B2B Procedures

- Service Orders
- Customer and Site Details
- Meter Data
- One Way Notification
- RoLR Part B

Retail Electricity Market Procedures – Glossary and Framework.

CONSULTATION

CONSULTATION PARTICIPANT RESPONSE TEMPLATE

***Participant**: ENERGYAP (LNSP) / TCAMP (MPB) / TCAUSTM (MDP)*

***Completion Date**: 23rd November 2016*

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1. Service Orders

Old Clause No	New Clause No	Comments
General Comment		Ausgrid notes that a recent IEC directive will significantly change the content of B2B documents being reviewed in Consultation 1. Changes to obligations and timings will be added to the B2B Procedure documents and B2B Guides and will need to be reviewed once available in Consultation 2. Noting that the B2B Procedure Technical Delivery Specification is not available, an appropriate Consultation 1 response cannot be properly given without all B2B documentation being available for review. ***1.2 (c)*** *In the event of any inconsistency between this Procedure and the B2B Procedure: Technical Delivery Specification or the B2B Procedure Technical Guidelines for B2B Procedures (together referred to as the "B2B Technical Procedures"), unless this Procedure provides otherwise, the relevant B2B Technical Procedure shall prevail to the extent of the inconsistency.*
1.2.d	2.1.2.n	Service orders that need coordination should only be allowed to be used where there is formal agreement between the relevant parties.

	2.13.1 Table 3	An Exception Code for “Tariff Change Not Approved’ is also required.
	Table 1 Service Order Types and Subtypes	Insert the sentence “This service order is not required in NSW while the Accredited Service Provider Scheme is in operation for service works.” Also, please add into the Description column the following Service Order and Service Order Sub Type combinations: • Supply Service Works, Supply Alteration • Supply Service Works, Establish Temporary Supply • Supply Service Works, Establish Temporary in Permanent • Supply Service Works, Establish Permanent Supply • Supply Service Works, Temporary Isolation
	Table 1 Service Order Types and Subtypes	Reinstate the SO subtypes for Re-energisation as it is necessary to know why the Re-En is being requested. For example Re-En after DNP must be completed within obligated timeframes else it is considered a NECF Type 1 breach: • After disconnection for non-payment • New Reading Required • Retrospective Move In • Sticker Removal Add new sub types of ‘Remote‘ and ‘Move In’. For De-energisation SOs need to add a sub type of ‘Shared Isolation Point’ so it is clear to the recipient that they need to co-ordinate multiple parties for a de-energisation.

	2.13.1 Table 3	An Exception Code is required to indicate that work could not be completed because the disconnection point is common with other customers (where there is a shared fuse for multiple connections). This will provide better information and allow the Initiator to decide what to do next. We suggest adding a new Exception Code of 'Shared Isolation Point', and the definition would be 'Unable to perform the requested work because the disconnection point is common with other customers', and the Used with ServiceOrderStatus would be 'Not Completed'.
	2.13.4.	Add a new clause – The Initiator must always nominate the DNSP as a Notified Party when raising a De-Energisation service order.
	2.5 Where work will not be completed within the Required Timeframe ***a)*** *The obligations under this clause do not apply to non-regulated businesses.* ***2.13.3 Re-energisation*** ***a)*** *The obligations under this clause do not apply to non-regulated businesses.* ***2.13.4 De-energisation*** ***a)*** *The obligations under this clause do not apply to non-regulated businesses.*	Ausgrid does not support the update of B2B Service Order Procedures that specifically excludes non-regulated business processes. 'Power Of Choice' metering is by definition non-regulated. if non-regulated metering is being excluded from the B2B Service Order Procedures because of a cost-benefit trade-off then all other changes should be assessed on the same basis. Services provided by non-regulated businesses impact on regulated businesses. Market Participants are entitled to understand how the industry intends to operate with the inclusion of the Minimum Services Functionality. For example, the industry needs to confirm how Multiple Services Orders will be specifically resolved to ensure NECF breaches do not occur due to the existence of regulated and non-regulated Service Orders. Ausgrid is confused because non-regulated business processes are excluded from the B2B Service Order Procedures, yet functionality is being updated to support non-regulated businesses. Ausgrid note

	2.13.7 Multiple Service Orders ***a)*** *The obligations under this clause do not apply to non-regulated businesses.* ***3.3 Specific Timing Requirements*** ***b)*** *The obligations under this clause do not apply to non-regulated businesses.*	the following points to highlight our confusion:- • 2.1.(c) Table 1. A Service Order Sub Type of 'Remote' has been added to the De-energisation Service Order Type. If the procedures are excluding non-regulated businesses from De-energisation why has 'Remote' been added to the procedure? • Exchange Meter has been added as a Service Order Sub Type. This can only be sent to non-regulated businesses. If the procedures are excluding non-regulated businesses why has this been added to the procedure? • Minimum Functionality Services have been added to the Meter Data Process Procedures. Why has non-regulated business work been added to some B2B Procedures but not others? • Processes to support non-regulated businesses have been added into the Customer and Site Detail Procedures with the introduction of a Pre-Installation Data Request. Why has non-regulated business work been added to some B2B Procedures but not others? The industry needs to determine the purpose of the B2B Procedures with regards to the Minimum Functionality Services. Non-regulated business procedures should either be fully included, or fully excluded from the B2B Procedures. Short time frames for procedural update should not stop the most appropriate industry solution from being developed.

2.1 Process Overview	2.1 Process Overview	Meter Installation Inquiry and Remote On Demand Meter Read should be added to the B2B Service Order Procedure instead of being included in the Meter Data Process Procedure. Ausgrid believe that request functionality should be carried out via a Service Order Request and therefore do not belong in the B2B Meter Data document. The B2B Meter Data processes are carried out by the MDP today. The services that have been added will be carried out by the MPB or MC. The Meter Installation Inquiry and Remote On Demand Meter Read could be requested using the B2B Service Order logic without change to any structure. Only enumerations would need to be updated, significantly limiting the build costs for existing participant. Two examples, Remote On Demand and Meter Inquiry Requests. SO TYPE (Special Read) SO SUB TYPE (On Demand) REASON (Product1) SO TYPE (Special Read) SO SUB TYPE (Meter Inquiry) REASON (Product1) Ausgrid suggest that adding Service Order Sub Types of On Demand and Meter Inquiry with Reasons of Product 1 - 5 would allow all parties to have their own solution and does not impact on innovation. It is noted that a 'Reason' is being added for De-energisation Service Orders and could also be used to describe the product delivery requested by the initiator. Recipients of the

		request would advise each initiator of what their Product 1 to Product 5 means in terms of delivery. The above request is in line with 'Remote' being added to the B2B Service Order Procedures to facilitate other Minimum Functionality Service processes.
1.5	***(a)*** *A Participant must use the agreed industry standard of aseXML messaging to deliver Transactions pursuant to this Procedure.*	Ausgrid disagrees with the removal of clause 1.5 (a). Participants need to use aseXML to pass Service Order Requests.
	2.1.1. General Principles ***h) iv)*** *Include details of Notified Parties* ***(o)*** *The Initiator must identify and include details of Notified Parties using the NotifiedPartyID in the ServiceOrderRequest. Refer to the B2B Guide for further information regarding Service Order and Notified Party combinations.* ***(p)*** *A Participant who is a Notified Party for a service*	Ausgrid note that the solution for 'Notified Parties' relating to the B2B Service Order Procedures remains undefined. We therefore cannot comment on clauses detailing 'Notified Parties' at this point in time.

	order, will receive the message as a Service Order copy.	
	2.1 Table 1	Ausgrid note that Service Order Sub Types of 'Re-energisation' have been removed from the B2B Procedures. The Service Order Sub Types today drive specific business functionality in Ausgrid systems. We do not see the case to incur the cost to build new processes to accommodate this. Ausgrid suggest that existing Sub Types remain in the B2B Procedures.
	4.4.1.a	The procedure suggests that multiple event code can be provided, however it does not explain how this can be done. The procedure should clarify if multiple event codes must be sent in separate business acceptance rejection transactions or if multiple event codes can be sent in the one business acceptance rejection transaction.

2. CSDN

Old Clause No	**New Clause No**	Comments
1.5	***(a)*** *A Participant must use the agreed industry standard of aseXML messaging to deliver Transactions pursuant to this Procedure.*	Ausgrid disagrees with the removal of clause 1.5 (a). Participants need to use aseXML to pass Customer and Site Detail Requests.
	Clause from the B2b Guide. ***4.2. Customer and Site Details Notification*** ***4.2.1. Customer Details Request*** *(a) The Customer Details Request can be initiated either by a DNSP or by an MP. It is always directed to a Retailer who retains the master copy of this information as they are the principal contact point with the Customer. As with the existing procedures the DNSP,*	Ausgrid believe the most appropriate role to be added as an initiator of a Customer Details Request is the MC, not the MP as added in the B2B Guide. The New MP has the greatest use of these details and would require this information for outage management / remote disconnection etc, but the New MP is not a valid market contract at this point in time. The Retailer (Recipient) of a Customer Details Request will validate the Initiator's request against the current market roles. Only the MC would be updated in MSATS at this point in time. Ausgrid request one of the options below, otherwise the addition of a new initiator to the Customer Details Request will be of little use: a) The Customer Details Request is allowed for a Prospective MP with an open Change Request or

	if they become aware of Life-support are to contact the Retailer by email and phone and advise the Retailer to update their records. In this way the Retailer is retained as the 'database of record for this information'	b) The Customer Details Request is available to the current MC and current MP. Ausgrid also note that subsequent automated updates to customer details should be sent to the DNSP and MC (or additional role as above) automatically when a Retailer's information is updated, not just the DNSP. Sending information to the DNSP and MC automatically will stop the Retailer system being flooded with transactions from multiple participants.
	(b) A Retailer must initiate a CustomerDetailsNotification if it becomes aware of changes to customer outage details or a Life Support situation arises.	Ausgrid would like this clause to include the obligation to send the information to all roles that can initiate a Customer Details Request, not just the DNSP.
	4.3.1. Initiating a Customer Details Notification *(c) Retailers must send the relevant Notification to the DNSP,* *MPB (and MC as required) whenever they become aware of Customer Changes*	Clause 4.3.1 c) mentions the MC for the first time. Ausgrid agree the MC should be able to use the Customer Details Request and receive automatic updates from Retailers when customer details change. Ausgrid suggests that all references to initiating roles is removed from the procedure and replaced with 'Initiator' to be consistent with other B2B Procedure documents. The B2B Guide needs to be sufficiently updated to clearly define the parties that can request and receive B2B transactions.
	4.3.2 – Section C	Currently the Customer Detail Notification process does not provide scope for an initiator to provide supporting evidence when the life support flag is no longer required. Where the requirements for Life Support are no longer required, We suggest an additional field be included in the Customer Detail Notification allowing the initiator to advise the recipient the reason

		for the removal. Suggested reason codes include: • Deceased estate • Failed to provide medical certificate • Churn did not occur • Medical equipment no longer required
	4.6. Site Access Notification ***(****e) A Retailers must send the relevant Notification to the other related parties (DNSP, MPB (and* *MC as required)) whenever they become aware of Site Access Changes (Changes).* *(f) Other parties (DNSP, MC/MP) can only send a SiteAccessNotification on receipt of a valid* *SiteAccessRequest.* *(g) Parties must not generate a new SiteAccessNotification when they update their* *systems as a result of an incoming*	Clauses in this section are incorrectly formatted and begin with (e) instead of (a) The line starting with "The DNSP and MPB can only use this transaction to obtain mass updates of information once the timing has been agreed with the relevant Retailer." Should be a new clause. It should state 'Initiator' instead of DNSP and MPB, otherwise an MC is allowed to obtain mass updates using this transaction.

	SiteAccessNotification from another party. *(h) The Recipient must provide a SiteDetailsNotification in response to a valid SiteAccessRequest.* *The DNSP and MPB can only use this transaction to obtain mass updates of information once* *the timing has been agreed with the relevant Retailer.*	
	5.*1. CustomerDetailsRequest Transaction Data* ***Table 3 Data Requirements for CustomerDetailsRequest B2B Transaction*** • *Transfer Complete, no CDN Received (DNSP only)*	Ausgrid believe that all roles are entitled to raise a Customer Details Request with reason 'Transfer Complete, non CDN Received'. It is the responsibility of the incoming FRMP to ensure that all roles are updated with the latest Customer Detail information. Where an MC is not sent the new Customer Details following a FRMP transfer, the MC is entitled to request request the information, noting that the FRMP has not fulfilled its obligations under the CSDN Procedures. 'MBP' is also incorrectly updated several times in this section, should be 'MPB'
	5.1 CustomerDetailsRequest	The CustomerDetailsRequest table is not consistent with other B2B

		Procedures. The following fields need to be included in the request: • InitiatorID • InitiatorRole • RecipientID Ausgrid does not accept this transaction can be requested in any other format outside of aseXML if the above have been intentionally removed.
	5.2. Customer Details Notification *Sensitive Load* *LifeSupport* *SensitiveLoad* VARCHAR(20) M This field indicates whether or not there are economic, health or safety issues with loss of *supply* of the *connection point*. Allowed Values Life Support Sensitive Load – add types of Sensitive Load here. None The value 'None' field must be providedalso applicable where	Ausgrid notes that the value of 'Life Support' has been removed from the 'SensitiveLoad' field. Ausgrid notes that a new field called 'LifeSupport' with (Y/N) has been added. A SensitiveLoad value of 'Life Support' provides the same notification to the Recipient as a Life Support field with Y/N. Market Participants have significant logic around the Life Support value in the SensitiveLoad field. Changes to this logic will come at a significant cost of system update and regression testing. Can we please justify the specific driver for this change? Could changing the 'SensitiveLoad' field name achieve the same outcome for the industry participants looking to update these fields? We are also concerned that changes are being made to the SMP that do not relate to the goals of enabling smart meters, but is another separate rule change that won't be finalised until late 2017. We strongly support de-scoping this change from this round of development.

	if the Site is vacant (refer 2.2.3.42.2.4.4). The value 'Life Support' applies to the customer at the Connection Point, where a customer relies on the life support equipment. The value 'Sensitive Load' is used to indicate that the RetailerCurrent FRMP reasonably believes there are economic, health or safety issues with loss of supply of the Connection Point, other than Life Support ones. Where Life Support and Sensitive Load both appliesy to a Connection Point, the *Life Support value* must be set to Y.value must be provided. *LifeSupport* VARCHAR(1) M Y/N - only values allowable – field is mandatory	
	4.7. Pre-Installation Data Request **5.5. PreInstallationDataRequest Data** **5.6.**	**Ausgrid disagrees with the use of the Pre-Installation Data Request transaction.** Ausgrid believe the Pre-installation Data Request transaction is an inefficient method of delivering information to the New MPB when existing infrastructure could be used to implement the same

	PreInstallationDataResponse Data	solution. The transaction is inefficient in terms of:- • Costs to build per participant • Reliability of information • Time to obtain information **Background:** Market rules today obligate the current MPB to update metering information into MSATS. The information must be updated into MSATS within 5 business days of the physical meter change. MSATS has a C7 report that can be requested by the New MPB when a Change Request proposes the New MPB (REQ Status). **Costs to build per participant:** The Pre-Installation Data Request requires **every** MPB (regulated and non-regulated) to build a B2B interface for metering information. The MPB's already supply 90% of the information to MSATS today, so building an additional B2B interface is hard to justify. To obtain the same outcome a **single** participant (AEMO) can have data populated into MSATS and distribute information using the existing C7 report (after update). The cost for AEMO to update the C7 report is significantly cheaper than for every MPB to build a new B2B interface. **Reliability of Information:** The Pre-Installation Data Response notes the fields that are mandatory, required or optional. The old MPB is only required to

		populate the required fields if they have them in their database. It is a fair assumption to believe that if the MPB has the fields requested the information would already be in MSATS. If data is taken from MSATS to fulfil this request for metering information the new participant is not reliant on the response times of the old participant. In conclusion Ausgrid's view is that the C7 report from MSATS should be utilised to provide this information to the new MP. With the exception of Network Tarfiff Code, all of the mandatory fields are available in this report. Utilising the C7 report for this process is a cost effective solution which would also reduce risk to the PoC program. MSATS is the database of record for Network Tariff information. Obtaining this information from the old MPB will not include the LNSP updates that have occurred in MSATS and will cause errors upon population (MPB is mandated to update the Network Tariff) Businesses are much more likely to automate systems using fields from MSATS with obligations to populate as opposed to a B2B request where only 5 of the 22 fields are mandatory. **Time to Obtain:** Using the B2B Pre-installation Request will be a least two days slower than using a C7 Report. Using the B2B Pre-installation Request or C7 Report from MSATS still requires the new participant to raise a C7 Report. To request a Pre-Installation Data Request the new MBP must find out who the old MPB is, this can only be done via the C7 report (or by

contacting the Retailer or MC)

The New MPB must wait until the Change Request reaches a PEND Status before raising a Pre-Installation Data Request (one day for objections to clear). It is likely the new MPB will wait another day for the Old MPB to respond to their request. Therefore it will take a least two days to obtain the metering information required. Using the C7 report the information would be available on the same day the Change Request reaches the REQ Status and the process would be completed in one step.

Comparison of data elements:

Pre-installation Data Request Vs MSATS fields.

All Mandatory fields proposed in the Pre-Installation Data Request exist in MSATS today as mandatory populated fields. Only Network Tariff would need to be added to the C7 report._

Metering Installation Inquiry Response Field	Use	MSATS Field Name	C7 Report Field Name
NMI	M	NMI	NMI
SiteAddress	M	Address	Address
MeterSerial Number	M	Meter Serial ID	Meter Serial Number
MeterInstallCode	M	Meter Install Code	Installation Type Code
Network Tariff	M	Network Tariff Code	Not provided

Most Required fields proposed in the Pre-Installation Data Request exist in MSATS today as optional populated fields or can be derived from the existing information. This 'Optional' population is no different from them being 'Required'. The C7 report could export the required information.

The fields marked as 'Not in MSATS' could be added in a future release. It is noted that many MPB's would not have this information available in their databases today.

Metering Installation Inquiry Response Field	Use	MSATS Field Name	C7 Report Field Name
Equipment Type	R	Can be derived from NTC if equipment is on site	Not provided
Load Type	R	Derive from NTC or controlled load flag in MSATS Y/N	Derive from NTC
Supply Phases	R	Can be Derived from Meter Type and Meter Model	Not provided
Generation Type	R	Can be derived from NTC	Not provided

		that generation exists	
Transformer Type	R	Transformer Type	Not provided
CTRatio	R	Transformer Ratio	Not provided
Multiplier	R	Multiplier	Multiplier
Meter Location	R	Meter Location	Not provided
AccessDetails	R	Same as Meter Location from an MPB perspective	Not provided
HazardDescription	R	Meter Hazard	Not provided
Primary Voltage	R	Not in MSATS	Not provided
Latitude/Longitude	R	Not In MSATS	Not provided
Longitude	R	Not in MSATS	Not provided
Existing Defects	R	Not in MSATS	Not provided

Optional fields proposed in the Pre-Installation Data Request exist in MSATS today as optional populated fields.

Metering Installation Inquiry Response Field	Use	MSATS Field Name	C7 Report Field Name	Required as per S7.1.2?	Definition

NMIChecksum	O	NMI Checksum	NMI Checksum	-	NMI Checksum for the connection point missing data.
SpecialNotes	O	Additional Site Details	Not provided	(a) (1)	Any special note the Initiator wishes to convey to the Recipient

Ausgrid therefore request a review of the Pre-Installation Data Request as the most efficient method of delivering metering information, now and in the future. The industry should look to use 'best practice' not introduce a new B2B Procedure that stretches develop times and at significant cost to participants.

3. Meter Data

Old Clause No	New Clause No	Comments
1.5	***(a)*** *A Participant must use the agreed industry standard of aseXML messaging to deliver Transactions pursuant to this Procedure.*	Ausgrid disagrees with the removal of clause 1.5 (a). Participants need to use aseXML to pass PMD / VMD Requests.
2.1 Table 1	*2.1 Process Overview Table 1* ***2.2.5. Metering Installation Inquiry Process*** ***2.2.6. Remote On Demand Meter Read Process***	Meter Installation Inquiry and Remote On Demand Meter Read have been added to the B2B Meter Data Process document. Ausgrid believe the request functionality should be carried out via a SO Request and does not belong in this procedure. The B2B Meter Data processes are carried out by the MDP today. The services that have been added will be carried out by the MPB or MC. The Meter Installation Inquiry and Remote On Demand Meter Read could be requested using the B2B Service Order logic without change to any structure. Only enumerations would need to be updated, significantly reducing the build time and

		cost for existing participant. Two examples, Remote On Demand and Meter Inquiry Requests. SO TYPE (Special Read) SO SUB TYPE (On Demand) REASON (Product1) SO TYPE (Special Read) SO SUB TYPE (Meter Inquiry) REASON (Product1) Ausgrid suggest that adding Service Order Sub Types of On Demand and Meter Inquiry with Reasons of Product 1 - 5 would allow all parties to have their own solution and does not impact on innovation. It is noted that a 'Reason' is being added for De-energisation Service Orders and could also be used to describe the product delivery requested by the initiator. Recipients of the request would advise each initiator of what their Product 1 to Product 5 means in terms of delivery. The above request is in line with 'Remote' being added to the B2B Service Order Procedures to facilitate other Minimum Functionality Service processes.
	3.5. MeterInstallationInquiryDataResponse Data	The procedures should not define how a business can respond to Minimum Functionality Services. Businesses may choose to respond via Websites, Mobile Apps, XML's or other formats as agreed with the customer.

	2.2.1	PreInstallationRequest no longer exists in this document and needs to be removed.
	2.2.2 (a)	MDP has been replaced with Initiator. This is not consistent with other B2B Procedures. Where only one role can undertake the work the Role is being named in other procedures. Do we believe a role other than the MDP can supply MDFF data? Ausgrid requests that the B2B documents are consistent between the procedures in the use of 'Initiator' and 'Recipient'
	2.5.4.1 – Investigation Codes – Table 4	'Invalid Standing Data' and 'Verify Missing Register' have been added as investigation codes to the Verify Meter Data process. The B2B Guide gives no information as to how the codes are to be used. MDP's have no obligation and are unable to update Meter Standing Data or Missing Registers in MSATS. Therefore a VMD to an MDP with these codes would be Rejected. Is this the expected outcome? The MDP and MPB are different entities. Has the market introduced PMD / VMD functionality that will be sent to the MPB or MC via the use of these codes? What obligation has been placed on the MC or MPB to perform this task?
	2.5. *Business Rules* ***2.5.1. Common*** *(b) Prior to rejecting a Notification or Request Transaction on the basis that the Initiator does not have the correct*	2.5.1. (b) Has been incorrectly updated and changes the intention of the clause. Should read: b*) Prior to rejecting a Notification or Request Transaction on the basis that the Initiator does not*

	Role for the connection point, Intitiators must confirm that this is correct on the basis of information held in MSATS.	*have the correct Role for the connection point,* ***Recipients*** *must confirm that this is correct on the basis of information held in MSATS.*

4. OWN

Old Clause No	New Clause No	Comments
	1.5. Terminology *(a) In this Procedure: (i) A Participant refers to a party initiating or receiving a OneWayNotification transaction. A Participant may be any one of, LR, FRMP, ENM, MC, DNSP, MP, MDP or* ***Third Party B2B Participant***	Third Party B2B Participant is an undefined term. Ausgrid seek clarity on the use of this statement.
	Figure 3 One Way Notification field values	InitiatorRole should be included in a field of the One Way Notification to be consistent with all other B2B Procedures.
	Figure 5 Network Tariff Notification field values	Ausgrid suggest the old Network Tariff Code should also be provided in the NTN NotificationDetail. This would assist the Recipient in understanding the change being made without having to refer to another system to obtain the current record values.
	Figure 6 Planned Interruption Notification field values	Ausgrid suggest the REASONFORINTER value of 'Free Text' is removed and replaced with 'Other'. Ausgrid suggest a new field of 'FREE TEXT' is added

		and must be populated where 'Other' is used as a REASONFORINTER value. This amendment will allow systems to automate the transction more effectively. Ausgrid also note that Meter Exchange is incorrectly spelt in • Meter Excange - Rollout
	Figure 7 Meter Fault and Issue Notification field values	Ausgrid suggest the REASONFORNOTICE value of 'Free Text' is removed and replaced with 'Other'. Ausgrid suggest a new field of 'FREE TEXT' is added and must be populated where 'Other' is used as a REASONFORNOTICE value. This amendment will allow systems to automate the transction more effectively.
	Figure 8 Metering Works Notification field values	Ausgrid note the proposal to put Meter Works Notifications into the One Way Notification. Ausgrid believe this transaction should be a fully structured aseXML interface, not a CSV payload. This is a major transaction that will impact every DNSP as meters are removed in mass over the next 1-40 years. A CSV format does not allow an appropriate level of validation to automate the transaction. Ausgrid does not believe this transaction could be automated in its current format and is therefore not usable. Ausgrid request the Metering Working Notification process be made into a fully formed aseXML transaction with appropriate enumerations that the describe the values that can be used. Further issues with the format are described below.

	4.1.6 (d) For each NMI included in a NMW, the Initiator must create individual data (D) records for all meters that have been affected by the field work.	4.1.6 (d) is an incorrect statement. It should read:- 4.1.6 (d) For each NMI included in a NMW, the Initiator must create individual data (D) records for all **meters / registers** that have been affected by the field work.
	Following 4.1.6 (d) ***Example of I & D indicator records for Notice of Meter Works*** *I,RECORDNUMBER,MESSAGENAME,VERSION,NMI,NMICHECKSUM,DATE,* *WORKTYPE,CUSTOMERTYPE,STATUS,METERID,METERSTSTUS,METERTYPE,REGISTERID,NMISUFFIX READING,PARTICIPANTID:* *D,1,NMW,1,1234567890,1,20171201RemovedMeter,Residential,Active,98765,Removed,Basic,11,11,001245,ABCMP*	Ausgrid note that the examples are incorrect compared to data in Figure 8. Figure 8 has 33 columns, the data examples have 17 fields. Examples need to be updated to represent actual scenarios.
	Figure 8 – Column 10 *Describes the site status at the completion of the metering work:* *• Active* *• Deenergised* *Remote* *– Remove Fuse* *– Main switch seal* *– Technical disconnect* *– Meter Isolation*	Figure 8 Column 10 – 'Status' is poorly defined. What is a user expected to populate in CSV for De-energised with Removed Fuse. In a CSV format each particiant will add this differently meaning the transaction cannot be automated. Transaction needs to be an aseXML transaction. The Notice of Metering Works transaction cannot be in csv format due to there being multiple elements/levels of data to a meter record. Either we don't provide a sample in the MD Procedure or we refer the reader to a sample XML in the Tech Spec.

	Disconnection at pole top, pillar box or pit • *Free Text*	
	Figure 8 – Column 14 – REGISTERID	Figure 8 Column 14 - REGISTERID must be a Mandatory field. The procedure currently had this marked as M/N. Perhaps a note explaining when the field is Not Required would clarify the issue. The REGISTERID is the only identifier the DNSP has to identify the Off Readings for a BASIC meter, allowing the automated removal of the meter.

5. RoLR Part B

Old Clause No	New Clause No	Comments
		Ausgrid has reviewed the ROLR Procedure and is satisfied that there are no material changes that require comment.

6. Glossary and Framework

Clause	Heading	Comments
	1.3	Include the B2B Guide