OWN

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
1	Aurora Energy		Contents Tables	Table 1 Timing points A to D described and used in Table 1 are shown in Figure 1. Aurora Energy comment: This table heading should be reviewed.	IEC agree updated to Description of timing points A to D as shown in Figure 1
2	Aurora Energy		Contents Tables	Aurora Energy comment: Table 9 need the : removed	IEC agree
3	AGL		General	Special notes in other procedures are all VARCHAR (240). In OWN they are VARCHAR (200). Suggest OWN be updated to VARCHAR (240) to the field lengths across procedures as the field / note is likely to be used in multiple processes (eg Service Order and OWN).	IEC agree
4	Aurora Energy	2.2		Aurora Energy comment: unsure why Common Business rules have been removed when they are constantly through other documents	IEC did not believe their was enough commonality to warrant a Common Business rules.
5	ActewAGL		1.1		
6	ActewAGL		1.1		

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
7	Endeavour Energy	1.2d	1.2	Item 91 in the Participant Response document published with the Draft Determination states that Endeavour's suggestion to reinstate clause 1.2d was agreed to by the B2B WG, however, the published procedure does not have the clause included. 91 | 1.2.d | | Endeavour | Currently the procedure states in clause 1.2.d that "in the event of any inconsistency between this Procedure and the Metrology Procedure, the Metrology Procedure shall prevail to the extent of | | Agreed: this has been amended as suggested	IEC after review of the document the IEC found no relevance to have this put back in
8	ActewAGL		1.2 (a)		
9	AusNet Services		1.5	Introducing new transactions into the "One Way Notification Process" which only has "OneWayNotification" is confusing to the reader. Suggest defining or otherwise clarifying what "One Way Notification" used with no underscore means in the context of the document (i.e. is it any of the transactions or just one of the transactions it now defines). Section 1.5 only now covers the OneWayNotification, and needs to include the new transactions in point i) and clarify point ii) as only relating to the OneWayNotification.	IEC agree and section has been reworded. Removed 1.5 all together refer to 1.1 for clarification. Add CSV to Notification Detail and put *CSVNotificationDetail* in the Glossary. Section 2 reworded and structured. Removed clause 1.6

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
10	Momentum Energy		Section 1.5, (ii)	"Some message types will have a unique NotificationDetail structure and content as defined in section 4 of this document." – Why some massages have been selected to be sent as .csv Pay load and not have xml Payload.	IEC the original intention of a OWN was to enable parties to send multiple NMI's in one notification instead of using one transaction per NMI. A CSV payload was implemented to enable that. The messages that can be sent using CSV are generally where multiple NMI's are involved. The NOMW and NotifiedParty transactions were deemed to be too complicated for a CSV format and were required to be aseXML After reviewing consultation feedback the IEC has also determined the other new transactions (Planned Interuption Notification and Meter Fault and Issue Notice) will also be aseXML.
11	Red Energy & Lumo Energy		1.6	It is unclear why is this clause appears in this document and not in the others?	IEC removed 1.6 didn't see it adding any value Updated 2.1 to add at the end via CSV or aseXML.

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
12	Jemena		**1.6(a)**	This should define the aseXML as the current or n-1 schema version	IECwe have removed 1.6
13	AusNet Services		2.1	AusNet Services recommends that Section 2.1 (a) needs to be updated to reflect the new transactions of NoticeOfMeteringWorks and NotifiedParty do not support multiple NMIs.	IEC amended section Reworded.
14	SA Power Networks		2.1.1	**Transactions with CSV Payload** Now that the One Way Notification Procedure can accommodate XML transaction content, SA Power Networkss recommends the two new transactions Planned Interruption Notification (PIN) and Meter Fault and Issue Notification (MFN) be specified as XML rather than remain as CSV.	IEC agree PIN and MFN will be xml
15	AusNet Services		2.1.1	AusNet Services considers section 2.1.1 is written such that MFN, PIN, MXN are separate transactions when this is not the case. They are notifications, not transactions (as written in Section 4.1). This should just be the OneWayNotification.	IEC amended heading Section has been re-written

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
16	United		2.1.1	**Transactions with CSV Payload :** Now that the OWN procedure can accommodate XML transaction content, UE recommends that the two new transactions PIN and MFN be changed to XML content rather than remain as CSV. There will be industry benefits if these transactions are changed to XML in particular in the way that Business Rejections can be more easily processed. By staying as CSV content, if any one line in the CSV is rejected by the Recipient it means that entire transaction must be Rejected- By changing to XML content with a single NMI per transaction then Initiators will be able to deal only with the exceptions rather than with the confusing mix of acceptances and rejections in a CSV payload.	IEC Refer to response for item 14

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
17	CitiPower Powercor		2.1.1	**Transactions with CSV Payload** Now that the One Way Notification Procedure can accommodate XML transaction content, CitiPower Powercor recommends the two new transactions Planned Interruption Notification (PIN) and Meter Fault and Issue Notification (MFN) be specified as XML rather than remain as CSV. There will be industry benefits if these transactions are changed to XML in particular in the way that Business Rejections can be more easily processed. If defined as CSV content, if any one line in the CSV is rejected by the Recipient it means that entire transaction must be Rejected. By specifying as XML content with a single NMI per transaction then Initiators will be able to deal only with the exceptions rather than with the confusing mix of acceptances and rejections in a CSV payload.	IEC Refer to response for item 14
18	Jemena		2.1.1	As the OWN procedure now supports XML transaction for some transactions it is recommended that the two new transactions PIN and MFN also be updated to allow XML content rather than operate using CSV. An XML structure for these transactions will allow for more efficient back office processing and reduce the overhead associated with any exception processing	IEC Refer to response for item 14

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
19	ActewAGL		2.1.1 (d)	Reword Meter Fault and Issue Notice (MFN) – this message allows an Initiator to send information relating to a meter fault or issue to a Recipient. This includes *meter* faults and *meters* that require changing due to ~~the *meter* due to the *meter*~~ not meeting Metrology requirements.	IEC refer response for item 27.
20	Endeavour Energy		2.1.1(c)	Include the following clarifying statement: A LNSP may use the PIN transaction or continue using their existing notification process, which is deemed to be compliant with the B2B Procedures.	IEC believe the wording is sufficient. It does not preclude the LNSP using this notification. If the LNSP chooses to use the B2B notification to meet their obligations then they can. If they choose to meet their obligations the same way they do today then they can. The B2B Procedure is just about communication and providing a tool for participants to communicate.
21	AusNet Services		2.1.2	AusNet Services considers that reference to XML payloads in section 2.1.2 is inaccurate and confusing, because the XML included in the transaction is part of the transaction itself and not a "payload". Please remove the reference to "payload" from section 2.1.2. and detail the fields that are part of the transactions.	IEC agree removed reference to payload. Field details are in 4.2 & 4.3
22	Active Stream		2.1.2 (a)	Suggest re-inserting an acronym for Notice of Metering Works as per other OWN transactions	IEC no need for an acronym as these are used for CSV payloads only.

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
23	Active Stream		2.1.2(a)	Suggest removing the wording (including Network Devices). The NMW form clearly identifies the information to be provided. If one was to elaborate on the meter works then Network devices can be called out.	IEC believe the wording is sufficient. It clarifies that it can be more than just meter works
24	Jemena		2.1.2(a)	The structure of the NMW transaction must also be defined as delivering a notice about any SO initiated to impact a LNSP device (meter or network device). Therefore the text should read: "Notice of Metering Works (NMW) – this message transaction allows an Initiator to inform a Recipients of the **initiation and** completion of meter works (including *Network Devices*) at a site."	IEC no change. The intention of this transaction is to replace the existing paper based NOMW that is current practice today. This paperwork is sent upon completion of the field work. The initiation of this work can be met by the Notified parties transaction.
25	AusNet Services		2.2	For point 2.2(iii) we recommend avoiding the word "resend" and simply say "send a new Business Document if appropriate"	IEC agree updated
26	AGL		2.2 b (iii)	Suggest reword "[…] and resend a new Business Document if appropriate" to "[…] and send a new Business Document if appropriate"	IEC refer to response for item 25
27	Pacific Hydro	2.1.1 (c)	2.1.1 (d)	Suggest the following rewording: Meter Fault and Issue Notice (MFN) – this message allows an Initiator to send information relating to a meter fault or issue to a Recipient. This includes *meter* faults and *meters* that require changes due to the *meter* not meeting Metrology requirements.	IEC agree accepted wording.

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
28	AusNet Services		3.1	Section 3.1 states it's for all transactions, but only has one of them in the sequence diagram. Need to make this more generic or split this out. Same applied to table 1. Consider taking section 8.3 out of the TDS and putting into this document.	IEC made the diagram more generic. Section 3 reworded.
29	ActewAGL		3.1 (b)	Reword [Guidance Note 2] The Recipient must receive the Planned Interruption Notification ~~must be sent~~ at least 4 business days before the date of the expected interruption.	IEC no change the obligation in the NERR is for the Retailer to notify the Distributor. The sending of this is the notification.
30	ActewAGL		3.1 (c)	Reword [Guidance Note 6] The Recipient must receive the NoticeOfMeteringWorks ~~must be sent within~~ at least 2 business days of the work being completed.	IEC no change the obligation in the SLP is for the MP to provide the NOMW within 2 business days. The sending of this is the provision.
31	Active Stream		3.1(b)	*[Guidance Note 2] Planned Interruption Notification must be sent at least 4 business days before the date of the expected interruption.* Suggest rewording to 'must be received at least 4 business days….' As per wording of the NERR Clause 59C and 99 A	IEC refer to response for item 29

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
32	Momentum Energy		3.1, Table 1	Timing Point 'D', "This is the point when the Recipient sends the BusinessAcceptance/Rejection to the Initiator." – In which all situations can the retailer send the business rejection? For example: if the LNSP has sent a tariff change notification, can retailor send a business rejection for that, although it is a one way notification and our understanding is that it does not require any action from the recipient apart from acknowledgment	IEC – refer to Tables 11 and 12 for when a OWN will be rejected.
33	Jemena		Table 1 [GN2]	The current Electricity Distribution Code places an obligation on the DNSP to notify the end customer within 4 days. This regulated requirement should be reflected in the Procedures as a requirement not a guidance note. Note the mandated nature is already underpinned by the fact that in Table 3 the NOTICEDATE is described as "must be a minimum four(4) days prior…."	IEC this notification is between participants not end customers. The obligation this guidance note covers is the Retailer advising the Distributor of a planned outage. B2B Procedures can only mandate obligations around the B2B Communications and not other obilgations outside of this.
34	Jemena		Table 1 [GN6]	It is appreciated that there may not be any other HoP that mandates the 2 business day requirement. However as there is potential for any delays in notification of completions to have market implications for wholesale allocations, this should be a requirement under the Procedures not a guidance note.	IEC - B2B Procedures can only mandate obligations around the B2B Communications and not other obilgations outside of this.

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
35	AusNet Services		4	AusNet Services suggests the following changes for consistency. - Retitle section 4 as "Transactions" to align to other B2B Procedure processes. - Add a subheading under section 4 – "OneWayNotification Transaction Data" before any of the existing text.	IEC agree updated
36	ActewAGL		4		
37	Momentum Energy		Section 4, (b)	It refers to figure 3 and there is no figure 3 in the document.	IEC agree corrected
38	ActewAGL		4	Insert new sentence above Key Where the Definition states Not Required or Mandatory, usage key value no longer applies.	IEC no change wording is sufficient
39	ENERGYAP, TCAMP, TCAUSTM		***4***	***Table 2 - One Way Notification field values*** As per Stage 1 Consultation:- InitiatorRole should be included in a field of the One Way Notification to be consistent with all other B2B Procedures. Initiator Role helps to validate the transaction is coming from a valid source.	IEC No change NMI and PartID are enough for validation.

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
40	United		4	**Lack of clarity between CSV and XML transactions:** There is likely to be much confusion to readers of this s document between transactions that are One Way Notification with CSV and XML transactions. The distinction needs to be much clearer throughout and some errors corrected that currently add to the confusion (See UE response to 4.1.2 and 4.1.3) A new clause needs to be added after before (a) to state the following: Notifications with CSV payloads are defined as Transaction Type = *OneWayNotification*, and must confirm to the One Way Notification structure Notifications with XML payloads are given their own individual Transaction Types (eg *NoticeOfMeteringWorks* and *NotifedPartyTransaction*), and can have their own uniquely defined content structure.	IEC document redrafted to provide clarity.
41	Endeavour Energy		4 (a)	**4 TRANSACTION DATA** (a) The One Way Notification transaction shall only contain a single *NotificationDetail* payload. Replace the word 'shall' with 'must'	IEC agree updated
42	AGL		4(b)	Check reference and grammar of clause …usage, format and definitional details in XXXXX – which figure or table ?	IEC agree corrected

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
43	Active Stream		4(b)	The OWN procedure does not appear to have a Figure 3. Should this read Table 2.	IEC agree corrected
44	Momentum Energy		Section 4, Table 2 Key	M = Mandatory (must be provided in all situations), R = Required (must be provided if this information is available or has changed). What is the difference between M & R?	IEC – mandatory means this information must be provided no exceptions. Required means if you have the information available you must provide it.
45	ActewAGL		4.1.1 (a)(iv)		
46	TasNetworks		4.1.2	Table 3 In the example swap “MESSAGENAME” and “RECORDNUMBER”	IEC agree corrected
47	EA		4.1.2	Meter Exchange Notification: Suggest this transaction includes these fields as well (as optional). STARTDATE ENDDATE STARTTIME DURATION This transaction could be used by MP to advise Retailers of potential scheduling availability, which in turn retailers can use to fulfil obligations for PIN.	IEC agreed to add fields as optional and information will be added to the B2B Guide to state a potential new purpose for this notification.

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
48	AGL		4.1.2	Table 3 - Column 4 – Version Are these amended OWNs still version 1 ?	IEC agree updated to version 2
49	AGL		4.1.2	Table 3 – Columns 8, 9, 10 Either create a new OWN for establishing initial dates for meter deployments by MPs or amend the Meter deployment dates as not Mandatory so that a list of NMIs can be sent to the MP for scheduling and they can return the OWN with scheduled dates.	IEC Refer to response for item 47
50	AGL		4.1.2	Table 3 – Column 7 – Meterserialnumber Suggest amend the definition to cross reference the Meter Serial ID from the Glossary: The ~~m~~*Meter* ~~s~~*Serial ID* ~~number~~ uniquely identifies a meter for a given NMI. Suggest this field to not be Mandatory. Where the value is not provided, the notification applies to all meters at the NMI.	IEC no change. MeterSeriaNumber is used throughout the B2B documents and is a current field in the schema. As it appears in the Glossary no need to define it here Agreed to make the field O/N.

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
51	Jemena		Table 3	Column7 “METERSERIALNUMBER” . This needs to specify whether the meter serial number is for the meter being replaced or the new meter.	IEC as this a meter exchange notification and issued prior to the meters being exchanged (section 2.1.1 (a) indicating it’s the current meter. The original use of this notification was for VIC AMI rollout and the IEC elected to keep this notification in case a participant found a use for it.
52	Active Stream		4.1.2	Table 3 Column 8 – propose the formatting of the Date is included As it is included in other transactions	IEC agreed format has been updated for CSV payloads.
53	Active Stream		4.1.2	Table 3 Column 10 – This column may need to be reviewed and see if it is relevant. Suggest making this field O or R/N if it is to remain, as to not constrain its versatility with participants.	IEC agreed. Columns 8,9,and 10 have been made optional.
54	ActewAGL		4.1.2		

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
55	Endeavour Energy		4.1.2	Meter Exchange Notification, Column 10 Column10 NOTICEDATE DATE(8) M The date on the notice issued to the customer by the Initiator. Note: This Date must be a minimum of four (4) days prior to the NOTBEFOREDATE. Needs to be noted as [Guidance Note 2]	IEC have removed this note as this was a VIC AMI obligation when they were rolling out their meters.
56	United		4.1.2	**(a) Meter Exchange Notification** (i) Message Type – Meter_Exchange_Notification <- <- This statement is incorrect - One Way Notifications with a CSV payload should have a Message Type of "One Way Notification"	IEC agree wording has been updated.
57	United		4.1.2	**Table 3 Column 7:** The explanation of Meter Serial Number in not adequate. Is it the OLD meter or is it the NEW meter to be installed? Also it should NOT be a mandatory – It should be Optional. Under most circumstances the MXN will be issued well prior to the installation. Installers will not know the specific NEW Meter Serial Number that is to be installed until the actual day of installation.	IEC refer to response for item 50 & 51

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
58	Red Energy & Lumo Energy		4.1.2 / 4.1.3 / 4.1.4 / 4.1.5	Red and Lumo recommend that the proposed / intended usage of the transaction is provided in the Procedure. Consistent with the other Procedures. E.g. (a) The Meter Exchange Notification message is defined as; (i) Message Type – Meter_Exchange_Notification (ii) Message Name - MXN (b) [Guidance Note 1] The Meter Exchange Notification can be provided from an Initiator to a Recipient to advise of single or multiple NMIs that are subject of a meter exchange.	IEC the B2B Guide provides additional information for these transactions.
59	Active Stream		4.1.2.	Table 3 Column 8 – propose the formatting of the Date is included As it is included in other transactions	IEC agreed format has been updated for CSV payloads.
60	Active Stream		4.1.2.	Table 3 Column 10 – propose the formatting of the Date is included As it is included in other transactions	IEC agreed format has been updated for CSV payloads.

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
61	TasNetworks		4.1.3	Table 4 In example D,1,NTN…. Replace “201712200” with “20171220”	IEC agreed
62	AGL		4.1.3	Also applies to 4.1.4 AND 4.1.5 Suggest change “ The Initiator should use the examples provided where these are applicable to the *REASONFORCHANGE* and only use ’Other’ where none of the standard texts apply. “ To “ The Initiator **must** use the **values** provided where these are applicable to the *REASONFORCHANGE* and only use **the value of** ‘Other’ where none of the standard texts apply. “	IEC refer response for item 73
63	AGL		4.1.3	Table 4 - Column 4 – Version Are these amended OWNs still version 1 ?	IEC agree. Updated to version 2

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
64	AGL		4.1.3	Table 4- Column 7 – Meterserialnumber Suggest align definitions across OWNs for Meter Serial ID – see table 3 Suggest this field to not be Mandatory. Where the value is not provided, the notification applies to all meters at the NMI.	IEC refer to response for item 44
65	AGL		4.1.3	Table 4 – Column 9 & 10 Align formats of Date across OWNs – this is different to Table 3	IEC agreed format has been updated for CSV payloads.
66	ActewAGL		4.1.3		
67	ActewAGL		4.1.3	Table 4 – Column13 Change Use to M Reword definition Mandatory only when REASONFORCHANGE 'Other' is used, otherwise Not Required.	IEC – refer to response for item 71

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
68	ENERGYAP, TCAMP, TCAUSTM		***4.1.3***	***Table 4 - Network Tariff Notification field values*** As per Stage 1 Consultation:- 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 Network Tariff values.	IEC No change - IEC left this in purely on the basis that it may be used in the new environment but agreed to make no changes to the payload. IEC could not find a use case scenario where the old tariff in this transaction would benefit the Recipient.
69	Select Solutions		**4.1.3**	**Network Tariff Notification** What is the purpose of having an OWN for a tariff change when the service works/tariff change already has a notified Party's field. Is this not double dipping. Why do we need two avenues of passing on this information. The B2B service works should have the field as mandatory and then you can do away with this notification.	IEC the original intention of this was for VIC AMI and provide a way for DB's to advise Retailers tariffs would be changing. The IEC decided to leave this notification in the procedures in case a participant found a use for it.
70	United		4.1.3	**(a) Network Tariff Notification** (i) Message Type - Network_Tariff_Notification <- This statement is incorrect - One Way Notifications with a CSV payload should have a Message Type of "One Way Notification"	IEC Refer to response for item 56

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
71	United		4.1.3	**Table 4 - NOTES -** The 'Use' Column should be M/O not M/N. This field should be allowed to be optionally used to carry other information as necessary rather than 'N' which excludes that possibility.	IEC agree updated
72	SA Power Networks		4.1.3 – Table 4	Column 12 "No Change" reason for change. Unclear under what scenario this would be used – suggest removing.	IEC this would be used in a scenario where the Network tariff is split over different registers eg peak part of the tariff is on register 1, off peak part of the tariff is on register 2 and the third register is recording generation. If the peak and off peak tariff components were changing but the generation wasn't then the generation register would be a 'No Change' reason
73	Red Energy & Lumo Energy		4.1.3 / 4.1.4 / 4.1.5	The Initiator should use the ~~examples~~ allowable values provided where these are applicable to the *REASONFORCHANGE* and only use free text 'Other' where none of the standard texts apply. Red and Lumo recommend that this clause is amended to use the terminology that is consistent with the transaction.	IEC agree updated

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
74	AGL		4.1.4	Table 5 – Columns 7 & 8 Suggest align formats of Date across OWNs – this is different to Table 3	IEC have made the two transactions that remained as CSV the same. With the PIN and MFN becoming xml transactions the date field will conform to standard aseXML format. NOMW has also changed to the standard aseXML format. This is consistant with the other transactions using xml.
75	AGL		4.1.4	Table 5 – Column 11 Suggest we add at least one more category – Meter Fault (eg Comms, display)	IEC agree new reason Meter Fault Investigation added
76	ActewAGL		4.1.4		
77	ActewAGL		4.1.4	Table 5 – Column12 Change Use to M Reword definition Mandatory only when REASONFORINTER 'Other' is used, otherwise Not Required.	IEC – refer to response for item 71

<table>
<tr><th>Reference No</th><th>Participant Name</th><th>Old Clause No</th><th>New Clause No</th><th>Comments</th><th>IEC Response</th></tr>
<tr><td>78</td><td>Endeavour Energy</td><td></td><td>4.1.4</td><td>Planned Interruption Notification

Item 104 in the Participant Response document published with the Draft Determination states that Endeavour’s suggestion to include a reason of ‘Meter Bypassed and Metrology threshold breached’ was agreed to by the B2B WG however, the published procedure does not reflect this decision.

<table>
<tr><td>104</td><td></td><td>Figure 7
REASONFORNOTICE</td><td>Endeavour</td><td>Include: Meter bypassed and Metrology threshold breached</td><td></td><td>Agreed. This has been amended as suggested.</td></tr>
</table>
<table>
<tr><td>Column 11</td><td>REASONFORINTER</td><td>VARCHAR(50 M)</td><td>The reason for planned interruption. Allowable values:
• Meter Exchange - Individual
• Meter Exchange - Rollout
• Meter Replacement – Family Maintenance
• Meter Test
• Other</td></tr>
</table></td><td>IEC upon review we disagree with these two new reasons for a PIN. They would be covered under Meter Exhange – Individual. We don’t see a scenario where the DB needs to know that the planned outage was for a meter exchange due to meter being bypassed or Metrology Threshold Breached

IEC believe the previous response was incorrect and was a copy and paste of the answer for the same suggestion for MFN.</td></tr>
</table>

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
79	Endeavour Energy		4.1.4	1. Move the STARTIME (Column 9) to be after STARTDATE (Column 7) in this table. 2. Correct the spelling of 'planned' in column 7 Column7 STARTDATE DATE(8) M The proposed start date of the panned interruption to *supply* by the Initiator. Format YYYYMMDD Column8 ENDDATE DATE(8) O This can be used where the Initiator wants to advise the Recipient that they have a program of works which may go over an extended period. Format YYYYMMDD Column9 STARTTIME VARCHAR(4) M The time the planned interruption to *supply* is proposed for that NMI. Format HHMM	IEC agree moved and corrected
80	United		4.1.4	**Planned Interruption Notification** UE recommends re-defining this transaction as an XML transaction as has been done for NMW. This will allow line-by-line processing of these transactions making processing simpler for all participants.	IEC refer to response for item14
81	United		4.1.4	**Table 5 – Column 9 STARTTIME -** make it clear that this is Local Time (as it is a time being advised to the customer also)	IEC added 'All times (related to the conduct of the work) refer to the local time for the Site (where the work requested is to be carried out). Local time is inclusive of daylight saving time changes.' to section 1.2

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
82	United		4.1.4	**Meter Fault and issue Notification** UE recommends re-defining this transaction as an XML transaction as has been done for NMW. This will allow line-by-line processing of these transactions making processing simpler for all participants	IEC refer to response for item14
83	CitiPower Powercor		4.1.4	**Planned Interruption Notification** CitiPower Powercor recommends re-defining this transaction as an XML transaction as has been done for Notice of Metering Works. This will allow line-by-line processing of these transactions making the process simpler for all participants.	IEC refer to response for item 14
84	CitiPower Powercor		4.1.4	**Meter Fault and Issue Notification** CitiPower Powercor recommends re-defining this transaction as an XML transaction as has been done for Notice of Metering Works. This will allow line-by-line processing of these transactions making the process simpler for all participants	IEC refer to response for item 14
85	ENERGYAP, TCAMP, TCAUSTM		4.1.4 c) example	An additional comma is required at the end of the row needs to be added to represent the Free Text field	IEC this transaction is now xml. Examples removed

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
86	Red Energy & Lumo Energy		Table 5	REASONFORINTER This should either be optional (as not required in the NERR) or should also encompass the reasons for which a DNSP may interrupt supply (e.g. transformer upgrade).	IEC - Agree have made the field optional and have added 'Distribution Works' as a reason for interruption should any DNSP wish to use this transaction to meet their obligations under the NERR
87	Jemena		4.1.5(c)[GN 1,GN 4]	This transaction also used by a default MC to notify the Retailer that meter is faulty and therefore the Retailer needs to assign a new MC to replace the meter. In this case then this is not just a guidance note, but should be a mandated communication where the current MC is the default MC? Suggested text below: "Where the Initiator is a default MC this notification must be sent from the to notify the FRMP Recipient of a metering installation malfunction."	IEC – B2B Communications is a tool that can be used for participants to meet their obligations. If participants agree to meet their obligations using another form of communication then this is allowable. No change to wording required.
88	AGL		4.1.5	Table 6 – add new column (s) – proposed work date (or 'Not Before', 'Not After' etc. dates) Consider adding another column(s) for proposed work date Eg Meter Comms fault identified – MP can insert a proposed schedule date for rectification (based on agreement with FRMP to allow for notices etc.)	IEC Agree field optional. Added STARTDATE,ENDDATE,STARTTIME & DURATION
89	AGL		4.1.5	Table 6 - Column 4 – Version Are these amended OWNs still version 1 ?	IEC transaction now xml, version numbers not required.

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
90	AGL		4.1.5	Table 6 – Column 7 Suggest align formats of Date across OWNs – this is different to Table 3	IEC have made the two transactions that remained as CSV the same. With the PIN and MFN becoming xml transactions the date field will conform to standard aseXML format. NOMW has also changed to the standard aseXML format. This is consistant with the other transactions using xml.
91	AGL		4.1.5	Table 6 – Column 10 Suggest align definitions across OWNs for Meter Serial ID – see table 3	IEC refer to response for item 50
92	AGL		4.1.5	Table 6 – Column11 Requires a value to indicate a “Meter does not meet Metrology Requirements”	IEC no change current values sufficient as they are all reasons why a meter does not meet metrology
93	Active Stream		4.1.5	Table 6 Column 7 – suggest rewording the definition to: The date the meter fault or issue was identified by the Initiator	IEC agree updated

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
94	Active Stream		4.1.5	Table 6 – MP SLP 5.4 asks for a MP to notify several Participants if for non –conformance of Test Results or calibrations - does sub type accuracy include this? If so, they are required to inform of initiation of corrective action – Suggest the MFN picks up these days or at least a proposed date for rectification.	IEC Yes it could Extra fields have been added that should cater for this.
95	Active Stream		4.1.5	Table 6 There is an obligation for MC to advise participants of AEMO granted exemptions. The MFN could be an appropriate mechanism for this purpose. Recommend to add another reasonfornotice in Column 11 - AEMO Exemption Metering Malfunction and the Notes field to provide the status of the exemption to meet the procedure requirements. Otherwise, propose a new OWN to enable participants to meet their obligations whilst using a standard methodology of communications.	IEC No change IEC did not see value

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
96	Energex & Ergon Energy		4.1.5	**Meter Fault and Issue Notification Data** For Column9 the *SupplyOff* field includes an allowable value of "Recipient Discretion". This should this be updated to "Initiator Discretion" as it is the Initiator who has de-energised the site.	IEC Removed recipient discretion and also updated list to be consistant with de-en method list.
97	ActewAGL		4.1.5		
98	ActewAGL		4.1.5	Table 6 – Column9 Change Use to M Reword definition Not Required when SUPPLYON value is 'Y'.	IEC no change wording is sufficient
99	ActewAGL		4.1.5	Table 6 – Column12 Change Use to M Reword definition Mandatory only when REASONFORNOTICE 'Other' is used, otherwise Not Required.	IEC – refer to response for item 71
100	Endeavour Energy		4.1.5	Meter Fault and Issue Notification Data Amend the definition of Column 7, 'Date' to read: The date of the meter fault or issue identified by the Initiator	IEC refer to response for item 93

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
101	Endeavour Energy		4.1.5 (d)	There should be a data record for each meter not each NMI for the scenario where there are multiple meters that have failed at a site.	IEC now an xml transaction and allows for the field to repeat.
102	ENERGYAP, TCAMP, TCAUSTM		4.1.5 d)	An additional comma is required at the end of the row needs to be added to represent the Free Text field	IEC this transaction is now xml. Examples removed
103	Momentum Energy		Section 4.1.5, Table 6	No format defined for Column9, SUPPLYOFF?	IEC agree corrected
104	Red Energy & Lumo Energy		Table 6	Meter Serial ID should be mandatory where only one metering installation has malfunctioned/requires replacement. Red and Lumo also recommend checking CSV field name in standing data definitions, to ensure that it is correct.	IEC no change IEC agreed field to remain optional. Transaction is now xml and field named is the same as in other transactions
105	Red Energy & Lumo Energy		Table 6	Red and Lumo recommend the following changes: Column 11: Contactor Failure – Used when a load contactor has failed ~~and a Controlled Load is required~~. We note that this is a notification, not a request for service order.	IEC agreed removed wording

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
106	Red Energy & Lumo Energy		Table 6 example	Red and Lumo note that there is a difference between the tables and the examples (when reviewing the Definition column). We recommend that there is consistency between the transaction values and the descriptors in the transaction. Example: Meter Family Failure (in description) and MeterFamilyFailure (in example)	IEC transaction now xml examples removed
107	Jemena		Table 6 column 9 Supplyoff	Is “Recipient Discretion “ an appropriate method in the case where the field is describing the method that had been used to disconnect supply?	IEC refer to response for item 96
108	Jemena		Table 7	An additional field is required to identify the reading interval (ie 15 min or 30 min reading intervals). The CATS CR 3000 or 4000 series of transactions is missing this information. This is required for the LNSP to distinguish and load meter read data for the associated meters in 15 or 30 min intervals. Note that post 1 Dec 17, below and above 160 MWh meters are deemed type 4 meters.	IEC no change did not see any value in adding this to the transaction as the LNSP would probably be receiving the NEM12 file before the obligation to receive the NOMW.

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
109	AGL		4.2	Table 7 – EnergisationStatus Suggest reword; "DEENERGISED AFTER METER – Metering installation is energised beyond the meter " To "DEENERGISED AFTER METER – Metering installation is energised. **De-energisation is** beyond the meter "	IEC agreed updated
110	Jemena		Table 7	So as not to be confused with a communications network "Not Connected – Metering installation is not connected to the network " *should read* - Not Connected – Metering installation is not connected to the network supply point	IEC agreed reworded. Have used connection point instead of network supply point.
111	AGL		4.2	Table 7 – Worktype Grammar – … Work where an existing equipment….	IEC believe wording is fine
112	AGL		4.2	Table 7 – General Supply / Controlled Load Grammar – ….controlled by a network approved equipment…	IEC reworded to 'controlled by a network approved equipment configuration'

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
113	AGL		4.2	Table 7 – Trasnformer Type Grammar - … CT/VT – An equipment used…	IEC removed the word An.
114	AGL		4.2	Table 7 – Transformerconnectedmeternumber Should this data block be a subset of the meter data – rather than repeating the meter ID for each transformer	IEC this should be reviewed as part of asexml build. Some transformers can serve multiple meters
115	Active Stream		4.2	Table 7 Suggest a consistent approach of Tables in the document- include a 'Column' column.	IEC as this is in aseXML it does not require the columns.
116	Active Stream		4.2	Table 7 *Date:* included the Date format (for consistency within the doc and across industry participants)	IEC field removed as same as *FieldWorkDateTime*
117	Pacific Hydro		Table 7	*Date* The date the metering work was completed by the Initiator. *FIeldWorkDateTime* The date and time of when the field work was completed The above two fields seem to be providing similar information. Suggest *FIeldWorkDateTime* be retained.	IEC refer to response for item 116 & 124
118	Active Stream		4.2	Table 7 FieldWorkDateTime : include the formatting of the field (for consistency within the doc and across industry participants)	IEC agree updated the same as all of the other transactions that use xml as per the aseXML standard.

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
119	Active Stream		4.2	Table 7 CustomerType: Suggest rewording: 'Describes the type of customer of the metering installation (as per NERR definition).' Then remove '- as per NERR definition' from the allowed values so they appear as: • RESIDENTIAL BUSINESS	IEC agree updated
120	Active Stream		4.2	Table 7 EnergisationStatus: Amend to maintain consistent font formatting with allowed values i.e. Either all CAPS or title Caps: Active, DEENERGISED AT METER etc.	B2B agree updated
121	Active Stream		4.2	Table 7 MeterSerialNumber: Remove definition after Meter Serial ID for doc consistency. Also defined in the Glossary.	B2BWB agree removed
122	Active Stream		4.2	Table 7: Consistent font required for field name: SUpplyPHases	IEC agree corrected
123	Active Stream		4.2	Table 7 SupplyPhases: remove hyphen between Three and Phase or add them to One and Two.	IEC corrected as per current schema format

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
124	Energex & Ergon Energy		4.2	**NoticeOfMeteringWorks Transaction Data** Table 7 : NoticeOfMeteringWorks field values Fields: DATE and FIELDWORKDATETIME These fields appear to be duplicated if they are both used for advising the date the work was completed. Further clarity is required for the use of both fields.	IEC agree field *Date* has been removed
125	Energex & Ergon Energy		4.2	**NoticeOfMeteringWorks Transaction Data** Table 7 : NoticeOfMeteringWorks field values Fields: TOTALREMOVEDMETERS This field needs to be amended to reflect a Format of NUM(2), not NUM(22).	IEC agree corrected

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
126	Energex & Ergon Energy		4.2	The current form of the NoticeOfMeteringWorks (NOMW) does not appear to cater for the scenario where a Meter (which was previously used for Consumption and Controlled Load purposes) is retained on the switchboard for Controlled Load purposes only. As the Meter has not been physically removed but has just been modified to act as a Controlled Load Device, then it may not be included in the RemovedEquipmentNumber field. This means that no meter removal readings will be received in the NOMW for the specific meter. A new 'Action Taken' field for such a scenario is therefore required.	IEC added this wording to the *RemovedMeterReading* definition Mandatory if the *RemovedEquipmentType* is Basic Meter or where a Basic Meter is repurposed and left onsite.
127	Aurora Energy		4.2	Aurora Energy comment: would it not make sense to have a heading as with 4.1 Notifications with CSV Payloads therefore have 4.2 Notifications with a XML payload	IEC agree new headings created
128	Aurora Energy		4.2	If above applies make 4.2 – 4.2.1	IEC refer to response for item 127
129	ActewAGL		4.2	Insert new sentence above Key Where the Definition states Not Required or Mandatory, usage key value no longer applies.	IEC refer to response for item 38
130	ActewAGL		4.2	Table 7 – FieldWorkDateTime Fix spelling of Field	IEC agree corrected

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
131	ActewAGL		4.2	Table 7 – FieldWorkDateTime Insert full stop after “completed”	IEC agree corrected
132	ActewAGL		4.2	Table 7 – SUpplyPHases Is this intentionally capitalised?	IEC agree corrected
133	ActewAGL		4.2	Table 7 – NetworkDeviceLocation Change Use to M Reword definition Mandatory only for each NetworkDeviceNumber provided, otherwise Not Required.	IEC refer to response for item 156
134	ActewAGL		4.2	Table 7 – ControlEquipmentNumber Change Use to R Reword definition Not Required if customer owned.	IEC refer to response for item 158
135	ActewAGL		4.2	Table 7 – ControlEquipmentType Change Use to R Reword definition Required only for each ControlEquipmentNumber provided, otherwise Not Required.	IEC refer to response for item 159

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
136	ActewAGL		4.2	Table 7 – ControlChannel Change Use to R Reword definition Required only for each ControlEquipmentNumber provided, otherwise Not Required.	IEC refer to response for item 160
137	ActewAGL		4.2	Table 7 – ControlConnectedMeterNumber Change Use to R Reword definition Required only for each ControlEquipmentNumber provided, otherwise Not Required.	IEC refer to response for item 161
138	ActewAGL		4.2	Table 7 – RemovedEquipmentType Change Use to M Reword definition Mandatory only for each RemovedEquipmentNumber provided, otherwise Not Required.	IEC refer to response for item 166
139	ActewAGL		4.2	Table 7 – RemovedRegister Change Use to M Reword definition Mandatory only for each RemovedEquipmentType provided, otherwise Not Required.	IEC refer to reposnse for item 166

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
140	ActewAGL		4.2	Table 7 – RemovedRegister Change Use to M Reword definition Mandatory only if RemovedEquipmentType is BASIC METER.	IEC refer to response for item 166
141	ENERGYAP, TCAMP, TCAUSTM		4.2	**Table 7** – Notice Of Metering Works – Latitude and Longitude Longitude and Latitude examples need to be swapped around. E.g. Longitude has a North 'N' example, it should be the West 'W' example.	IEC agree swapped examples
142	Jemena		Table 7	Longitude ranges are from 0° to 180° East and 0° to 180° West. Latitude are from 0° at the equator to +90° N at the North Pole or -90° S at the South Pole. Therefore the examples in Table 7 are reversed! W120 58.292 should be associated with the Longitude value and N41 25.117 should be associated with the Latitude	IEC refer to response for item 141

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
143	Pacific Hydro		Table 7	*ParticipantID* The Participant ID of the Metering Provider for whom the work is performed. MP is not a recognised role in the NEM. Suggest the Participant ID refer to the roles of MPB and MPC.	IEC have added MPB in brackets.

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
144	ENERGYAP, TCAMP, TCAUSTM		4.2	**Table 7 – Notice Of Metering Works – RegisterID / NMI Suffix.** Ausgrid request the following fields be re-instated into the NOMW transaction and linked to the Load Type at a Register level. • RegisterID • NMI Suffix Ausgrid Request that the Load Type be identifiable at the Register level, not the Meter Level as per the current NOMW. For example, an MPB may install a meter with 4 channels with NMI Suffixes of B1, E1, E2, E3. The NOMW may state at a meter level that the site has GeneralSupply field = 'YES', ControlledLoad field = 'YES', GenerationType field = 'Gross'. The DNSP still does not know which NMI Suffix is the Controlled Load NMI Suffix. The Network Tariff to NMI Suffix information link is required to validate Network Tariffs updated by MPB's and to correctly Network Bill the FRMP.	IEC No change the NOMW is to reflect what the field technician can detect in the field. Meter data will provide new config and DB should know existing

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
145	Endeavour Energy		4.2	Table 7 NomwID Amend the description to read: Initiator defined reference, used for reference and tracking. Must be a new (unused) number, unique for the Initiator.	IEC agree updated
146	Endeavour Energy		4.2	Table 7 Remove: Date | DATE(8) | M | The date the metering work was completed by the Initiator. This is a duplicate of FieldWorkDateTime	IEC refer response for item 124
147	Endeavour Energy		4.2	Table 7 WorkType Amend the description to read: Work where additional or new equipment is installed and existing meters are not removed. Includes new sites.	IEC agree corrected

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
148	Endeavour Energy		4.2	Table 7 Capitalise all allowed values *EnergisationStatus* | VARCHAR (50) | M | Describes the energisation status of the *metering installation* at the completion of the field work. Allowed values: • Active – Metering installation is energised • Not Connected – Metering installation is not connected to the network • DEENERGISED BEFORE METER – Metering installation is energised up to an isolation point prior to the meter • DEENERGISED AT METER – Metering installation is energised up to the meter • DEENERGISED AFTER METER – Metering installation is energised beyond the meter	IEC removed capitalisation in the section.
149	Endeavour Energy		4.2	Table 7 Suggest that this field should be Mandatory even if no meters were installed it should be populated with zero. *TotalInstalledMeters* | NUM(2) | R | Number of new meters installed at the site.	IEC agreed updated.

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
150	Endeavour Energy		4.2	Table 7 This field should be M/N as there may not be any meters installed. The definition is not clear, suggest rewording to: Meter Serial ID – Faceplate serial number of the meter(s) that have been installed. Must match the meter numbers that will be/is populated in MSATS. This field repeats if more than one meter has been installed. MeterSerialNumber | VARCHAR(12) | M | Meter Serial ID -Faceplate serial number of the completed meter(s) that have been installed. Must match the meter(s) number that will be/is populated in MSATS. This field repeats if more than one meter has been installed at the same time.	IEC have removed the definition a Meter Serial ID is a defined term in the Glossary and Framework document. Agree use should be M/N
151	Endeavour Energy		4.2	Table 7 It needs to be clear that this field is mandatory for each MeterSerialNumber and not required when the MeterSerialNumber is not provided. SUpplyPHases | VARCHAR(20) | M | Describes the number of phases connected to the meter. Allowed values: • Single Phase • Two Phase • Three-Phase • Other Multi-Phase This field repeats for each METERSERIALNUMBER.	IEC agree updated Agree use should be M/N

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
152	Endeavour Energy		4.2	Table 7 It needs to be clear that this field is mandatory for each MeterSerialNumber and not required when the MeterSerialNumber is not provided. *GeneralSupply* VARCHAR(3) M The *meter* has a register measuring export energy and is not controlled by a network approved equipment. Allowed values: • Yes • No This field repeats for each *MeterSerialNumber*.	IEC agree updated Agree use should be M/N
153	Endeavour Energy		4.2	Table 7 It needs to be clear that this field is mandatory for each MeterSerialNumber and not required when the MeterSerialNumber is not provided. Delete '1st' *ControlledLoad* VARCHAR(3) M The *meter* has a register measuring export energy and is controlled by a network approved equipment configured to align with the network's 1st controlled load offer. Allowed values: • Yes • No This field repeats for each *MeterSerialNUMBER*.	IEC agree updated Agree use should be M/N

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
154	Endeavour Energy		4.2	Table 7 It needs to be clear that this field is mandatory for each MeterSerialNumber and not required when the MeterSerialNumber is not provided. *GenerationType* VARCHAR(5) M Indicates whether the *meter* is configured to measure the import of *energy*. Allowed values: • Net • Gross • None This field repeats for each *MeterSerialNumber*.	IEC agree updated Agree use should be M/N
155	Endeavour Energy		4.2	Table 7 This field should be mandatory, populated with zero if none installed. *TotalInstalledNetworkDevices* NUM(2) R Number of new network devices installed at the site.	IEC agree
156	Endeavour Energy		4.2	Table 7 This field should be marked as M/N *NetworkDeviceNumber* VARCHAR(12) R Faceplate serial number of the network device that has been installed. This field repeats if more than one network device has been installed at the same time.	IEC Agree use should be M/N

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
157	Endeavour Energy		4.2	Table 7 Reword the following sentence to read: This field repeats if more than one network device has been installed at completion of the field work. *NetworkDeviceLocation* VARCHAR(14) M/N Describes where the network device is located in relation to the meter. Allowed values: • BEFORE METER – Network device is electrically connected before the meter • AFTER METER – Network device is electrically connected after the meter This field repeats for each NETWORKDEVICENUMBER. Mandatory for each NETWORKDEVICENUMBER provided.	IEC agree updated
158	Endeavour Energy		4.2	Table 7 This field should be M/N Reword the following sentence to read: This field repeats if more than one control equipment has been installed at completion of the field work. *ControlEquipment Number* VARCHAR(12) R/N Faceplate serial number of the control equipment. If the control equipment is part of a meter then this should match the Meter Number. Required unless customer owned. This field repeats if more than one control equipment has been installed at the same time.	IEC No change to field use some equipment in the field may not have a number on it. Accepted rewording

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
159	Endeavour Energy		4.2	Table 7 This field should be M/N Change the case for CONTROLEQUIPMENTNUMBER to ControlEquipmentNumber to be consistent with the field name. Remove the stranded dot point at the bottom of the comments section Change the highlighted word 'Required' to be Mandatory *ControlEquipment Type* VARCHAR(25) R/N Describes the type of control equipment that has been installed on behalf of the LNSP. Allowed values: • INTERNAL RELAY – The load is controlled using a frequency controlled relay located inside the meter • EXTERNAL RELAY – The load is controlled using a frequency controlled relay located outside the meter • INTERNAL TIME SWITCH – The load is controlled using a time switch located inside the meter • EXTERNAL TIME SWITCH – The load is controlled using a time switch located outside the meter This field repeats for each CONTROLEQUIPMENTNUMBER. Required for each CONTROLEQUIPMENTNUMBER provided. •	IEC No change to field use some equipment in the field may not have a number on it. Corrected case. Removed stranded dot point Did not change to Mandatory as use of the filed remained R/N.

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
160	Endeavour Energy		4.2	Table 7 Change the case for CONTROLEQUIPMENTNUMBER to ControlEquipmentNumber to be consistent with the field name. *ControlChannel* VARCHAR(12) R/N Describes key settings of the control equipment. As defined by the network. This field repeats for each CONTROLEQUIPMENTNUMBER. Required for each CONTROLEQUIPMENTNUMBER provided.	IEC agree updated
161	Endeavour Energy		4.2	Table 7 This field should be M/N Change the case for CONTROLEQUIPMENTNUMBER to ControlEquipmentNumber to be consistent with the field name. Change the highlighted word 'Required' to be Mandatory *ControlConnectedMeterNumber* VARCHAR(12) R/N Faceplate serial number of the meter connected to the control equipment. This field repeats for each CONTROLEQUIPMENTNUMBER. Required for each CONTROLEQUIPMENTNUMBER provided.	IEC refer to response for item 159

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
162	Endeavour Energy		4.2	Table 7 This field should be M/N Reword the following sentence to read: This field repeats if more than one transformer has been installed at completion of the field work. *TransformerNumber* VARCHAR(12) R Faceplate serial number of the instrument *transformer* that has been installed. This field repeats if more than one *transformer* has been installed at the same time.	IEC agreed field use updated Rewording accepted New wording added - This field is not required if a transformer has not been installed
163	Endeavour Energy		4.2	Table 7 This field should be Mandatory if a transformer is installed therefore the use should be M/N *TransformerType* VARCHAR(20) R Describes the type of instrument *transformer*. Allowed values: • CT – An equipment used to transform current levels • VT – An equipment used to transform voltage levels This field repeats for each *TransformerNumber*.	IEC agreed field use updated New wording - This field is not required if a transformer has not been installed
164	Endeavour Energy		4.2	Table 7 This field should be Mandatory if a transformer is installed therefore the use should be M/N *TransformerRatio* VARCHAR(20) R Describes the instrument *transformer* connected ratio. E.g. 100/10.	IEC agreed field use updated. New wording – This field is not required if a transformer has not been installed

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
165	Endeavour Energy		4.2	Table 7 This field should be Mandatory if a transformer is installed therefore the use should be M/N *TransformerConnectedMeterNumber* VARCHAR(12) R Faceplate serial number of the *meter* connected to the instrument *transformer*. This field repeats for each TransformerNumber.	IEC No change as VT transformer can service more than one meter
166	Endeavour Energy		4.2	Table 7 This field should be Mandatory if equipment is removed therefore the use should be M/N *RemovedEquipmentNumber* VARCHAR(12) R Faceplate serial number of the removed equipment. This field repeats if more than one meter or network device or other equipment has been removed at the same time.	IEC agreed field use updated New wording - This field is not required when no meter has been removed or repurposed or equipment number cannot be identified.
167	Endeavour Energy		4.2	Table 7 Correct the spelling of Field as highlighted *FieldWorkDateTime* DATETIME(12) M The date and time of when the field work was completed	IEC agree updated

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
168	Endeavour Energy		4.2	Table 7 Reword the following sentence to read: This field repeats if more than one equipment has been removed at completion of the field work. *RemovedEquipmentNumber* VARCHAR(12) R Faceplate serial number of the removed equipment. This field repeats if more than one meter or network device or other equipment has been removed at the same time.	IEC agree updated Reworded This field repeats if more than one *meter* or *network device* or other equipment has been removed at the completion of field work.
169	Endeavour Energy		4.2	Table 7 1. This field should be Mandatory if equipment is removed therefore the use should be M/N 2. The italics on NetworkDevice should be removed also *RemovedEquipmentType* VARCHAR(25) M/R Describes the type of equipment that was removed. Allowed values: • BASIC *METER* – A *meter* that is classified as a type 6 meter • INTERVAL *METER* – A *meter* that is not classified as a type 6 meter • *NETWORK DEVICE* – As per the NER • CONTROL EQUIPMENT – An equipment used to control the load • INSTRUMENT TRANSFORMER – An equipment used to transform voltage or current levels This field repeats for each *RemovedEquipmentNumber*. Mandatory for each *RemovedEquipmentNumber* provided.	IEC agree field use updated Italics removed. New wording - This field is not required when equipment has not been removed

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
170	Endeavour Energy		4.2	Table 7 This field should be Mandatory if equipment is removed therefore the use should be M/N Change the highlighted word required to mandatory. *RemovedMeterReading* VARCHAR(15) M/R Register read for the corresponding register. Values must include any leading zeros and trailing zeros as per the physical dial format. Values must be exclusive of meter multipliers. This field is required for each *RemovedRegister*. Mandatory if the *RemovedEquipmentType* is BASIC *METER*.	IEC agree field use updated. New wording - This field is mandatory for each *RemovedRegister.* Mandatory if the *RemovedEquipmentType* is Basic Meter or where a Basic Meter is repurposed and left onsite.
171	Secure Meters		b. – Table 7 RemovedRegister	The field RemovedRegister is listed as M/N for the Register identifier of the basic meter, how does a new MPB supply this information if they have no way of confirming how the old MPB had it set up in MSATS? We understand the purpose of recording the final meter reads is to automation to avoid the overhead of phoning the old MPB, i.e. often the LNSP. So rather than require the new MPB to understand the logic of the old MPB's physical to virtual register ID mapping, we suggest that the register reads be recorded in the order the physical registers are defined in the meter. In this way the old MPB will know how to map. In addition the significant number of meters that have one or register can be efficiently handled unambiguously.	IEC agreed. New wording - Register identifier of the removed basic *meter.* Register reads to be recorded as displayed in the meter. This field may repeat more than once for each *RemovedEquipmentNumber*. Mandatory if the *RemovedEquipmentType* is Basic Meter.

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
172	Endeavour Energy		4.2	A new field should be added to the Notice Of Metering Works called 'RemovedMeterLoadType'. The format should be VARCHAR(15), the use should be mandatory if the RemovedEquipmentType is BASIC METER, and the definition should be 'The load type associated with the RemovedRegister. The allowable values are: General Supply, Controlled Load, Net Generation, Gross Generation, TOU Peak, TOU Shoulder, TOU Off Peak. This field is mandatory for each RemovedRegister.' This extra field is required to enable validation of the RemovedRegister. For example if a Removed Register of 53 is provided and a RemovedMeter LoadType of Controlled Load is provided then this may raise an exception.	IEC No change refer to response for item 171. This has removed to need for this additional field as the field technician can only read the registers as they read on the meter. Mapping will need to be done back in the office once the NOMW has been received.
173	United		4.2	**Table 7 - FieldWorkDate/Time –** make it clear that this is EST (not local time). Reason is that it may need to be matched against Meter churn data which is only at EST.	IEC new clause has been added to 1.2. B2B field work has always been in local time.
174	United		4.2	**Table 7 - Energisation Status** - Capitalise 'Active' and 'Not Connected' in line with the other values	IEC section updated to be consistent. Capitalisation removed.
175	United		4.2	**Table 7 – Primary Voltage** - the Voltage list is not correct. Change 415V to 400V (It will then be consistent with 230V phase to neutral)	IEC agree updated

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
176	United		4.2	**Table 7 – Latitude:** The example and representation of Latitude as described is not the most modern and effective that could be selected, and it allows for too much interpretation in format. Parsing and using Degrees / Minutes/ Seconds as the description implies is unnecessarily complicated. Hence the recommendation to use decimal degrees- a more commonly used format (eg by Google). **Change Format to** : NUMERIC (s2.7) [Note this field format is defined in Tech Delivery Spec Table 3] **Change description to**: The angular measurement North or South of the equator in decimal degrees (to 7 decimal places). Angles South of the equator will be represented as negative values. Eg -37.8886755	IEC agreed updated

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
177	United		4.2	**Table 7 – Longitude**: The example and representation of Longitude as described is not the most modern and effective that could be selected, and it allows for too much interpretation in format. Parsing and using Degrees / Minutes/ Seconds as the description implies is unnecessarily complicated. Hence the recommendation to use decimal degrees- a more commonly used format (eg by Google). **Change Format to** : NUMERIC (s3.7) [Note this field format is defined in Tech Delivery Spec Table 3] **Change description to:** The angular measurement East or West of the prime meridian in decimal degrees (to 7 decimal places). Angles East of the Prime Meridian (eg Australia) will be represented as positive values. Eg +145.1410361	IEC refer to response for item 176
178	United		4.2	**Table 7 – Total Removed Meters** : Change format to NUM(2)	IEC agree corrected

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
179	United		4.2	**Table 7 – Removed Register**– The description for this says that it is a repeatable field – However the description needs to be clearer that Removed Register and Removed Register Reading, must be as a repeating PAIR. **Change text to read:** This field may repeat more than once for each *RemovedEquipmentNumber*, with each *RemovedRegister* paired with the corresponding *RemovedRegisterReading* such that the group repeats.	IEC No change to reflect pairing, believe wording sufficient. Section has been reworded refer to response for item 171
180	SA Power Networks		4.2 – Table 7	Lattitude & Longitude Fields SA Power Networks suggest referencing AS4590 this is the Australian Standard for the interchange of client information (relevant clauses 5.18.4 & 5.18.5). SA Power Networks also recommends changing the data type to numeric 14 character to align with the standard. This makes the coordinate format decimal degrees not a degrees minutes seconds format (decimal degrees will be easier to validate and less prone to data entry and formatting errors).	IEC Refer to response for item 176

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
181	Red Energy & Lumo Energy		4.2(b)	This transaction is designed to capture information about the equipment added/removed on site that can be obtained by the field technician performing the work. This is about the field technician providing information to the DNSP not the other way around.	IEC Reworded. This transaction is designed to capture information required by the distributors from the field technician about the equipment added/removed on site.
182	Aurora Energy		Table 7	Aurora Energy comment: heading needs to attach to table	IEC agree updated
183	Aurora Energy		4.3	Aurora Energy comment: Heading on wrong page but could be under 4.2 if heading changed as requested make 4.2.2	IEC agree all formatting corrected
184	United		4.3	**NotifiedParty Transaction Data.** As has been done for NMW 4.2 (a) – There needs to be a clause added that explains that the Notified Party Transaction is a new transaction type. Add the following: (a) The Notified Party message is defined as; (i) Transaction Type –*NotifiedPartyTransaction*	IEC agree updated
185	United		4.3	**Table? – ActualdateAndTime** : make it clear that this is EST (not local time)	IEC refer to response for item 173

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
186	EA		4.3.1	Please confirm does RecipientID field – contain the participant ID of the recipient from the SO Request, or the participant ID of the new party to be notified?	IEC the RecipientID is the ID of the Participant who received the service order to perform the work. The data in Table 9 is Meta Data that has been derived from the payload.
187	VECTORAMS	4.3.1	4.3.1	VectorAMS recommend relocating (a) to Section 3.1 for consistency as this section relates to timing points for the Notified Party Transaction. Further, VectorAMS recommend inclusion of an illustration similar to Figure 1 specifically for the Notified Party transaction to remain consistant with the other transactions.	IEC Additional clauses added to section 3. Figure 1 has been made more generic. Section 4.2.5 restructured.
188	Active Stream		4.3.1	Timing Point Table has not titled as a table. Suggest Table 8	IEC agree updated

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
189	Active Stream		4.3.1	Field Table NotificationStatus: what about the SO cancelled status? This is a requirement so that Notified Parties can take remediating measures to any internal processes they may apply to the original notification. i.e. flagging a De-energisation notification which is cancelled and not communicated. What happens if the meter goes off comms for another reason?	IEC Updated guide with how a cancellation will work. If the initiator is managing the Notified party transaction they will need to create a transaction manually when a not completed response is received from the original service order (following a cancel) If it's done by the hub the hub will send a transaction to the notified parties once it receives the not completed response of the original service order. Also refer to TDS 8.1.1
190	Aurora Energy		4.3.1	Aurora Energy comment: Both tables need a heading	IEC agree updated
191	Aurora Energy		4.3.1	Aurora Energy comment: Second table indicates InitiatorID & RecipientID are in the XML but they are already in the header of the message under Table 2. This also does not show in the XML's sent trough as example of the new schemas.	IEC The data in Table 9 is Meta Data that has been derived from the payload.

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
192	ActewAGL		4.3.1	Table number missing (which means table numbers for 5 need updating)	IEC agree updated
193	ActewAGL		4.3.1	Table number missing Remove space as these are field names *ServiceOrder SubType* *ActualDate AndTime*	IEC agree updated
194	ActewAGL		4.3.1		
195	ActewAGL		4.3.1	Payload note states not an actual field, but when referring to the sample file, <Payload> exists. Sample file does not align to specs	IEC field of payload has been changed to *RefTransaction*.
196	ENERGYAP, TCAMP, TCAUSTM		4.3.1	**Table ??? (not labelled)** InitiatorRole must be included in the Notified Party Transaction. This allows system validation to ensure the transaction is coming from a valid source and potentially drives further backend system logic.	IEC table labled Refer 39 for answer to Initiator Role

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
197	Pacific Hydro		4.3.1	*RecipientID* Recipient's Participant ID of the ServiceOrderRequest Please clarify if this is the Notified Party ID where the transaction is informing them of the status of the service order request i.e. SO Requested, SO Rejected, SO Completion. If the transaction is advising of a Rejection by the Notified party, is this being sent to the Recipient participant ID?	IEC the RecipientID is the ID of the Participant who received the service order to perform the work. Updated to SORecipientID The data in Table 9 is Meta Data that has been derived from the payload.
198	Endeavour Energy		4.3.1	Table 7 Replace the word 'trigger' with NotificationStatus Replace the word 'may' with must *Payload"* aseXML M Copy of the transaction the notification relates to. Depending on the trigger of the notification, the 'payload' may be one of the following: • ServiceOrderRequest • *BusinessAcceptance/Rejection* (sent by the Recipient in response to the ServiceOrderRequest) • ServiceOrderResponse • *BusinessRejection* from incorrect Notified Party Refer to the B2B Procedure Service Order Process for the transaction data definitions.	IEC agree updated.
199	Active Stream		4.3.1.	The 'Field' table has not been titled. Suggest Table 9	IEC agree updated

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
200	Red Energy & Lumo Energy		Notified Party	*ScheduledDate* DATE M *ScheduledDate* as specified in the ServiceOrderRequest. *ActualDateAndTime* DATETIME R *ActualDateAndTime* as specified in the ServiceOrderResponse. Should be R not M dependent on the type of notified party notification (i.e. COM or REQ) Also needs a heading.	IEC No change current wording adequate
201	Aurora Energy		Table in 4.3.1	Aurora Energy comment: NotificationStatus SO rejected / Accept if opted in to receiving all	Agree add accept

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
202	Simply		5	Table 10 BusinessAcceptance/Rejection data for NoticeOfMeteringWorks and NotifiedParty Considering it's a NotifiedParty's BusinessAcceptance/Rejection, looking at Table 11's codes • If the EventCode is "0" i.e. Accept, e-hub will absorb this transaction? • If the EventCode is "1923" i.e. Reject, e-hub will create a NotifiedParty transaction as per section 4.3? This is a bit confusing and hence sample XMLs will be highly beneficial for participants in order to configure the correct transaction.	IEC Update table to align with the addition of accept.
203	ActewAGL		5	Fix table numbers	IEC agree updated

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
204	Endeavour Energy		5	Table 8 Remove the underline and update the reference to Figure 11 to Table 11 Status | Enumeration | M | Allowed values Accept Reject A code to indicate the reason for the rejection. Applicable codes are in Figure 11	IEC agree updated
205	Endeavour Energy		5	Table 9 Remove the existing text and replace with a reference to Table 11 EventCode | NUMERIC(4) | M | Non negative number. An event code of 2003.	IEC agree updated
206	Endeavour Energy		5	Table 10 Include a reference to Table 11 *EventCode* | NUMERIC(4) | M | A code to indicate acceptance or the reason for the rejection.	IEC agree updated
207	Endeavour Energy		5	Table 10 Replace NMI with NomwID *KeyInfo* | VARCHAR(15) | M | In response to a NoticeOfMeteringWorks, the *NMI* of the transaction being rejected. In response to a NotifiedParty transaction, the *ServiceOrderID* that the notification relates to.	IEC Agree update table heading as well.

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
208	Active Stream		5 (a)	Renumber table due to missed Table numbering in section 4.3.1 Table 8 amend to Table 10	IEC agree updated
209	EA		5 (table 8 and table 9)	In the scenario of a MFN transaction, the file can only be accepted or rejected. Given market churn rates, this will prove problematic. The payload may refer to sites the retailer no longer is responsible for – retailer responsibility of NMIs changes constantly. Given the current design of this transaction, there is the risk that the MFN will constantly be rejected if a Retailer is no longer FRMP for associated NMIs in the MFN transaction. With this in mind, it would be more beneficial for a 'partial accept' to be an allowed response from the MFN transaction. This will prevent transactions being rejected by participants if there has been recent market churn.	IEC No change been changed to xml
210	Active Stream		5(b)	Renumber table due to missed Table numbering in section 4.3.1 Table 9 amend to Table 11	IEC agree updated
211	Active Stream		5(b)	Renumber table due to missed Table numbering in section 4.3.1 Table 10 amend to Table 12	IEC agree updated

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
212	Red Energy & Lumo Energy		KeyInfo – Table 9 and Table 10	Why is the KeyInfo not identical elements? In Table 9 it's a NUMERIC(8) and in Table 10 it's a VARCHAR(15). Please make consistent.	IEC agree corrected
213	AGL		5.1	Table 11 – Recipient no responsible Is there any reason this code wouldn't apply to other OWNs – eg PIN (Network NMI used by another Netowkr / ENM), Tariff – same reason etc.	IEC All xml to be added here
214	Active Stream		5.1	Renumber table due to missed Table numbering in section 4.3.1 Table 11 amend to Table 12	IEC agree updated
215	ActewAGL		5.1	Fix table numbers	IEC agree updated

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
216	ENERGYAP, TCAMP, TCAUSTM		5.1	**Applicable Events** The NoticeOfMeteringWorks and NotifiedParty transactions must be allowed to have a Reject code where the XML received is not correctly formatted or is not valid and cannot be loaded. Ausgrid recommends the NoticeOfMeteringWorks and NotifiedParty transactions are added to all Business Events in Table 11. As a major transaction we need to have valid rejection options for it, to be able notify the sending party if the transaction has not been accepted by us. Ausgrid also recommends more Business Events for the NoticeOfMeteringWorks transaction including:- • Invalid To Participant • Invalid NMI • Removed Meter does not exist • Invalid Meter Readings – Removed Meter Invalid RegisterID – Removed Meter	IEC Invalid meter read to be inserted all others are covered by existing codes

<table>
<tr><th>Reference No</th><th>Participant Name</th><th>Old Clause No</th><th>New Clause No</th><th>Comments</th><th>IEC Response</th></tr>
<tr><td>217</td><td>Endeavour Energy</td><td></td><td>5.1</td><td>Applicable Events

Endeavour Energy's submission in the first stage consultation included the addition of new Business Events for use with the new NMW transaction.

<table>
<tr><td>108</td><td></td><td>Figure 11</td><td>Endeavour</td><td>Add the following to the event codes to be used when the Recipient validates the NMW:
Meter and NMI combination invalid
Final meter reading failed validation
Meter register invalid</td><td>Editorial</td><td>Codes 201 and 202 can be used for these errors with the exception of Meter Register but this field has been removed from the transaction data anyway.</td></tr>
</table>

The response from AEMO/IEC state that codes 201 and 201 can be used however that is not reflected in the published draft determination. Use of these codes is restricted to CSV payload OWN's only.

<table>
<tr><td>Data Missing. Details provided in explanation</td><td>Yes</td><td>Error</td><td>CSV Payload OneWayNotifications only</td><td>201</td><td>Standard aseXML Code

Used where data with a usage of required in the Procedure is missing</td></tr>
<tr><td>Invalid Data. Details provided in explanation</td><td>Yes</td><td>Error</td><td>CSV Payload OneWayNotifications only</td><td>202</td><td>Standard aseXML Code

Covers situations where the data used in individual or combinations of fields is invalid</td></tr>
</table>

In light of this, Endeavour believe the creation of new events as per our first stage submission should be reconsidered by AEMO/IEC as they will assist MP's in managing transactions that fail as the event will be specific to the issues encountered by the LNSP in processing their data.</td><td>IEC

Table has been reformatted. 201 & 202 now available to all transactions.</td></tr>
</table>

Reference No	Participant Name	Old Clause No	New Clause No	Comments	IEC Response
218	Endeavour Energy		5.4	Table 6 Not known to Initiator should be replace with Not Known to cater for multiple parties now storing this data. *HazardDescription* VARCHAR(80) M This field repeats to allow the reporting of multiple hazards. Standard values One or more of the following standard values can be used, where applicable. • Customer Reports No Hazard • Dog • Electric Fence • Customer Caution • Electrical Safety Issue • Asbestos Fuse • Asbestos Board • Not Known To Initiator Any other hazards should be fully described, without using abbreviations. This information is permanent for the Site and can only be changed by a new SiteAccessNotification.	IEC – no change. As this transaction can be raised by any Participant, the Participant (Initiator) who is raising the transaction will be the one who is advising that they do not know about any hazards. This feedback was supplied in OWN instead of CDN.
219	Red Energy & Lumo Energy		Pg 19	Figure 11 is mentioned but Table 11 exists.	IEC agree updated
220	Red Energy & Lumo Energy		Pg 8	Figure 3 is mentioned but does not exist.	IEC agree corrected