes</u> <u>No</u>
Date_Of_Birth	O	Customer's date of Birth. Required if available
Customer_Identification	O	Contains Customer's Driver's license. Required if available
RoLR	M	Declared Host Retailer

5 Account Creation (T1005)

In order for the designated RoLR(s) to manage the customer set up following a RoLR event, the network operator is to provide to the designated RoLR(s) the standing data details for MIRNs which the designated RoLR(s) has become the current user for during the RoLR event. Network Operator provide this in the CSV format outlined below.

This will be based on the MIRNs provided to the network operator in the T980.



The method of data delivery will be via an agreed method between parties and not via the FRC hub ~~to reduce delays in data delivery~~.

The following file naming convention is to be used:

SAGAS_ACCOUNTCREATION_OriginatorID_RecipientID_CCYYMMDDHHmmSS

TRANSACTION 1005 (FOR IN012/22)		
Heading/Column designator	Mandatory/Optional/ <u>Required</u>	Comment
NMI	M	Must be present
NMI_Checksum	M	Must be present
Meter_Serial_Number	M <u>O</u>	<u>Required if meter is attached</u>
Meter_Type_Size_Code	M <u>O</u>	<u>Required if meter is attached</u>
Current_Index_Value	M <u>O</u>	<u>Required if meter is attached</u>
Current_Read_Date	M <u>O</u>	<u>Required if meter is attached</u>
Scheduled_Reading_Day_Number	M <u>O</u>	<u>Required if meter is attached</u>
Access_Details	O	Optional data that will be provided if available
Melway_Grid_Reference	O	Optional data that will be provided if available
Meter_Position	O	Optional data that will be provided if available

~~Note: During a RoLR event, where there are MIRNS without meters assigned to the failed retailer, the Distribution Business will liaise with the RoLR to provide appropriate details for the RoLR to take responsibility for those MIRNS.~~

Note: In the event of a Retailer of Last Resort (RoLR) event, the Distribution Business will promptly provide the designated RoLR(s) with a list of Decommissioned MIRNs where upstand/service is live with no meter attached which are associated with the failed retailer. The Distribution Business will work with the RoLR to resolve the status and outcome of these MIRNs.

Appendix A Data Dictionary

CSV Data Elements (For IN002/23)²

The table below specifies the column designators for CSV data elements that are carried inside of some of aseXML transactions. Note, the order of CSV column designators is fixed and is as per definition of CSV files given by this document. In general, date/time and time elements in the body of CSV B2B transactions will be expressed with a Time Zone Designator (TZD). The time zone selected will be at the discretion of the sending party. The 'Planned Outage Time' is always in local time without a Time Zone Designator.

CSV Element Name	Element Name	Description	Attributes /Format	Logical Length/Decimal Length	Allowed Values
Access_Details	Access Details		String	40	
Actual_Change_Date	Actual Transfer Date	Date on which the Customer Transfer is required	Date	10	ccyy-mm-dd
Actual_End_Date	Registration End Date	In relation to a transfer request which nominates a retrospective transfer date as the proposed transfer date.	Date	10	ccyy-mm-dd
Address_Change_Effective_Date	Address Change Effective Date	Date on which the Address information change is to commence	Date	10	ccyy-MM-dd
Adjustment_Indicator	Adjustment Indicator	Indicates the type of adjustment	String	1	"C" = Cancelled Transaction "R" = Rebilled Transaction "N" = New Transaction
Adjustment_Reason_Code	Adjustment Reason code	A code that the Network Operator provides to the User which identifies the reason for the revised reading	String	2	"UR" = Under Read "OR" = Over Read "UE" = Under Estimated "OE" = Over Estimated "NC" = No Change
After_Hours_Ind	After Hours Ind	Specifying whether the job occurred within normal or after hours.	String	1	"0" = Normal Hours "1" = After Hours "2" = Not Known
Agreed_Amount_GST_Excl	Agreed Amount GST Exclusive	The agreed amount (exclusive of GST) which reflects the outcome of the dispute resolution process. It may be a new amount or the original amount.	Numeric	11,2	



CSV Element Name	Element Name	Description	Attributes /Format	Logical Length/Decimal Length	Allowed Values
Agreed_Amount_GST_Incl	Agreed Amount GST Inclusive	The agreed amount (inclusive of GST) which reflects the outcome of the dispute resolution process. It may be a new amount or the original amount.	Numeric	11,2	
Agreed_GST_Amount	Agreed GST Amount	The agreed GST amount which reflects the outcome of the dispute resolution process. It may be a new amount or the original amount.	Numeric	11,2	
Average Daily Load	Average Daily Load	Average Daily Load in Mj	Numeric	11,0	
Average_Heating_Value	Average Heating Value	Is the sum of the Daily Weighted Flow Heating Value divided by the number of days for the reading/billing.	Numeric	4,2	
Baseload	Base Load	Non weather sensitive Gas usage per day (MJ)	Numeric	9,1	
Begin_Date	Begin Date	Commencement date for an energy history request	Date	10	ccyy-MM-dd
Billing_Days	Billing Days	In relation to tariff "V" DUoS charges, the number of days in the bill period — calculated as the difference between the ReadFrom and ReadTo dates.	Numeric	3,0	
bl	Base Load	Non weather sensitive Gas usage per day (MJ)	Numeric	9,1	
Building_Or_Property_Name_1	Building Or Property Name (Address Elements)	Defines the building or property name as per Australian Standard AS4590	String	30	Note: Building_Or_Property_Name_2 is not used in WA.
Building_Or_Property_Name_2					
Business_ABN	Business ABN	Australian business number for the customer if applicable	Numeric	11	ABN without any spaces
Business_Name	Business Name	Contains company or business name, required if Person_Name_Family is not populated	String	60	
Capacity	Capacity		String	4	In cubic meters
Capacity_Group	Capacity Group		String	2	"10" = up to and including 6cm "20" = 7cm to 49cm "30" = 50cm and above "40" = Prepaid meters "50" = Hot Water
Change_Id	Change Request ID	Unique identifier assigned to each transfer request by CATS	Integer	10	1-999999999



CSV Element Name	Element Name	Description	Attributes /Format	Logical Length/Decimal Length	Allowed Values
Change_Reason_Code	Change Reason Code	Identifies the type of transfer request	String	4	0001 = Prospective transfer, in-situ 0002 = Prospective transfer, move in 0003 = Correction of Transfer
Change_Status	Change Status Code	Describes the status of a transfer request within CATS	String	4	"REQ" = Requested
Charge_TP	Charge TP (DUoS This Period)	In relation to tariff "D" DUoS charges, the charge for the period	Numeric	11,2	
Completion_Code	Completion Code	Type of completion	String	1	"0" = Incomplete "1" = Complete "2" = Partial
Communication_Equipment_Present	Communication Equipment Present		Alpha	1	"Y" = Communications Equipment "N" = No
Consumed_Energy	Consumed Energy	Energy calculated (eg - Energy Flow)	Numeric	11,0	Megajoules
Consumption_GJ	Consumption (GJ)	In relation to tariff "D" DUoS charges, the actual GJ recorded by the data logger/meter and any substituted GJ	Numeric	11,3	
Consumption_MJ	Consumed Energy (Megajoules)	Energy calculated (eg - Energy Flow)	Numeric	11,0	
Consumption_HR1		Energy Consumption for the Hour	Numeric	10	In MJ
Consumption_HR2		Energy Consumption for the Hour	Numeric	10	In MJ
Consumption_HR3		Energy Consumption for the Hour	Numeric	10	In MJ
Consumption_HR4		Energy Consumption for the Hour	Numeric	10	In MJ
Consumption_HR5		Energy Consumption for the Hour	Numeric	10	In MJ
Consumption_HR6		Energy Consumption for the Hour	Numeric	10	In MJ
Consumption_HR7		Energy Consumption for the Hour	Numeric	10	In MJ
Consumption_HR8		Energy Consumption for the Hour	Numeric	10	In MJ
Consumption_HR9		Energy Consumption for the Hour	Numeric	10	In MJ
Consumption_HR10		Energy Consumption for the Hour	Numeric	10	In MJ
Consumption_HR11		Energy Consumption for the Hour	Numeric	10	In MJ
Consumption_HR12		Energy Consumption for the Hour	Numeric	10	In MJ
Consumption_HR13		Energy Consumption for the Hour	Numeric	10	In MJ
Consumption_HR14		Energy Consumption for the Hour	Numeric	10	In MJ
Consumption_HR15		Energy Consumption for the Hour	Numeric	10	In MJ
Consumption_HR16		Energy Consumption for the Hour	Numeric	10	In MJ
Consumption_HR17		Energy Consumption for the Hour	Numeric	10	In MJ



CSV Element Name	Element Name	Description	Attributes /Format	Logical Length/Decimal Length	Allowed Values
Consumption_HR18		Energy Consumption for the Hour	Numeric	10	In MJ
Consumption_HR19		Energy Consumption for the Hour	Numeric	10	In MJ
Consumption_HR20		Energy Consumption for the Hour	Numeric	10	In MJ
Consumption_HR21		Energy Consumption for the Hour	Numeric	10	In MJ
Consumption_HR22		Energy Consumption for the Hour	Numeric	10	In MJ
Consumption_HR23		Energy Consumption for the Hour	Numeric	10	In MJ
Consumption_HR24		Energy Consumption for the Hour	Numeric	10	In MJ
Current_Index_Value	Current Index Value	Most recent validated meter index stored on the database.	Numeric	7,0	
Current_Read_Date	Current Read Date	The date on which the Current Index Value was read.	Date	10	ccyy-MM-dd For interval meters, Current_Read_Date is the date of the gas day to which the read applies
Customer_Identification	Customer Identification		Char	12	Any valid driver's license number
Customer_Characterisation	Customer Characterisation	In relation to a customer, whether the customer is metropolitan or non-metropolitan and business or residential.	String	2	"MB" = Metro Business "MR" = Metro Residential "NB" = Non Metro Business "NR" = Non Metro Residential
Customer_Classification_Code	Customer Classification Code	In relation to a customer, whether the customer is residential or business, as per the NERL obligation	String	20	"RES" = Residential Customer "BUS" = Business Customer
Customer_Threshold_Code	Customer Threshold Code	In relation to a business customer, type of classification is based on consumption thresholds, as per the NERL obligation.	String	20	"LOW" = Business Customer with consumption from 0GJ up to 999GJ "HIGH" = Business Customer with consumption of 1000GJ or more.
Date_Of_Birth	Date Of Birth		Date	10	ccyy-MM-dd
DateServiceOrderCompleted	Date Service Request Completed	Date on which the Service requested was completed.	Date	10	ccyy-mm-dd
Daily_Heating_Value	Daily Heating Value		Numeric	5,3	
Date_of_Future_Read_N	Date of Future Read N		Date	10	ccyy-MM-dd Note, suffix "N" must be replaced with the future date ordinal
Delivery_Point_Identifier	Site Address DPID	Defines the delivery point identifier as per Australian Standard AS4590	String	8	



CSV Element Name	Element Name	Description	Attributes /Format	Logical Length/Decimal Length	Allowed Values
Disputed_Amount_GST_Excl	Disputed Amount GST Exclusive	The Disputed_Amount_GST_Excl is the amount of the original transaction. (NetworkDUoSBillingNotification)	Numeric	11,2	
Disputed_Amount_GST_Incl	Disputed Amount GST Inclusive	The Disputed_Amount_GST_Incl is the amount of the original transaction. (NetworkDUoSBillingNotification)	Numeric	11,2	
Disputed_GST_Amount	Disputed GST Amount	The Disputed_GST_Amount is the amount of the original transaction. (NetworkDUoSBillingNotification)	Numeric	11,2	



Dispute_Reason_Code	Dispute Reason Code	Applicable Dispute Reason Code	String	4	<p>“NNMI” = MIRN not known to User (i.e. User does not supply customer). “BPDF” = Billing Period Different “FC1” = Fixed Charge item 1 different (WA only) “FC2” = Fixed Charge item 2 different (WA only) “FC3” = Fixed Charge item 3 different (WA only) “FC4” = Fixed Charge item 4 different (WA only) “VC1” = Variable Charge item 1 different (WA only) “VC2” = Variable Charge item 2 different (WA only) “VC3” = Variable Charge item 3 different (WA only) “VC4” = Variable Charge item 4 different (WA only) “LRTB” = User has lost customer to another User before the invoiced period. “LRTD” = User lost customer to another User during the invoiced period (therefore need to apportion network charge between old and new User). “NDFG” = Network tariff different – generic “NDFO” = Network tariff charge different – Off Peak “NFP” = Network tariff charge different – Peak “QDFG” = Consumption different – generic “DUPL” = Duplicate charge (bill period) “ESDF” = Excluded service charge different “ESDP” = Excluded service code disputed (Excluded Service Code does not match SO type) “OTHR” = Other charge “BDDF” = Bill days different “FCDF” = Fixed charge different “TOTD” = Total charge different</p>



CSV Element Name	Element Name	Description	Attributes /Format	Logical Length/Decimal Length	Allowed Values
					"MDQ" = MDQ is different "MHQY" = Actual MHQ this year different "MHQT" = Actual MHQ this period different "MHQE" = Expected MHQ this year different "RDFG" = Rate is different "URSO" = Unknown User Service Order (User does not believe this amount should be charged at all)
Dispute_Comment	Dispute Reason Comment, Dispute_Resolution Comment	Free text field to provide additional explanation for the dispute.	String	240	
Distributor_ID	Distributor Id	Code identifying a Network Operator	String	10	The GBO ID of the Network Operator. Note, only codes identifying Network Operators can be used for this element.
Distribution_Tariff	Distribution Tariff	Part of the request for standing data from the Network Operator	String	Enum	See allowed enumerations in aseXML element.
Duration_Of_Outage	Duration of Outage	Approximate number of hours for the planned outage	Time	8	hh:mm:ss
Email_Address	Email Address	Email address of the customer	CharString	100	
End_Date	End Date	End date for an energy history request	Date	10	ccyy-MM-dd
Energy_Calculation_Date_Stamp	Energy Calculation Date Stamp	The date in which the Network Operator calculated the energy	Date	10	ccyy-MM-dd
Energy_Calculation_Time_Stamp	Energy Calculation Time Stamp	The time in which the Network Operator calculated the energy	Time	8	hh:mm:ss



CSV Element Name	Element Name	Description	Attributes /Format	Logical Length/Decimal Length	Allowed Values
Estimation_Substitution_Reason_Code	Estimation/Substitution Reason Code	Code that identifies why the Energy Flow was estimated/substituted	String	2	"01" = Meter Removed "02" = Meter Obstructed "03" = Dirty Dial "04" = Can't Locate Meter "05" = Gate Locked "06" = Savage Dog "07" = Meter Changed "08" = Refused Access "09" = Locked & No Answer "00" = Other "10" = Delayed Read "11" = Adjustment Read "12" = Damaged Meter "13" = Dial out of Alignment "14" = Key Required "15" = Access Overgrown "16" = Hi/Low Failure "17" = Meter Capacity Failure



CSV Element Name	Element Name	Description	Attributes /Format	Logical Length/Decimal Length	Allowed Values
Estimation_Substitution_Type	Estimation/Substitution Type	Indicator identifying the type of estimation/substitution applied.	String	2	<p>"E1" = Estimation method 1 "E2" = Estimation method 2 "E3" = RB/DB agreed value "S1" = Substitution method 1 "S2" = Substitution method 2 "S3" = RB/DB agreed substituted value</p> <p>In SA: - "E1/S1" = Type 1 estimation/substitution method in the ESCOSA Metering Code (a calculation based on Same Time Last Year) - "E2/S2" value for Estimation_Substitution_Type means Type 3 estimation/substitution method in the ESCOSA Metering Code (a calculation based on customer class) - "E3/S3" value for Estimation_Substitution_Type means Type 4 estimation/substitution method in the ESCOSA Metering Code (a substitution method only and is a value agreed by RB and DB).</p>
Expected_MHQ	Expected MHQ	Victoria - In relation to tariff "D" DUoS charges, the highest Maximum Hour Quantity expected in the calendar year. In SA, this data element will contain the Contracted MDQ	Numeric	12,0 (SA is different from Vic (Vic - 9,4)	Megajoules
Excluded_Service_Charge	Excluded Service Charge (GST exclusive)	Calculated excluded service charge, excluding GST	Numeric	11,2	



CSV Element Name	Element Name	Description	Attributes /Format	Logical Length/Decimal Length	Allowed Values
Excluded_Services_Charges_Charge_Item_Category	Excluded Services Charges Charge Item Category	Charge category of an excluded services	String	7	"Service" "Meter" "Logger" "O+M" "Mains" "Other"
Excluded_Services_Charges_Charge_Item_Amount	Excluded Services Charges Charge Item Amount	Excluded Services Charges that may apply in relation to a supply point and is part of the standing data request.	Numeric	9,2	
Excluded_Services_Charges_Charge_Item_Expiry_Date	Excluded Services Charges Charge Item Expiry Date	Date in which the Excluded Services Charges expires and is part of the standing data request	Date	10	ccyy-MM-dd
Excluded_Services_Code	Excluded Services Code	Based on each Network Operator's codes, used to indicate type of service.	String	10	
Fixed_Charge	Fixed Charge	In relation to tariff "V" DUoS charges, the daily fixed charge multiplied by the number of days in the billing period.	Numeric	11,2	
Fixed_Charge_1	Fixed Charge 1	In relation to tariff "H" Duos charges, the fixed charge used for <i>Standing Charges</i> . Exclusive of GST	Numeric	11,2	
Fixed_Charge_2	Fixed Charge 2	In relation to tariff "H" Duos charges, the fixed charge used for <i>User Specific Charges</i> . Exclusive of GST	Numeric	11,2	
Fixed_Charge_3	Fixed Charge 3	In relation to tariff "H" Duos charges, the fixed charge used for <i>Demand Charges</i> . Exclusive of GST	Numeric	11,2	
Fixed_Charge_4	Fixed Charge 4	In relation to tariff "H" Duos charges, the fixed charge used for <i>Other</i> fixed charges. Exclusive of GST	Numeric	11,2	
Flat_Or_Unit_Number	Flat Or Unit Number (Address Elements)	Defines the flat or unit number as per Australian Standard AS4590	String	7	
Flat_Or_Unit_Type	Flat Or Unit Type (Address Elements)	Defines the type of flat or unit as per Australian Standard AS4590	String	4	See aseXML data element address
Floor_Or_Level_Number	Floor Or Level Number (Address Elements)	Defines the floor or level number as per Australian Standard AS4590	String	5	



CSV Element Name	Element Name	Description	Attributes /Format	Logical Length/Decimal Length	Allowed Values
Floor_Or_Level_Type	Floor Or Level Type (Address Elements)	Defines the floor or level type as per Australian Standard AS4590	String	2	See aseXML data element address
frb	Failed Retail Business	This is the failed retailer in a RoLR event	Varchar	10	
From_Date	From Date		Date	10	ccyy-MM-dd
Full_History_Required	Full History Required	In Energy History Request shows if the full history is required	String	1	"Y" = Yes "N" = No
Gas_Meter_Number	Gas Meter Number	Number located on the gas meter.	String	12	
Gas_Meter_Units	Gas Meter Units	Identifies the unit of measure that pertains to the gas meter	String	1	"I" = Imperial "M" = Metric
GST_Exclusive_Amount_Paid	GST_Exclusive_Amount_Paid	Amount paid (exclusive of GST)	Numeric	11,2	
GST_Inclusive_Amount_Paid	GST Inclusive Amount Paid	Amount paid (inclusive of GST)	Numeric	11,2	
GST_Amount	GST Amount	GST applicable to calculated excluded service charge or GST amount applicable to transaction	Numeric	11,2	
Hardship	Hardship	Hardship indicator	String	1	"Y" = Yes "N" = No
Heating_Value_Zone	Heating Value Zone		String	3	
High_Meter_Range			String	12	
Hi_Low_Failure	Hi/Low Failure	A code that indicates whether the meter reader has input a meter reading that was outside the predetermined tolerance range	String	1	"Y" = Yes "N" = No
House_Number_1	House Number (Address Elements)	Defines the house number as per Australian Standard AS4590	String	5	Note: House_Number_2 is not used in WA.
House_Number_2					
House_Number_Suffix_1	House Number Suffix (Address Elements)	Defines the house number suffix as per Australian Standard AS4590	String	1	Note: House_Number_Suffix_2 is not used in WA.
House_Number_Suffix_2					
Invoice_Number	Invoice Number	Invoice number the line relates to.	String	20	
Job_Enquiry_Code	Job Enquiry Code		Alpha	4	
Last_Modified_Date_Time	N/A	A timestamp that may be used by an application to determine whether the supplied data is the latest information	DateTime	25	ccyy-MM-ddThh:mm:ss+hh:mm
Last_Read_Date	Last Read Date	Date to which a User has recorded energy on this supply point	Date	10	ccyy-MM-dd
Line_Description	Line Description	Line description that contains details of charge.	String	80	



CSV Element Name	Element Name	Description	Attributes /Format	Logical Length/Decimal Length	Allowed Values
Local_Capacity_Expiry_Date	Local Capacity Expiry Date	Date that the Local Capacity Charge will expire is part of the standing data request	Date	10	ccyy-MM-dd
Location_Description	Location Descriptor (Address Elements)	Defines the location descriptor as per Australian Standard AS4590. This is a catch all field for non-standard address information	String	30	
Lot_Number	Lot Number (Address Elements)	Defines the lot number as per Australian Standard AS4590	String	6	
Low_Meter_Range			String	12	
Max_MHQTTP	Max MHQTP (This Period)	In relation to tariff "D" DUoS charges, the highest actual Maximum Hour Quantity recorded in this period (month).	Numeric	12,0(SA /WA is different from Vic (Vic - 9,4)	Megajoules/hr
Max_MHQTY	Max MHQTY (This Year)	In relation to tariff "D" DUoS charges, the highest actual Maximum Hour Quantity recorded for the year to date.	Numeric	12,0(SA /WA is different from Vic (Vic - 9,4)	Megajoules/hr
MDQ not added as currently provided as Authorized_site_mdq in the transaction INT604)	Maximum Daily Quantity	Maximum Daily Quantity for large customers	Numeric	11,0	
Melway_Grid_Reference	Melway Grid Reference		String	9	



CSV Element Name	Element Name	Description	Attributes /Format	Logical Length/Decimal Length	Allowed Values
Meter_Attachments			String	3	"HEX" = hexagram (hard wired remote meter reading system). "DIA" = dialog attachment for remote meter reading. "RAD" =radio remote meter reading attachment. "SMC" =smart card prepayment meter attachment. "TEL" = telemetry attachment for remote meter reading
Meter_Capacity_Failure	Meter Capacity Failure	A code that indicates whether the reading was outside the predetermined tolerance range	String	1	"Y" = Yes "N" = No
Meter_Description			String	14	
Meter_Serial_Number	Meter Serial Number		String	20	
Meter_Position	Meter Position		String	40	
Meter_Read_Frequency	Meter Read Frequency	In the Annual Meter Reading Schedule indicates how frequently the meter is read	String	1	"B" = Bi-Monthly "M" = Monthly "Q" = Quarterly
Meter_Status	Meter Status	Field that confirms if a disconnection has taken place. Meter Disconnection by User notification to Network Operator. For WA field that defines the status of the meter, effectively Turned on or describes method of disconnection.	String	10	"Turned on" "Turned off" "Plugged" "No meter" "Trailer AC" – This is not used in SA. "No Reg" – This is not used in SA.
Meter_Type_Size_Code	Meter_Type_Size_Code	Identifies type of meter	String	3	In WA: Digit 1 = Meter Type 'B' or 'I' Digit 2 = Index Type 'M' or 'I' Digit 3 = Number of Dials (1 to 7) In SA: Network Operator defined.
Metric_Imperial_Indicator			String	1	"I" = Imperial "M" = Metric



CSV Element Name	Element Name	Description	Attributes /Format	Logical Length/Decimal Length	Allowed Values
MIRN_Status	MIRN Status		Alpha	20	"Register" = upstand + no meter "Commissioned" = upstand + meter connected "Decommissioned" = upstand + meter disconnected/turned off "Deregistered" = all removed
Network_Id	Sub Network ID	Sub-network Id – Unique identification of a sub-network	Char	4	As defined in Appendix A.5 of the ICD.
Network_Tariff_Code	Network Tariff Code	A description of the Network's Tariff (as gazetted by the Regulator). Tariff may be for standing charges, demand, etc. In SA, mostly the same as Distribution_Tariff (aseXML element) – see allowed values. In WA, the 4 digit distribution tariff defined in the RMP with a 6 digit extension making the haulage charges specific for the MIRN	String	10	In SA: 1Demand 2Demand 3Demand 4Demand 5Demand 6Demand 7Demand 8Demand 9Demand 0Demand Commercial Volume Negotiated NegVolume (note this is equivalent to 'NegotiatedVolume' in the Distribution_Tariff aseXML element) In SA, 'Negotiated' is used for both Negotiated Service charges and Term Sheet charges.
New_Fro	Party	Contains the initiator of the CATS change request, only when sent to the New User and the Network Operator	String	10	As defined in the GBO ID Table, as published on the AEMO website.
Next_Scheduled_Read_Date	Next Scheduled Read Date	According to the Meter Reading Schedule the next date on which the Meter is planned to be read.	Date	10	ccyy-MM-dd
Next_Scheduled_Special_Read_Date	Next Scheduled Read Date		Date	10	ccyy-MM-dd



CSV Element Name	Element Name	Description	Attributes /Format	Logical Length/Decimal Length	Allowed Values
NMI	MIRN	Meter Installation Registration Number. Unique number allocated by the Network Operator that identifies the Supply Point.	String	10	
NMI_Checksum	MIRN Checksum	Is a number calculated by an algorithm for validation purposes	Integer	1	
Number_of_Meter_Dials			String	2	
Old_Transaction_ID	Old Transaction ID	A reference to a previous transaction where the current transaction reverses an old transaction.	String	17	
Old_Invoice_Number	Old Invoice Number	A reference to a previous invoice for a reversal transaction.	String	20	
Paid_Date	Paid Date	Payment Date	Date	10	ccyy-MM-dd
Party	Party	A code that identifies who the current Retailer is in relation to the Distributors Meter Register	String	10	As defined in the GBO ID Table, as published on the AEMO website.
Payment Plan Feedback from Origin and AGL to not include this	Payment Plan	Indicates if the customer is on a payment plan	String	1	"Y" = Yes "N" = No
Peak_Rate	Peak Rate	The peak flow rate during the day (WA only)	Numeric	10	in MJ/h
Pensioner_Or_Healthcare_CardNumber	Pension Or Healthcare CardNumber		String	10	Numeric and one alpha unique identifier as issued by the Dept. of Social Security or Veterans' Affairs
Period	Period	Victoria - In relation to DUoS network charges, the month in which this charge has been raised SA/WA This is the period (month) to which the charges relate (the consumption period). If the consumption period covers more than one month, then the last month of that consumption period is entered.	String	6	ccyyMM
Planned_Outage_Commencement_Date	Planned Outage Commencement Date	In relation to an outage the date on which the outage is to occur.	Date	10	ccyy-MM-dd
Planned_Outage_Commencement_Time	Planned Outage Commencement Time	In relation to an outage the time on which the outage is scheduled to begin.	String	40	This can read time or time range e.g. business hours
Planned_Outage_Completion_Date	Planned Outage Completion Date	In relation to a planned outage the date on which the outage is to occur.	Date	10	ccyy-MM-dd



CSV Element Name	Element Name	Description	Attributes /Format	Logical Length/Decimal Length	Allowed Values
Postcode	Site Address Postcode (Address Elements)	Defines the postcode as per Australian Standard AS4590	String	4	
Pressure_Correction_Factor	Pressure Correction Factor	Pressure Correction Factor applied to calculate gas flow.	Numeric	6,4	
Previous_Index_Value	Previous Index Value	The reading prior to the current index value stored on the database.	Numeric	7,0	
Previous_Read_Date	Previous Read Date	The date on which the Previous Index Value was read.	Date	10	ccyy-MM-dd For interval meters, Previous_Read_Date is the date of the gas day prior to the day to which the read applies.
Proposed_Meter_Change_End_Date	Proposed Meter Change End Date	The end date the Network Operator may perform the Meter Change as part of the Time Expired Meter Change program.	Date		ccyy-MM-dd
Proposed_Meter_Change_Start_Date	Proposed Meter Change Start Date	The start date the Network Operator may perform the Meter Change as part of the Time Expired Meter Change program.	Date		ccyy-MM-dd
Quantity	Quantity	Number of charges (e.g. multiple truck visits)	Numeric	5,0	
Rate	Rate	The Rate of the Excluded Service Charge	Numeric	11,2	
RB_Reference_Number	RB Reference Number	A unique reference number assigned to individual work requests raised by the RB.	String	10	
RDM	RDM (Reading Days this month)	In relation to tariff "D" DUoS charges, the number of reading days in the period (month).	Numeric	3,0	
RDY	RDY (Reading Days in the Year)	In relation to tariff "D" DUoS, the number of reading days for the year (365 or 366).	Numeric	3,0	
Reading_Day_Change_Effective_Date	Reading Day Change Effective Date	The date in which the new Schedule is effective from	Date	10	ccyy-MM-dd



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	<p>“SRF” = Special Final Read, “SRR” = Special Reference Read, “SRA” = Special Account Investigation, “SRD” = Special Disconnection “SRT” = Special Transfer Read “SCH” = Schedule Cycle Read (For SA, used for Scheduled Read (MDN), “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.</p>
Rebate_Code	Rebate Code		Char	4	Stored as the charge-origin code as part of a Charge record within Debtors. The 4 characters are broken into a 3 char code followed by a 1 char suffix code.
Resolution_Date	Date of Resolution	Date of dispute resolution	Date	10	ccyy-MM-dd
Role	Role	Role of a participant in the aseXML	String	4	Note: used for T1060, “USER” is the only acceptable value.
Role_Name_Accelerated_Transfers	Role_Name_Accelerated_Transfers list	Role of a participant in the CATS transfer request process	String	6	USER C” – Current User , USER N – New User,
RoLR	RoLR		Char	12	Default RoLR
RoLR_Date	RoLR Date		Date	10	e.g. yyyy-mm-dd : Date Designated RoLR became FRO
Scheduled_Reading_Day_Number	Scheduled Reading Day Number	In relation to a Meter Reading Route Schedule change the day number on which the meter will be read.	String	2	



CSV Element Name	Element Name	Description	Attributes /Format	Logical Length/Decimal Length	Allowed Values
Service_Date	Service Date	The date the Excluded Service Charge occurred	Date	10	ccyy-MM-dd
Sensitive_Load	Sensitive Load	Sensitive load indicator for the customer	String	Enum	“L” = Life Support “S” = Sensitive Load “N” = None
Site_Address_Details (already exists as Access_Details)	Site Access Details		Char	200	
Site_Address_City	Site Address City	This relates to the site of the MIRN	Char	29	Free text
Site_Address_Postcode	Site Address Postcode	This relates to the site of the MIRN	String	4	
Site_Address_State	Site Address State	This relates to the site of the MIRN	Char	3	State abbreviation eg. SA, VIC, NSW, etc.
Special_Job_Instructions	Special Job Instructions		String	160	
Street_Name_1	Street Name (Address Elements)	Defines the street name as per Australian Standard AS4590	String	30	Note: Street_Name_2 is not used in WA.
Street_Name_2					
Street_Suffix_1	Street Suffix (Address Elements)	Defines the street suffix as per Australian Standard AS4590	String	2	See aseXML data element address Note: Street_Suffix_2 is not used in WA.
Street_Suffix_2					
Street_Type_1	Street Type (Address Elements)	Defines the street type as per Australian Standard AS4590	String	4	See aseXML data element address. Note: Street_Type_2 is not used in WA.
Street_Type_2					
Supply_Point_Code	Supply Point Code		Alpha	1	B = Basic I = Interval T = Transmission
Temperature_Sensitivity_Factor	Temperature Sensitivity Factor	This contains the temperature sensitivity heating rate for the delivery point.	Numeric	9,2	
To_Date	To Date		Date	10	ccyy-MM-dd
Total	Total	In relation to tariff "V" DUoS charges the sum of the variable peak, variable off peak, and fixed charges for this period.	Numeric	11,2	
Total_Daily_Consumption	Total Daily Consumption	The total consumption for the day	Numeric	10	In MJ
Transaction_ID	Transaction Identifier	Unique transaction or line identifier. This has the effect of ensuring that each charge is uniquely referenced, enabling effective B2B communication of disputes, etc.	String	17	



CSV Element Name	Element Name	Description	Attributes /Format	Logical Length/Decimal Length	Allowed Values
Transaction_Date	Transaction Date	Date this invoice line was created in the Source system. In the case of a cancellation, the transaction date is the date the transaction is cancelled rather than date of the original transaction.	Date	10	ccyy-MM-dd
Transmission_Zone	Transmission Zone		Numeric	2,0	
tsf	Temperature Sensitivity Factor	This contains the temperature sensitivity heating rate for the delivery point.	Numeric	9,2	
Type_of_Read	Type of Read	Indicator identifying the type of reading which has taken place.	String	1	"A" = Actual, "E" = Estimated "S" = Substituted "C" = Customer Own Read (not used in WA) "D" = Deemed
Variable_Off_Peak	Variable Off Peak	In relation to tariff "V" DUoS charges, the variable off peak charge in the billing period.	Numeric	11,2	
Variable_Charge_1	M	In relation to tariff "H" Duos charges, the fixed charge used for <i>Usage</i> related variable charges for all steps. Exclusive of GST.	Numeric	11,2	
Variable_Charge_2	M	In relation to tariff "H" Duos charges, the fixed charge used for <i>Peak</i> usage related variable charges. Exclusive of GST.	Numeric	11,2	
Variable_Charge_3	M	In relation to tariff "H" Duos charges, the fixed charge used for <i>Overrun</i> related variable charges. Exclusive of GST.	Numeric	11,2	
Variable_Charge_4	M	In relation to tariff "H" Duos charges, the fixed charge used for all <i>Other</i> variable charges. Exclusive of GST.	Numeric	11,2	
Variable_Peak	Variable Peak	In relation to tariff "V" DUoS charges, the variable peak charge in the billing period.	Numeric	11,2	
Volume_Flow	Volume Flow	Volume Flow is calculated by subtracting the Previous Index Value from the Current Index Value. A factor of 2.832 is applied to convert imperial registering Meters	Numeric	11,2	Cubic Metres



CSV Element Name	Element Name	Description	Attributes /Format	Logical Length/Decimal Length	Allowed Values
Work_Request_Number	Work Request Number	Unique reference number that the Network Operator assigns to the work for tracking and auditing purposes.	String	15	



ATTACHMENT B – IIR RESPONSE TEMPLATE

The IIR response template has been attached separately to this document. There are two sections in the template:

- Section 1 seeks feedback on AEMO’s examination of the proposal in Sections 1–9 (i.e., whether AEMO has correctly captured the requirements and surrounding context of the proposal)
- Section 2 seeks feedback on the proposed changes listed in attachment A.

Anyone wishing to make a submission to this IIR consultation are to use this response template. Submissions close COB 6 October 2023 and should be emailed to grcf@aemo.com.au.



ATTACHMENT C – GENERAL FEEDBACK GIVEN TO PPC

Section 1 - General Comments on the Proposed Procedure Change

Sections 1 to 8 of the PPC sets out details of the proposal.

Does your organisation support AEMO’s assessment of the proposal?

If no, please specify areas in which your organisation disputes AEMO’s assessment (include PPC section reference number) of the proposal and include information that supports your organisation’s rationale for not supporting AEMO’s assessment.

IN#	Ref #	Organisation	Response	AEMO Response
IN002/23	1	AGL	AGL supports AEMO’s assessment and notes the aim of aligning the gas customer details with the electricity customer details.	AEMO notes AGL’s support for the proposal.
	2	AGN	Not relevant to AGN. T1010 relates to Retailers and AEMO.	AEMO notes AGN’s comment.
	3	Energy Australia	Yes	AEMO notes EnergyAustralia’s support for the proposal.
	4	Jemena	Jemena supports this. Change in obligation for Failed Retail Business. Does not impact Jemena.	AEMO notes Jemena’s support for the proposal.
	5	Multinet	No impact to MGN	AEMO notes MGN’s comment.
	6	Origin Energy	Origin seeks clarification from AEMO in relation to AEMO’s assessment to remove the field MDQ. Refer to Section 3 of this response.	AEMO notes Origin Energy’s comment and refers to the response in Ref 80.
	7	Red/Lumo	Red Energy and Lumo Energy (Red and Lumo) support the proposed changes to include Life Support Status, BillingFormat, BillingFrequency, ABN and HardshipIndicator and Sensitive Load.	AEMO notes Red/Lumo’s support for the proposal. AEMO agrees with the suggestion to use the ‘String’ format instead of ‘Char’.



IN#	Ref #	Organisation	Response	AEMO Response
			Red and Lumo also support the inclusion of Email Address however we recommend using the String format as currently defined in FRC B2B System Interface Definition, Appendix A. Data Dictionary	
IN003/23	8	AGL	AGL supports AEMO's assessment.	AEMO notes AGL's support for the proposal.
	9	AGN	Yes	AEMO notes AGN's support for the proposal.
	10	Energy Australia	Yes	AEMO notes EnergyAustralia's support for the proposal.
	11	Jemena	Not relevant to Jemena.	AEMO notes Jemena's comment.
	12	Multinet	No impact to MGN	AEMO notes MGN's comment.
	13	Origin Energy	Origin supports the proposed change.	AEMO notes Origin Energy's support for the proposal.
	14	Red/Lumo	Red and Lumo support AEMO's assessment of the proposed change.	AEMO notes Red/Lumo's support for the proposal.
IN012/22	15	AGL	<p>AGL supports AEMO's assessment and further notes that additional discussion was undertaken by networks and retailers to ensure an outcome for decommissioned MIRNS and proposes the following be added to the T1005 information.</p> <p>"In the event of a Retailer of Last Resort (RoLR) event, the Distribution Business will promptly provide the designated RoLR(s) with a list of Decommissioned MIRNs where upstand/service is live with no meter attached which are associated with the failed retailer. The Distribution</p>	<p>AEMO notes AGL's support for the proposal.</p> <p>AEMO has included the proposed note to the T1005 information.</p>



IN#	Ref #	Organisation	Response	AEMO Response
			Business will work with the RoLR to resolve the status and outcome of these MIRNs."	
	16	AGN	<p>AGN no longer sees the need for either of the proposed options (i.e., A or B) for this GMI due to the outcome of participant-initiated workshops. That the changes to the Mandatory/Optional values for the Meter related elements in T1005 that would have been required for option A are now no longer required.</p> <p>AGN supports the suggestion agreed at the workshops for Distribution Businesses to create list of Decommissioned MIRNs without Meters to the ROLR separate to the T1005.</p> <p>AGN also supports the change to the note for T1005 sections in all jurisdictional industry procedures agreed with participants as per below...</p> <p><i>"In the event of a Retailer of Last Resort (RoLR) event, the Distribution Business will promptly provide the designated RoLR(s) with a list of Decommissioned MIRNs where upstand/service is live with no meter attached which are associated with the failed retailer. The Distribution Business will work with the RoLR to resolve the status and outcome of these MIRNs."</i></p>	AEMO notes AGN's comment. AEMO has included the proposed note to the T1005 information.
	17	Energy Australia	Yes	AEMO notes Energy Australia's support for the proposal.
	18	Jemena	<p>Jemena would like to note that we support this with the additional amendment to clarify the scenario submitted by Mark Riley -</p> <p><i>"In the event of a Retailer of Last Resort (RoLR) event, the Distribution Business will promptly provide the designated RoLR(s) with a list of Decommissioned MIRNs where upstand/service is live with no meter attached which are</i></p>	AEMO notes Jemena's comment. AEMO has included the proposed note to the T1005 information.



IN#	Ref #	Organisation	Response	AEMO Response
			<i>associated with the failed retailer. The Distribution Business will work with the RoLR to resolve the status and outcome of these MIRNs.”</i>	
	19	Multinet	MGN would like to propose that the rule states ‘In the event of a Retailer of Last Resort (RoLR) event, the Distribution Business will promptly provide the designated RoLR(s) with a list of Decommissioned MIRNs where upstand/service is live with no meter attached which are associated with the failed retailer. The Distribution Business will work with the RoLR to resolve the status and outcome of these MIRNs.’	AEMO notes MGN’s comment. AEMO has included the proposed note to the T1005 information.
	20	Origin Energy	Origin supports the proposal to make the following fields “Required” within Transaction 1005. Meter_Serial_Number Meter_Type_Size_Code Current_Index_Value Current_Read_Date Scheduled_Reading_Day_Number Please see feedback below on wording changes for PBP1 – CSV Data format Specification and FRC B2B System definitions.	AEMO notes Origin Energy’s support for the proposal.
	21	Red/Lumo	Red and Lumo support option A which ensures both parties are aware of the Deregistered MIRN for which the failed retailer was formerly FRO.	AEMO notes Red/Lumo’s comment. AEMO understands that all distribution businesses (who are obliged to provide this information)



IN#	Ref #	Organisation	Response	AEMO Response
				that responded to the PPC have indicated their support. AEMO has included the proposed note to the T1005 transaction. AEMO also refers to the feedback from AGN in Ref 16 above.
IN009/22	22	AGL	AGL supports AEMO's assessment.	AEMO notes AGL's support for the proposal.
	23	AGN	Yes, however in relation to previous AGN GMI response as per below.... <i>"Delivery method for CSV transactions</i> <i>A further amendment is suggested. Preference would be to specify the ROLR delivery method for each ROLR in addition to adding the statement "or as agreed method between the parties and not via the FRC Hub" to reduce delays in data delivery. This would also need to be updated in SA FRC B2B System Interface Definitions document in addition to Participant Build Pack 1 – CSV Data Format Specification."</i> Will AEMO be requesting a specific preferred delivery method from each RoLR to be added to procedures?	AEMO notes AGN's support. In relation to the proposal to include 'a specific preferred delivery method from each RoLR', AEMO's view is this is not warranted. Allowing parties to agree the method of delivery when a RoLR event occurs creates flexibility in terms of utilising the most cost effective approach now and into the future.
	24	Energy Australia	Yes	AEMO notes EnergyAustralia's support for the proposal.
	25	Jemena	Jemena supports this.	AEMO notes Jemena's support for the proposal.
	26	Multinet	MGN agrees with this proposal	AEMO notes MGN's support for the proposal.
	27	Origin Energy	Origin supports the proposed change.	AEMO notes Origin Energy's support for the proposal.



IN#	Ref #	Organisation	Response	AEMO Response
	28	Red/Lumo	Red and Lumo support AEMO's assessment of the proposed change.	AEMO notes Red/Lumo's support for the proposal.
IN008/17	29	AGL	AGL supports AEMO's assessment.	AEMO notes AGL's support for the proposal.
	30	AGN	Yes	AEMO notes AGN's support for the proposal.
	31	Energy Australia	Yes	AEMO notes EnergyAustralia's support for the proposal.
	32	Jemena	Not relevant to Jemena.	AEMO notes Jemena's comment.
	33	Multinet	No impact to MGN	AEMO notes MGN's comment.
	34	Origin Energy	Origin supports the proposed change.	AEMO notes Origin Energy's support for the proposal.
	35	Red/Lumo	Red and Lumo support AEMO's assessment of the proposed change.	AEMO notes Red/Lumo's support for the proposal.
IN008/20	36	AGL	AGL supports AEMO's assessment.	AEMO notes AGL's support for the proposal.
	37	AGN	Yes	AEMO notes AGN's support for the proposal.
	38	Energy Australia	Yes	AEMO notes EnergyAustralia's support for the proposal.
	39	Jemena	Not relevant to Jemena.	AEMO notes Jemena's comment.
	40	Multinet	No impact to MGN	AEMO notes MGN's comment.



IN#	Ref #	Organisation	Response	AEMO Response
	41	Origin Energy	Origin supports the proposed change.	AEMO notes Origin Energy's support for the proposal.
	42	Red/Lumo	Red and Lumo support AEMO's assessment of the proposed change.	AEMO notes Red/Lumo's support for the proposal.

Section 2 – Confirmation of proposed changes in feedback to the Gas Market Issue (GMI) for Participant Build Pack 1 – CSV Data Format Specification and FRC B2B System Interface Definition.

Please indicate if you Agree or Disagree with the proposed change. AEMO will determine if the change will be included for the second round (IIR) consultation.

Proposed by	Proposed change	Ref #	Organisation	Agree or Disagree (give reason)	AEMO Response
AGL	Adding the field Life Support Status with following options, <ul style="list-style-type: none"> • Registered - No Medical Confirmation • Registered - Medical Confirmation • None To the transaction T1010	43	AGL	Support	AEMO notes AGL's support.
		44	AGN	Not relevant to AGN. T1010 relates to Retailers and AEMO.	AEMO notes AGN's comment.
		45	Energy Australia	Agree	AEMO notes EnergyAustralia's support.
		46	Jemena	Agree	AEMO notes Jemena's support.
		47	Origin Energy	Agree	AEMO notes Origin Energy's support.
		48	Red/Lumo	Red and Lumo support the inclusion of the field and the proposed status options, noting that the RoLR will need to perform a reconciliation to confirm at which sites the DB is 'RegistrationOwner', indicating which customers the RoLR would need to contact to confirm Life Support Status at a later date.	AEMO notes Red/Lumo's support.
AGL and Origin	Adding the following fields, <ul style="list-style-type: none"> • Billing Preference (E-Billing or Paper) • Billing Frequency (Monthly or B—Monthly or Quarterly or Other) To the transaction T1010	49	AGL	Support	AEMO notes AGL's support.
		50	AGN	Not relevant to AGN. T1010 relates to Retailers and AEMO.	AEMO notes AGN's comment.
		51	Energy Australia	Agree	AEMO notes EnergyAustralia's support.
		52	Jemena	Agree	AEMO notes Jemena's support.



Proposed by	Proposed change	Ref #	Organisation	Agree or Disagree (give reason)	AEMO Response
		53	Origin Energy	Agree	AEMO notes Origin Energy's support.
		54	Red/Lumo	Red and Lumo agree as the inclusion of these fields will improve the experience of consumers impacted by a RoLR event, providing the RoLR with the ability to maintain a customer's billing format and frequency.	AEMO notes Red/Lumo's support.
AGL	Change the field Average Daily Load from 'M' to 'R' in the transaction T1010	55	AGL	Support	AEMO notes that in gas retail market the attributes used are Mandatory(M) or Optional(O) or Not Required(NR). The attribute Required(R) is not in use in gas retail market. AEMO will amend the data definitions to revert to Optional(O) and indicate 'Required where available' in the Comments column.
		56	AGN	Not relevant to AGN. T1010 relates to Retailers and AEMO.	AEMO notes AGN's comment.
		57	Energy Australia	Agree	AEMO notes Jemena's comment and refers to the response in Ref 55.
		58	Jemena	Agree	AEMO notes Jemena's comment and refers to the response in Ref 55.
		59	Origin Energy	Agree	AEMO notes Origin Energy's comment and refers to the response in Ref 55.
		60	Red/Lumo	Red and Lumo disagree with amending the M/O field: see Item 4.	AEMO notes Red/Lumo's comment and refers to the response in Ref 55.

Proposed by	Proposed change	Ref #	Organisation	Agree or Disagree (give reason)	AEMO Response
Red/Lumo	Red/Lumo do not support the use of 'Required' in Gas technical protocol documents.	61	AGL	<p>The Introduction of required becomes a useful tool to identify fields which are technically 'Optional' but provide an obligation on the participant to provide the data where it is available.</p> <p>This obligation is used elsewhere, but the drafting has been complicated by not recognizing 'Required' as a data option.</p>	AEMO notes AGL's comment and refers to the response in Ref 55.
		62	AGN	Not relevant to AGN. T1010 relates to Retailers and AEMO.	AEMO notes AGN's comment.
		63	Jemena	Agree if Red/Lumo are after more certainty as to whether the information is 'mandatory' or 'not required'.	AEMO notes Jemena's comment and refers to the response in Ref 55.
		64	Origin Energy	Disagree. Origin agrees with AEMO's response that 'Optional' could be interpreted as 'no need to provide'.	AEMO notes Origin Energy's comment and refers to the response in Ref 55.
		64	Red/Lumo	Red and Lumo suggest a more consistent approach would be to amend the Comment field with a caveat of 'If held', rather than introducing the term 'Required'.	AEMO notes Red/Lumo's comment and refers to the response in Ref 55.
Origin	Change the field Rebate Code from 'Optional' to 'Required' in the transaction T1010	66	AGL	Agree	AEMO notes AGL's comment and refers to the response in Ref 55.
		67	AGN	Not relevant to AGN. T1010 relates to Retailers and AEMO.	AEMO notes AGN's comment.



Proposed by	Proposed change	Ref #	Organisation	Agree or Disagree (give reason)	AEMO Response
		68	Energy Australia	Agree	AEMO notes EnergyAustralia's comment and refers to the response in Ref 55.
		69	Jemena	Agree	AEMO notes Jemena's comment and refers to the response in Ref 55.
		70	Origin Energy	Agree	AEMO notes Origin Energy's comment and refers to the response in Ref 55.
		71	Red/Lumo	Red and Lumo disagree with amending the M/O field: see Item 4.	AEMO notes Red/Lumo's comment and refers to the response in Ref 55.
Origin	Include the following additional supplementary commentary in comment column, 'Mandatory if there is a value in the Rebate Code'	72	AGL	Agree	AEMO notes AGL's support.
		73	AGN	Not relevant to AGN. T1010 relates to Retailers and AEMO.	AEMO notes AGN's comment.
		74	Jemena	Agree	AEMO notes Jemena's support.
		75	Origin Energy	Agree	AEMO notes Origin Energy's support
		76	Red/Lumo	Origin have clarified that this relates to Pensioner_Or_HealthCare_CardNumber	AEMO notes Red/Lumo's comment and considers they indicate agreement with the proposed change.

Section 3 - Feedback on the documentation changes.

Retail Market Procedures (South Australia)					
Ref #	Organisation	Clause #	Issue / Comment	Proposed text Red strikeout means delete and <u>blue underline</u> means insert	AEMO Response
77	AGL		No further comments		
Participant Build Pack 1 – CSV Data Format Specification					
Ref #	Organisation	Clause #	Issue / Comment	Proposed text Red strikeout means delete and <u>blue underline</u> means insert	AEMO Response
78	AGL	T1005		Replace <u>Note: During a RoLR event, where there are MIRNS without meters assigned to the failed retailer, the Distribution Business will liaise with the RoLR to provide appropriate details for the RoLR to take responsibility for these MIRNS.</u> with “Note: In the event of a Retailer of Last Resort (RoLR) event, the Distribution Business will promptly provide the designated RoLR(s) with a list of Decommissioned MIRNs where upstand/service is live with no meter attached which are associated with the failed retailer. The Distribution Business will work with the RoLR to resolve the status and outcome of these MIRNs.”	AEMO agrees with AGL’s proposed change.



79	AGN	6.18 Page 38	Add note below Transaction 1005 table as agreed by participant at workshops.	"In the event of a Retailer of Last Resort (RoLR) event, the Distribution Business will promptly provide the designated RoLR(s) with a list of Decommissioned MIRNs where upstand/service is live with no meter attached which are associated with the failed retailer. The Distribution Business will work with the RoLR to resolve the status and outcome of these MIRNs."	AEMO agrees to include the proposed note to the T1005 transaction.
80	Origin Energy	6.19 (T1010)	<p>AEMO have opted to remove the proposed field MDQ from the T1010 as it is provided as "Authorised_site-MDQ" in the transaction INT604.</p> <p>Can AEMO clarify:</p> <ol style="list-style-type: none"> 1. Will the RoLR be able to ascertain the MIRN's MDQ from the IN604 (or equivalent) for all states? If not, the MDQ field needs to be reinstated as a proposed field in the T1010. <p>Can AEMO confirm the timing of the INT604 report following a Gas RoLR event. Please note this information is required soon after a RoLR event is triggered for Trading positions and contract management. Consequently, if the timing of the INT604 is not provided before the receipt of the T1010, then the MDQ field needs to be reinstated as a proposed field in the T1010.</p>		AEMO notes Origin's comment. AEMO notes that according to Participant Build Pack 1 - Process Flow Diagrams, Clause 2.6 Diagram 13.5 – Wholesale Process, the Authorised site MDQ is provided by AEMO in the MIBB report INT604 which is provided immediately after a RoLR event is declared. AEMO notes that the report INT604 is described only in the RoLR process flows for Victoria.
81	Origin Energy	6.18 Account Creation	Relace wording in the note for enhanced instruction	Note: During a RoLR event, where there are MIRNS without meters assigned to the failed retailer, the Distribution Business will liaise with the RoLR to provide appropriate details for the RoLR to take responsibility for these MIRNS.	AEMO agrees to include the proposed note to the T1005 transaction.



				<p>Note: In the event of a Retailer of Last Resort (RoLR) event, the Distribution Business will promptly provide the designated RoLR(s) with a list of Decommissioned MIRNs where upstand/service is live with no meter attached which are associated with the failed retailer. The Distribution Business will work with the RoLR to resolve the status and outcome of these MIRNs.</p>																	
82	Red/Lumo	7. DATA DICTIONARY	<p>Email Address is already described as a String in: FRC B2B System Interface Definition, Appendix A.1 aseXML Data Elements</p> <table border="1"> <thead> <tr> <th>ASEXML ELEMENT NAME</th> <th>ELEMENT NAME</th> <th>ATTRIBUTES / FORMAT</th> <th>LENGTH /DECIMAL PLACES</th> </tr> </thead> <tbody> <tr> <td>Customer /EmailAddress</td> <td>Email Address</td> <td>String</td> <td>100</td> </tr> </tbody> </table>	ASEXML ELEMENT NAME	ELEMENT NAME	ATTRIBUTES / FORMAT	LENGTH /DECIMAL PLACES	Customer /EmailAddress	Email Address	String	100	<table border="1"> <thead> <tr> <th>CSV DATA ELEMENT NAME</th> <th>ATTRIBUTE /FORMAT</th> <th>LENGTH /DECIMAL PLACES</th> <th>ALLOWED VALUES /COMMENT</th> </tr> </thead> <tbody> <tr> <td>Email_Address</td> <td>Char String</td> <td>100</td> <td></td> </tr> </tbody> </table>	CSV DATA ELEMENT NAME	ATTRIBUTE /FORMAT	LENGTH /DECIMAL PLACES	ALLOWED VALUES /COMMENT	Email_Address	Char String	100		AEMO agrees with Red/Lumo’s suggestion and has amended the format to ‘String’.
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Customer /EmailAddress	Email Address	String	100																		
CSV DATA ELEMENT NAME	ATTRIBUTE /FORMAT	LENGTH /DECIMAL PLACES	ALLOWED VALUES /COMMENT																		
Email_Address	Char String	100																			
FRC B2B System Interface Definitions																					
Ref #	Organisation	Clause #	Issue / Comment	<p>Proposed text</p> <p>Red strikeout means delete and <u>blue underline</u> means insert</p>	AEMO Response																
83	AGL		No further comment																		
84	AGN	Appendix G Section 5 Page 263	<p>Add note below Transaction 1005 table as agreed by participant at workshops.</p>	<p>“In the event of a Retailer of Last Resort (RoLR) event, the Distribution Business will promptly provide the designated RoLR(s) with a list of Decommissioned MIRNs where upstand/service is live with no meter attached which are associated with the failed retailer. The Distribution Business will work with the RoLR to resolve the status and outcome of these MIRNs.”</p>	AEMO agrees to include the proposed note to the T1005 transaction.																



85	Origin Energy	S4 MIRN Standing Data (T1010)	Refer to above comments with relation to the removal of the MDQ field in PBP1 – CSV Data format specification										
86	Origin Energy	S5 Account Creation	Relace wording in the note for enhanced instruction	<p>Note: During a RoLR event, where there are MIRNS without meters assigned to the failed retailer, the Distribution Business will liaise with the RoLR to provide appropriate details for the RoLR to take responsibility for these MIRNS.</p> <p><u>Note: In the event of a Retailer of Last Resort (RoLR) event, the Distribution Business will promptly provide the designated RoLR(s) with a list of Decommissioned MIRNs where upstand/service is live with no meter attached which are associated with the failed retailer. The Distribution Business will work with the RoLR to resolve the status and outcome of these MIRNs.</u></p>	AEMO agrees to include the proposed note to the T1005 transaction.								
87	Red/Lumo	Appendix A. Data Dictionary A.1 aseXML Data Elements	<p>Email Address is described as a String here.</p> <table border="1"> <thead> <tr> <th>ASEXML ELEMENT NAME</th> <th>ELEMENT NAME</th> <th>ATTRIBUTES / FORMAT</th> <th>LENGTH /DECIMAL PLACES</th> </tr> </thead> <tbody> <tr> <td>Customer /EmailAddress</td> <td>Email Address</td> <td>String</td> <td>100</td> </tr> </tbody> </table>	ASEXML ELEMENT NAME	ELEMENT NAME	ATTRIBUTES / FORMAT	LENGTH /DECIMAL PLACES	Customer /EmailAddress	Email Address	String	100		AEMO agrees with Red/Lumo’s suggestion and has amended the format to ‘String’.
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Customer /EmailAddress	Email Address	String	100										
SA/WA Interface Control Document													
Ref #	Organisation	Clause #	Issue / Comment	Proposed text Red strikeout means delete and <u>blue underline</u> means insert	AEMO Response								
88	AGL		No further comment										
Information Pack Usage Guideline													



Ref #	Organisation	Clause #	Issue / Comment	Proposed text Red-strikeout means delete and <u>blue underline</u> means insert	AEMO Response
89	AGL		No further comment		