

B2B Procedures

- Technical Delivery Specifications

CONSULTATION – SECOND Stage

CONSOLIDATED PARTICIPANT
CONSULTATION RESPONSES

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1. Issues for Consultation #3: Transaction Groups

Participant	Comments
Aurora Energy	<p>ISSUE for Consultation –Transaction Groups are included in the Technical Delivery Specification, these have in the past been associated with each procedure document i.e. SOP, OWN, MDP etc. The B2B WG would like to add new groups, to enable participants to use different protocol methods to send different Transaction group transactions: D.</p> <p>Option 1: Add new Transaction groups by individual transaction i.e. Remote Services Request (RSR), Notified Parting Transaction (NPT or NPN) and Notice of Metering Works or any further additional transactions E.</p> <p>Option 2: Add new types based on procedure i.e. MDPR – indicating remote meter data transaction or OWNX indicating XML payload One Way notifications. F.</p> <p>Option 3: Maintain current list and practice of only having one transaction group per procedure, thereby limiting participants to choose a protocol method for sending all transactions by procedure.</p> <p>Aurora Energy comment: Aurora Energy preference is option 2</p>
AusNet Services	<p>AusNet Services considers that Option 3 is the lowest cost and most prudent choice for the industry, unless as mentioned above, B2B Parties had the capability to configure the e-Hub to automatically reject transaction groups on their behalf based on the Transaction group. That way B2B parties not interested in providing certain service would not have build the capability to process and reject new transactions or to only use eHub for services they offer. This may help small B2B parties operate in areas of the market where they have capabilities to do so and reduce their setup costs.</p> <p>[refer to consultation response item 31 for further comments]</p>
CitiPower Powercor [SA Power Networks]	<p>Transaction Groups</p> <p>CitiPower Powercor recommends Option 2 is adopted as we don't believe the existing Transaction groups are appropriate for the new transactions being developed. We also believe that creating a new group per transaction is overkill but would prefer Option 1 over Option 3.</p>

Participant	Comments
Endeavour Energy	Endeavour Energy supports the creation of new transaction groups to enable participants to use different protocol methods to send different transaction group transactions. Option 1 - add new transaction groups by individual transaction provide a more flexible solution.
Origin Energy	Option 3 - maintain current process
Pacific Hydro	Issue for Consultation: Pacific Hydro supports option 2 to add new transaction groups based on the Procedure.
SA Power Networks	Transaction Groups SA Power Networks recommends Option 2.
TasNetworks	Impartial to the outcome
United Energy	Transaction Groups: UE strongly recommend that the new transactions not be shoe-horned into the existing transaction groups, but instead new transaction groups are created to allow more flexible gateway routing and choice of protocols. Option 2 is UE's preferred approach because it will result in fewer groups to maintain.
VECTORAMS	In response to consultation issue 3 – 'Transaction Groups', VectorAMS does not support the current drafting. VectorAMS supports option 1. Each transaction should be in its own group so that participants have flexibility to choose the delivery protocol – FTP or WebServices. [Refer to consultation response item 99 for additional comments.]
Energex & Ergon Energy	ISSUE for Consultation 3 Option 1 (D) is our preferred option as breaking the transaction groups to individual transactions removes the restrictions placed on a group of transactions – i.e. the OWNPN is now split between CSV and aseXML payloads.

Option	Count
1 - Add new Transaction groups by individual transaction	3
2 - Add new types based on procedure i.e. MDPR – indicating remote meter data transaction or OWNX indicating XML payload One Way notifications	5
3 - Maintain current list and practice of only having one transaction group per procedure	2
No preference	1
Total Responses to consultation issue #3	11

A focus group consisting of a subset of SWG and B2BWG members supported the outcome of the preferences received in the consultation responses for Option 2 – creating transaction groups by procedure.

The NotifiedParty transaction, although defined in the One Way Notification Procedure along with the NoticeOfMeteringWorks, was deemed to be markedly different in usage and therefore given a separate Transaction Group. This was also supported by the broader B2BWG.

Additionally, it was also agreed by the B2BWG that the PlannedInterruptonNotification and MeterFaultandIssueNotification transactions were more appropriate as XML based transactions rather than CSV based.

The new Transaction Groups are as follows:

- **'MRSR'** for RemoteServicesRequest and RemoteServicesResponse
- **'OWNX'** for NoticeOfMeteringWorks, PlannedInterruptonNotification and MeterFaultandIssueNotification
- **'NPNX'** for NotifiedParty transaction

2. Technical Delivery Specifications

ID	Participant	New Clause	Type	Comments	IEC/AEMO Response
1	SA Power Networks		Note	<p>Please refer to CitiPower and Powercor feedback.</p> <p>SA Power Networks support this response and would like these comments to be also noted and recorded as coming from SA Power Networks.</p>	Noted.
2	AGL	?	Clarification	Missing section about Synchronous (Instant Request/Response) Web Service capability. In the SWG meetings it was mentioned that the e-Hub will provide this capability.	<p>The e-Hub will provide the functionality of synchronous messaging; details will be covered in the SMP Technical Guide (previously referred to in the draft TDS as the 'SMP User Guide').</p> <p>As the usage of synchronous messaging is bi-laterally arranged and the messages patterns are different to the asynchronous patterns described in the TDS, it has been intentionally left out of the TDS to avoid confusion.</p>
3	Pacific Hydro	[old 7.5]	Note	Agree the Service Paperwork Reference Table is not a technical document, nor is the Guide a suitable document for this. It should be placed in the Service Order Procedure.	<p>Noted; no change required.</p> <p>The Service Paperwork Reference Table is currently maintained as a separate document that is only referenced by the Service Order Procedure.</p> <p>The B2BWG agreed that this should be continue to be the case, given the IEC directive, and that the B2B Guide was the most appropriate location for this.</p>

ID	Participant	New Clause	Type	Comments	IEC/AEMO Response
4	Pacific Hydro	[old 7]	Note	Agreed the ROCL is not a Technical Document but needs to be placed in an appropriate Procedure to ensure participants update the list and it is appropriately managed by the industry.	Noted, however the ROCL requirement will not be placed in a Procedure. The ROCL is used by both retail electricity and gas. There is no obligation for maintaining the ROCL in any gas Procedures and yet it is still proactively updated and maintained. The maintenance of this list is in the best interests of participants and end use consumers; and as evidenced by retail gas, it is unlikely to cause an issue by not being explicitly defined in a Procedure.
5	Aurora Energy	All Figures (1 – 21)	Editorial	Aurora Energy comment: Heading needs to be at the top as per all other documents	Noted; however due to time constraints this has not been changed.
6	Endeavour Energy	General	Note	The procedure makes several references to the SMP User Guide. However, this guide is not currently available. Without this guide, some parts of the procedure are not fully defined.	Refer to item 10.
7	VECTORAMS	General	Clarification	VectorAMS would like AEMO to clarify if support to use a secure connection to the AEMO B2B hub over the internet will be provided with this program of work? The existing VPN has bandwidth limitations which unnecessarily impacts participants systems performance. Obviously participants can pay for higher bandwidth but most cases participants already have high volume internet capabilities in place that could be utilised instead. Can participants use the internet to connect to the e-hub?	Yes, it will be possible to connect to the e-Hub via the Internet; refer to clause 5.5.3(a).
8	VECTORAMS	General	Clarification	VectorAMS understands that the e-hub was to provide a method of subscribing (or not) to individual transactions. Where a transaction was not subscribed to the e-hub would not forward these types of transactions. VECTORAMS cannot see any reference to it in the technical specification. Is this functionality supported? If so, what is the method of subscribing?	This was initially put forward as additional functionality, but confirmed during subsequent discussions that the e-Hub would not be providing this functionality.







ID	Participant	New Clause	Type	Comments	IEC/AEMO Response
9	VectorAMS	N/A	Clarification	VectorAMS requests clarification on when the B2B Schema Build pack will be available.	<p>The Draft Determination Report originally indicated a version would be made available on or before the Final Determination date, however this is no longer possible due to changes made between Draft and Final that impact the schema.</p> <p>An updated version of the B2B Schema Build Pack, or 'B2B AseXML Mapping (Guide)', is also dependent on approval by the ASWG (aseXML Standards Working Group) of the proposed r36 schema changes.</p> <p>Industry will be advised when the 'B2B AseXML Mapping (Guide)' and other documents e.g. SMP Technical Guide will be made available.</p>
10	AusNet Services	1.1	Note	AusNet Services notes that the drafting for the Technical Delivery Specification makes multiple references to the SMP User Guide for clarifying or additional detail. The SMP User Guide is not yet available thereby making a holistic review of the technical operation of the e-Hub impossible. The SMP User Guide is not required under the Rules or subject to Consultation. Therefore we consider the B2B Procedures: Technical Delivery Specification must be complete without making reference to the SMP User Guide, and references to the SMP User Guide should either be removed altogether or replaced with meaningful content.	<p>Noted.</p> <p>The B2B Technical Delivery Specifications is not intended to provide a complete view of the technical operation of the e-Hub, and meets the requirements of the B2B Procedures as per National Electricity Rules 7.17.3.</p>

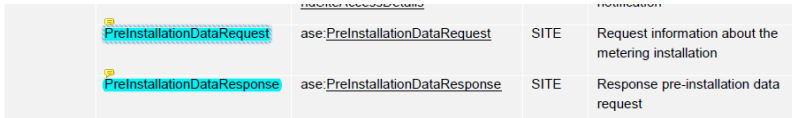
ID	Participant	New Clause	Type	Comments	IEC/AEMO Response
11	Pacific Hydro	1.1 (b)	Clarification	<p>(b) This Procedure also defines baseline configuration settings applicable to the MSATS B2B Handler e-Hub for the delivery of (national) B2B Transactions (i.e. the configuration of the MSATS B2B Handler and SMP Hub that is required by the industry to support National B2B Standards).</p> <p>As this is the first reference to the concepts of the e-Hub, SMP Hub and MSATS B2B Handler, please explain how these three ‘entities’ operate e.g. are they separate entities or is the SMP Hub and B2B Handler part of the e-Hub?</p>	<p>Definitions of the e-Hub, MSATS B2B Handler and the SMP Hub are found in section 1.6 Terminology.</p> <p>Update 1.1 (c) as follows:</p> <p>(c) This Procedure also defines baseline configuration settings applicable to the e-Hub for the delivery of (national) B2B Transactions (i.e. the configuration of the e-Hub MSATS B2B Handler and SMP Hub that is required by the industry to support National B2B Standards).</p> <p>Clause 1.1(d) has also been updated with reference to Figure 23 which illustrates that the e-Hub is made up of the MSATS B2B Handler and the SMP Hub.</p>
12	AusNet Services	1.2	Editorial	1.2.a.i and ii refers to the TDS as a procedure. This is not correct.	<p>No change.</p> <p>The B2B Procedure: Technical Delivery Specification is a B2B Procedure.</p>
13	AGL	1.3	Editorial	Location for SMP User Guide missing. Assuming this will be a new document.	<p>Noted; yes the SMP User Guide, renamed SMP Technical Guide, will be a new document.</p> <p>The location of all related documents will be updated for Final Determination.</p>
14	AusNet Services	1.3	Editorial	Suggest that the B2B Guide should also be a related document.	Accepted.

ID	Participant	New Clause	Type	Comments	IEC/AEMO Response
15	AusNet Services	1.4	Change	Suggest that points within 1.4 do not need to be in a grey box	These are pre-existing clauses that were already contained in grey boxes. Clause (d) will be added into the grey box as it is a similar statement to (c).
16	AusNet Services	1.5	Editorial	Note - American spelling ("endeavors")	Accepted.
17	Aurora Energy	1.5 (a)	Editorial	Each Participant and AEMO agrees to use reasonable endeavors Aurora Energy comment: Should read "endeavours"	Refer to item 16.
18	AGL	1.6	Editorial	Page 12 – MSATS Notification – "[Refer B2B Procedure Service Orders Process]"	Updated to remove reference to Service Order Procedure.
19	AGL	1.6	Change	Should "Notified Party" be added to the glossary as it differs from Recipient	No change required; Notified Party is defined in the Glossary & Framework.
20	AGL	1.6	Change	Propose consolidation of glossary into a single one in the B2B Guide.	Refer to item 24.
21	AGL	1.6	Editorial	Pages 13 and 14 – Stop File and Warning File – in the description should it read "...Participant's FTP Outbox or Webservices message queue ..." instead of "...Participant's FTP Outbox of Websevice message queue ..."	Agreed, replaced 'of' with 'or'.
22	AGL	1.6	Editorial	Page 14 – swap definition text between "Water Mark – Low" and "Water Mark – Warn"	Agreed.

23	AGL	1.6	Clarification	<p>Page 14 – when a low water mark is reached are stop file and warning file removed? It currently mentions only removal of the stop file.</p>	<p>References to warning files have been deleted from the document, this was incorrectly defined.</p> <p>When the warn water mark is reached, a Stop File is placed in the Stopbox of all Participants. If the high water mark is reached, a Stop File is placed in Outbox of the affected Participant. When the message queue falls below low water mark, the Stop File is removed from both the Outbox of the affected Participant and Stopboxes. The following changes have been made:</p> <p>‘Water Mark – Warn’ has been updated to:</p> <p>“A warn water mark is a warning limit of a message queue scale. When a message queue reaches this limit a Warning File is generated. a Stop File is placed in the Stopbox of all the Participants stating that the impacted Participant is having issues in processing the files/messages.”</p> <p>‘Water Mark – High’ has been updated to:</p> <p>“A high water mark is an upper limit of a message queue scale. When a message queue reaches this limit a Stop File is generated in the Outbox of the Participant.”</p>
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ID	Participant	New Clause	Type	Comments	IEC/AEMO Response
					Section 5.5.9 has also had corresponding editorial changes to align with removal of the term 'warning file'.
24	Aurora Energy	1.6	Change	Aurora Energy comment: Unsure why so many terms have been removed but are not included in the Glossary	<p>The intent was for the definitions defined in the TDS to only include technical terminology. AEMO legal already completed a review of the original list of terms in section 6 of v2.2 B2B Procedure: Technical Guidelines, and incorporated definitions into the Glossary & Framework where it believed was appropriate.</p> <p>To avoid confusion, the following terms have also been removed: Business Document, Business Signal, Initiator, Notification and Recipient – as they are already defined in the Glossary & Framework.</p>
25	Aurora Energy	1.6	Editorial	aseXML Document Aurora Energy comment: Remove bracket	Agreed.
26	AusNet Services	1.6	Change	Recommend this is removed and placed into the Glossary and Framework document as having two sources of terminology definition presents a risk of contradiction.	Refer to item 24.
27	CitiPower Powercor	1.6	Change	Terminology CitiPower Powercor recommends the definition of 'Recipient' is expanded and clarified as currently it is unclear whether it applies to a Notified party? If not, then clear definitions are needed for both.	Refer to item 19.
28	Acumen Metering	1.6, Page 14	Editorial	Definitions are transposed – The Water Mark – Low definition related to the Water Mark – Warm Term	Refer to item 22.

ID	Participant	New Clause	Type	Comments	IEC/AEMO Response				
29	Endeavour Energy	1.6, Terminology	Editorial	<div>Delete the square bracket</div> <table><tr><td>aseXML Document</td><td>See aseXML Message </td></tr></table>	aseXML Document	See aseXML Message 	Refer to item 25.		
aseXML Document	See aseXML Message 								
30	Endeavour Energy	1.6, Terminology	Editorial	<div>The definitions are around the wrong way for Water mark low and warn:</div> <table><tr><td>Water Mark – Low</td><td> A warn water mark is a warning limit of a message queue scale. When a message queue reaches this limit a Warning File is generated.</td></tr><tr><td>Water Mark - Warn</td><td>A low water mark is a lower limit of a message queue scale. When a participant message queue reaches this limit a Stop File would be removed if present.</td></tr></table>	Water Mark – Low	 A warn water mark is a warning limit of a message queue scale. When a message queue reaches this limit a Warning File is generated.	Water Mark - Warn	A low water mark is a lower limit of a message queue scale. When a participant message queue reaches this limit a Stop File would be removed if present.	Refer to item 22.
Water Mark – Low	 A warn water mark is a warning limit of a message queue scale. When a message queue reaches this limit a Warning File is generated.								
Water Mark - Warn	A low water mark is a lower limit of a message queue scale. When a participant message queue reaches this limit a Stop File would be removed if present.								
31	AusNet Services	2.11	Editorial	<div>AusNet Services notes that some of the Business Document names been altered but not the correspondingly mapped aseXML Transaction? This can lead to confusion. The names should be aligned wherever possible. Particularly the mapping between "ProvideMeterDataRequest" --> "ase:MeterDataMissingNotification", and "VerifyMeterDataRequest" -> "MeterDataVerifyRequest".</div> <hr/> <div>AusNet Services is aware that there is support among participants for the introduction of transaction sub-groups within procedures. We would only support the introduction of transaction sub-groups if the e-Hub configuration is established in a way that allows B2B Parties to configure the e-Hub to reject automatically transactions that a recipient does not support (such as remote services). Given this configuration model must be established within the e-Hub to allow participants to nominate a protocol for each procedure, extending this to a service-provisioning function would allow for a centralised management that allows participants to avoid the cost of building gateway functions to reject transactions that are not supported. Without this e-Hub capability we consider the introduction of transaction sub-groups an imprudent decision by the industry.</div>	<div>No change.</div> <div>The Business Document /aseXML Transaction for PMD and VMD are existing transactions. VMD (<u>VerifyMeterDataRequest</u>) was updated from MeterDataVerifyRequest due to misalignment between the TDS and the Meter Data Process B2B Procedure (v2.2 referred to the Business Document as <u>VerifyMeterDataRequest</u>).</div> <div>In relation to the new transactions introduced as part of this consultation, Business Document /aseXML Transaction are aligned to avoid confusion.</div> <hr/> <div>Transaction Sub-groups will not be introduced. Refer to outcome of consultation issue #3.</div>				

ID	Participant	New Clause	Type	Comments	IEC/AEMO Response
32	Endeavour Energy	2.11	Change	Table 1 The Remote Service Request and Response should be in a new transaction group RSR.	Table 1 updated per the outcome of consultation issue #3.
33	Endeavour Energy	2.11	Editorial	The highlighted business documents need to be underlined 	<u>PreInstallationDataRequest</u> and <u>PreInstallationDataResponse</u> have been removed by the IEC.
34	United Energy	2.11	Change	Table 1 Meter Data: The <i>Remote Service Request</i> and <i>Remote Service Response</i> are shown as belonging to Transaction Group MTRD. It is very important that these transaction are placed in their own NEW transaction group to allow gateway routers to separately handle these and to allow participants to implement these two transaction as Web Services if they choose whilst keeping the other meter data transactions as FTP. Change the Transaction Group for <i>Remote Service Request</i> and <i>Remote Service Response</i> to 'MDPR'	Table 1 updated per the outcome of consultation issue #3.
35	United Energy	2.11	Change	Table 1 Customer data: The <i>PreInstallation Data Request</i> and <i>PreInstallation Data Response</i> are shown as belonging to Transaction Group SITE. It is very important that these transaction are placed in their own NEW transaction group to allow gateway routers to separately handle these of necessary and to allow participants to implement these two transaction as Web Services if they choose whilst keeping the other transactions as FTP. Change the Transaction Group for <i>PreInstallation Data Request</i> and <i>PreInstallation Data Response</i> to 'PREI'	Table 1 updated per the outcome of consultation issue #3. Refer to item 33.

ID	Participant	New Clause	Type	Comments	IEC/AEMO Response
36	United Energy	2.11	Change	<p>Table 1 One Way Notification: The <i>Notice of metering Works</i> and <i>Notified Party Transaction</i> are shown as belonging to Transaction Group OWNP.</p> <p>These can be usefully placed in their own NEW transaction group to allow gateway routers to separately handle these if necessary and to allow participants to implement these two transaction as Web Services if they choose whilst keeping the other transactions as FTP.</p> <p>Change the Transaction Group for <i>Notice of metering Works</i> and <i>Notified Party Transaction</i> to ‘OWNX’</p> <p>UE also recommends that the PIN and MFN transactions are also changed to XML content - this would result in in a new transaction group for these transactions also if the UE recommendation is accepted.</p>	<p>Table 1 updated per the outcome of consultation issue #3.</p> <p>PIN and MFN have been updated to be XML-based.</p>
37	Aurora Energy	2.11, Table 1	Editorial	<p>RemoteServiceRequest - ase: RemoteServiceRequest</p> <p>Aurora Energy comment: Remove space between : R</p>	Agreed.
38	Aurora Energy	2.11, Table 1	Editorial	<p>RemoteServiceResponse ase: RemoteServiceResponse</p> <p>Aurora Energy comment: Remove space between : R</p>	Agreed.
39	Aurora Energy	2.11, Table 1	Editorial	<p>Service Orders Meter Adds/Alts service order requests are not relevant to NSW</p> <p>Aurora Energy comment: Remove reference to ADDS & Alts or update with new</p>	Agreed.
40	Pacific Hydro	2.11, Table 1	Editorial	<p>Service Order Request (note, New Connections and Meter Adds/Alts service order requests are not relevant to NSW)</p> <p>This ‘note’ is no longer relevant and should be removed.</p>	Refer to item 39.
41	Aurora Energy	2.11, Table 7	Editorial	<p>Aurora Energy comment: the example used for sequence 3 is now a XML transaction not CSV as shown in this example</p>	Refer to item 57. (Section reference incorrect – assume comment is referring to Table 7 in section 4.1.1.)

ID	Participant	New Clause	Type	Comments	IEC/AEMO Response				
42	AusNet Services	2.13	Clarification	While acknowledging that the text has not materially changed, please re-write the text for point k) to avoid the use of a double negative. It is difficult to follow what is meant by the text. It is assumed the point is made that AEMO is required to ensure that items a, b, h, and j listed above are validated by the e-Hub.	No change; existing clause is sufficient.				
43	Jemena	2.13 (d)	Editorial	Only one aseXML version (as defined in the aseXML Guidelines) of an aseXML B2B Transaction will be implemented by Industry at any given time.	No change; existing wording is sufficient.				
44	AGL	2.13 (k)	Editorial	Please clarify, sentence is very confusing Conflicting with clause 5.4.3.1.4	Refer to item 42.				
45	Jemena	2.13 (k)	Editorial	Use of double negative – remove the 2nd "not".	Refer to item 42.				
46	Endeavour Energy	2.13(b)	Editorial	This paragraph is applicable to ftp only	Agreed, added ‘If sent using FTP,’ at the beginning of the clause.				
47	Endeavour Energy	2.13(g)	Editorial	It is not clear how many versions of aseXML the interfaces are required to support. The paragraph states ‘any’ version.	No change; existing wording sufficient – any version “that is approved and effective...”.				
48	Endeavour Energy	2.13(k)	Editorial	The word ‘not’ should be deleted (k) AEMO is not required to ensure that items (a), (b), (h), and (j) listed the e-Hub.	Refer to item 42.				
49	Endeavour Energy	3.4	Editorial	Table 4 The Note is missing from the comments column for <i>HouseNumber</i> <table><tr><td><i>HouseNumber</i></td><td>NUMERIC(5) IN RANGE: 0-99999</td><td>R</td><td>Defines the house number as per Australian Standard AS4590-1999. Note: The combination of House Number and House Number Suffix may occur up to two times.</td></tr></table>	<i>HouseNumber</i>	NUMERIC(5) IN RANGE: 0-99999	R	Defines the house number as per Australian Standard AS4590-1999. Note: The combination of House Number and House Number Suffix may occur up to two times.	Accepted, ‘Note’ deleted for all fields where it existed; it referred to the subsequent statement in the comment e.g. for HouseNumber ‘The combination of House Number and House Number Suffix may occur up to two times.’
<i>HouseNumber</i>	NUMERIC(5) IN RANGE: 0-99999	R	Defines the house number as per Australian Standard AS4590-1999. Note: The combination of House Number and House Number Suffix may occur up to two times.						

ID	Participant	New Clause	Type	Comments	IEC/AEMO Response				
50	Endeavour Energy	3.4	Editorial	<p>Table 4</p> <p>The Note is missing from the comments column for <i>HouseNumberSuffix</i></p> <table><tr><td><i>HouseNumberSuffix</i></td><td>VARCHAR(1)</td><td>R</td><td>Defines the house number suffix as per Australian Standard AS4590-1999. Note: The combination of House Number and House Number Suffix may occur up to two times. This field may only contain alphanumeric characters.</td></tr></table>	<i>HouseNumberSuffix</i>	VARCHAR(1)	R	Defines the house number suffix as per Australian Standard AS4590-1999. Note: The combination of House Number and House Number Suffix may occur up to two times. This field may only contain alphanumeric characters.	Refer to item 49.
<i>HouseNumberSuffix</i>	VARCHAR(1)	R	Defines the house number suffix as per Australian Standard AS4590-1999. Note: The combination of House Number and House Number Suffix may occur up to two times. This field may only contain alphanumeric characters.						
51	AusNet Services	3.5	Editorial	<p>While acknowledging that the text has not materially changed, it is noted that the enumerated listing contains:LGL, MDN, BTH, TRB, PRF, AKA, XFR, STG. The referenced standard contains:LGL, MDN, BTH, TRB, PRF, AKA, OTH, STG. Does the list need to include OTH and define what the XFR value refers to?</p>	<p>No change.</p> <p>‘OTH’ is not defined in the 1999 Australian Standard as referenced by the document (but present in the 2006 Standard).</p> <p>‘XFR’ refers to ‘cross reference name’ and is per the aseXML enumeration. (Note however, that the corresponding 1999 Australian Standard value is ‘XRF’. There is no plan to change this, as it is a common aseXML format and will also impact gas participants.)</p>				
52	Momentum Energy	3.6	Change	<p>“Mobile” should be added as allowed values for “<i>ServiceComment</i>” element</p>	<p>No change; mobile is already catered for in the <i>ServiceType</i>.</p>				
53	AusNet Services	3.8	Clarification	<p>Does the use of the terms "next business day" refer to the processing days at the Initiator or Recipient location. For example Monday the 13th June 2017 is a statutory holiday in Victoria but not New South Wales, and therefore that is not the "next business day" for a B2B procedural transaction that is initiated in NSW for a Victorian participant.</p>	<p>Where interpretation of time is required, a clause has been (re-)added into the relevant B2B Procedure. Clause 3.8 in the TDS removed to avoid confusion.</p> <p>The Glossary & Framework also defines time interpretation (1.2.4), and Business Day.</p>				

ID	Participant	New Clause	Type	Comments	IEC/AEMO Response
54	AGL	3.8 (d) and (e)	Clarification	Can 'Close of Business' be defined and standard business hours be clarified? Propose to add this to the glossary?	No change required, 'Close of Business' is no longer referenced in any of the B2B Procedures. Business Hours is defined in the Glossary & Framework as 'Normal operating hours for a Participant'. Also refer to item 53.
55	Aurora Energy	4	Clarification	PAYLOAD DEFINITIONS Aurora Energy comment: Should there be a definition for XML payloads as well?	No change. aseXML 'payload' are the fields as described in the Procedures.
56	AGL	4.1.1	Clarification	Table 7: Header record says "system: always e-Hub" – Why is this always e-Hub?	This is existing functionality that is unchanged as part of this consultation; the system is the e-Hub as it is the method by which the message is delivered.
57	AusNet Services	4.1.1	Editorial	AusNet Services has noted that there are inconsistencies between the example for sequence 2, and the updated structure of the OWN in the procedure document. Please align.	Accepted, examples updated to align with the changes made to the OWN Procedure.
58	United Energy	4.1.1	Editorial	Table 7. Sequence 2 and 3. The examples provided are no longer consistent with the actual structure of the CSV content defined in the One Way Notification procedures. For example Column 2 is now the <i>Record Number</i> not the <i>Message Name</i> . Suggest change the examples to avoid confusion.	Refer to item 57.

ID	Participant	New Clause	Type	Comments	IEC/AEMO Response
59	AGL	5.10	Change	Table 9: Transaction Logging will also log NotifiedParty transactions that are created by e-Hub on behalf of Initiator. Should there be additional logging information to allow linking NotifyParty transactions to the respective Service Order Request?	No change to the TDS. <u>NotifyParty</u> transactions will already contain the related Service Order Number. Additional logging will be included for linking the <u>NotifiedParty</u> transaction to the originating <u>ServiceOrderRequest</u> transaction. The 'MSATS B2B Guide' will illustrate how the transaction logs will be displayed in the B2B Browser Application.
60	Endeavour Energy	5.10 (b)	Clarification	The source of message priority is the file name for ftp but presumably not for webservices. Please clarify.	Updated – source for Message Priority will be Filename for FTP, aseXML header for webservices.
61	AusNet Services	5.3	Editorial	Suggest that an introduction is included to inform the reader that a participant can choose between FTP or WebServices, can use different protocols for the different procedures, and does not need to know which protocol the recipient is using. Alternatively this text could go at the beginning of the document. In the final row of the table the FTP terms field contains TransACK and TranACK as the two elements. Is this correct? Does not appear consistent with the remainder of the document.	No change; protocols are described in section 6.2. Updated in figures where required to refer to TranAck instead of TransAck.
62	United Energy	5.3	Editorial	Message Equivalents : An intro sentence before point (a) is required here that explains that Participants can choose to use one of two available protocols. FTP or Web services. It should also explain that the choice to use FTP or Web services can be made at the Transaction Group level.	No change; this is covered in 6.2 Delivery Protocols.

ID	Participant	New Clause	Type	Comments	IEC/AEMO Response
63	AGL	5.4.1 (b) (viii)	Editorial	Remove “Creation of” at start of first sentence.	No change; clause reads correctly (“...functionality of the MSATS B2B Handler includes creation of...”).
64	AusNet Services	5.4.3.1	Clarification	The grey box highlighted text: "The following validations apply to incoming B2B files. When one of these validations is not satisfied either the file is ignored or a negative acknowledgment is created." is referring to the incoming file for the eHub and not the participant. Confirm please.	Updated wording to explicitly state incoming to the e-Hub.
65	Momentum Energy	5.4.3.1 (b)	Clarification	Does this clause refer to AEMO E-Hub of Participant systems?	Refer to item 64.
66	Aurora Energy	5.4.4	Editorial	Aurora Energy comment: There are several references to “B2Bholdinp.stp” should this not be “B2Bholding.stp”	No change; the current reference to “B2Bholdinp.stp” is correct.
67	AusNet Services	5.4.4	Editorial	<p>The definition and use of the relevant .STP files appears inconsistent.</p> <ul style="list-style-type: none"> ParticipantID_B2B holdinp.stp is not correct and should be ParticipantID_B2Bholding.stp B2Bholdinp.stp is described as being placed in a separate directory. Confirm? ParticipantID_B2Bholdinp.stp is correct. Is there a requirement to reference the SMP Hub methods specified in Section 5.5.1 	<ul style="list-style-type: none"> Agreed, updated where required. This is correct. Correct. No change, although not explicitly referenced, it is mentioned in 5.4.4(a) (and also mentioned again in 5.5.9, which is the corresponding Flow Control Management section for SMP)
68	AusNet Services	5.4.5	Editorial	<p>If the first four characters in the file name must contain the transaction group identity then the template is incorrect and should only consist of the lowercase characters a-z.</p> <p>Therefore the template would be:</p> <p>[a-z]{1,4}[h m l][0-9 a-z]{1,30}[.](tmp zip ack ac1)</p>	No change, current definition is correct (even though currently the transaction groups defined only use characters a-z).
69	CitiPower Powercor	5.5.1 (c)	Editorial	CitiPower Powercor recommends that ‘HTTP/S’ be amended to ‘HTTPS’ as that’s what is described in the ‘Security’ clause.	Agreed.

ID	Participant	New Clause	Type	Comments	IEC/AEMO Response
70	CitiPower Powercor	5.5.1 (d) (ix) & (x)	Change	CitiPower Powercor recommends that an additional clause is added to identify what the Hub will do if a Recipient is unavailable (i.e. their systems are down). In the event that a Recipient's systems are down the clause should be clear on what happens and how the Hub will react.	Refer to section 5.5.8 and 5.5.9. If the Recipient is unavailable and the incoming request gets rejected. If the participant is stopped and the files have not been processed after a given time (as defined by a global e-Hub property); the files will be purged out of the queue.
71	AGL	5.5.1 (x)	Clarification	SMP Hub will archive all messages using FTP file archive. How will SMP Hub derive a file name? We need clarification as we often use the file name for reconciliation or trouble shooting. Will this be clarified in another document or this one?	Updated clause 5.5.1 (d)(x). Webservice messages will be archived with file names according to the file naming convention of the MSATS B2B Handler as defined in 5.4.5(a)(i).
72	Jemena	5.5.2.	Clarification	Most WS allow for compression as a matter of choice. Why are we not supporting this?	After discussion the SWG concluded there was no perceived benefit in offering compression.
73	AGL	5.5.3 (a)	Editorial	Hub = e-Hub?	Agreed. Updated to 'e-Hub'.
74	AusNet Services	5.5.4	Note	Refer to comments in section 1.1 re the SMP User Guide	Refer to item 10.
75	AGL	5.5.4 (b)	Clarification	Explain "use of free form messaging"?	Removed clause 5.5.4(b). Free form messaging will be available using the SMP Hub and described in the SMP Technical Guide.
76	United Energy	5.5.5	Editorial	(b) Fix text: A URL must be provided by each Web service Participant	Refer to item 77.
77	AGL	5.5.5 (b)	Editorial	Replace "Pecipient Participant" with "Recipient"	Agreed.

ID	Participant	New Clause	Type	Comments	IEC/AEMO Response
78	Aurora Energy	5.5.5 (b)	Editorial	<p>The URL must be provided by the Pecipient Participant where they have opted in for webservices</p> <p>Aurora Energy comment: Incorrect use of the word dictionary term for Good insight or understanding</p>	Refer to item 77.
79	AusNet Services	5.5.6	Change	<p>Per discussions at the SWG, it is recommended that it is made clear to participants that any connectivity or timeout issues between the Initiator and the e-Hub are the responsibility of the Initiator to capture and manage.</p> <p>There is a grammatical issue in point b)</p> <p>Refer to comments in section 1.1 re the SMP User Guide</p>	Agreed; added new clause 5.5.6(f) “Any connectivity or timeout issues between the Initiator and the e-Hub are the responsibility of the Initiator to capture and manage.”
80	United Energy	5.5.6	Change	<p>A new clause (f) should be added to explain that there are series of HTTP client errors that can occur on the Initiators side that must be handled by the Initiator themselves. These include:</p> <p>400 Bad Request</p> <p>401 Unauthorized</p> <p>403 Forbidden</p> <p>404 Not found</p> <p>405 Method Not Allowed</p> <p>406 Not Acceptable</p> <p>407 Proxy Authentication Require</p> <p>408 Request Time-out</p> <p>etc.</p>	No change required; HTTP errors will be documented in SMP Technical Guide as stated in clause (e).
81	United Energy	5.5.6	Clarification	<p>Section 5.5.9 talks about a negative MessageAck being sent back if there was a stop file on the Recipient - Shouldn't the Stop file error code be mentioned in this section?</p>	Refer to item 80.

ID	Participant	New Clause	Type	Comments	IEC/AEMO Response
82	Aurora Energy	5.5.6 (e)	Clarification	Detailed HTTP response codes will be provided by AEMO and will be detailed in the SMP User Guide. Aurora Energy comment: When will this be made available ?	Refer to item 9.
83	VECTORAMS	5.5.7(b)	Clarification	Authentication method indicates both API Key and SSL Client Authentication. VectorAMS seeks clarity on why both authentication methods are required for Webservice calls. Most large public implementations of a RESTful interface i.e. Google, Facebook use API Key as the authentication method. VectorAMS believe it is unnecessary to utilise both and prefer API key is the method used.	No change. SSL will be used to provide the required authentication for the Participant to connect to the e-Hub. API key will provide the required authorisation of whether the Participant is registered to use the API. For example: A separate API key will be issued for Push API and Pull API. The Participants not registered for Pull API will not be able to use it. SSL Key will be used for authenticating the Participant to the e-Hub and API Key will provide the required authorisation of whether the Participant is authorised to use a particular API.
84	AusNet Services	5.5.7.1	Note	Refer to comments in section 1.1 re the SMP User Guide	Refer to item 10.
85	AGL	5.5.7.2	Note	Can the security authentication flows please be documented? It's ok if this is done in another document like the SMP User Guide.	Noted. Security authentication will be covered in further detail in the SMP Technical Guide.
86	Endeavour Energy	5.5.7.2	Clarification	API Keys The use of authentication keys is not clearly defined. However, the proposed use of 1 key per webservice per participant seems excessive. Why use multiple keys for webservices within the same transaction group?	Security authentication will be covered in further detail in the SMP Technical Guide, where an API Catalogue will be documented.

ID	Participant	New Clause	Type	Comments	IEC/AEMO Response
87	AusNet Services	5.5.9	Note	AusNet Services recommends that some sequence diagrams or worked examples be included in the text to clearly articulate how the concept of stop files and flow control work between participants using different protocols, as well as concepts such as a Notified Party being issued a stop file while other recipients can continue processing.	Clause 5.5.9 (a) already states that a Stop File applies across protocols. Refer to item 90 regarding Notified Party issued with a stop file.
88	CitiPower Powercor	5.5.9	Clarification	Flow Control Management CitiPower Powercor recommends that greater clarity is required in describing how push-push factors in to the stop file. Do push-push message failures due to timeout count towards the stop file thresholds?	No change required. Yes. Whenever end point is unavailable for whatever reason, undelivered messages will count towards the stop file threshold. Refer to item 93.
89	CitiPower Powercor	5.5.9	Clarification	Flow Control Management CitiPower Powercor recommends that greater clarity is required in describing interoperability. Does WS-WS take priority over file- WS due to both participants investing in faster message delivery methods?	No change required. A first in, first out (FIFO) approach is taken by the SMP Hub, no prioritisation between protocols occurs (see 5.5.9(l)). Refer to item 93.

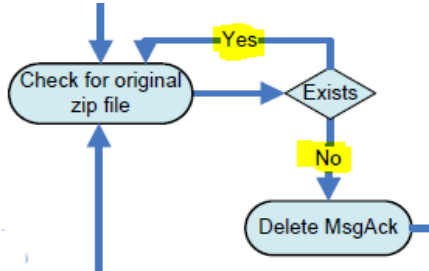
ID	Participant	New Clause	Type	Comments	IEC/AEMO Response
90	CitiPower Powercor	5.5.9	Clarification	<p>Flow Control Management</p> <p>CitiPower Powercor recommends that a clause be inserted outlining how a Notified party is treated/affected in this section. Does the Initiator need to check for a stop file for a Notified party?</p>	<p>An additional sequence diagram (8.2.5 Figure 22) has been added to cover the scenario where a Notified Party is issued with a Stop File (and Initiator uses the e-Hub functionality for notified parties).</p> <p>Where the Initiator is managing notifications to Notified Parties separately, they will receive the standard error codes if a Notified Party has a Stop File in place.</p> <p>An additional NotificationStatus for the NotifiedParty transaction has been added 'Notified Party Stopped', to be used in this scenario (refer to B2B Procedure One Way Notification).</p>
91	CitiPower Powercor	5.5.9	Clarification	<p>Flow Control Management</p> <p>Queueing is mentioned but not adequately described in this section, greater clarity is required. CitiPower Powercor recommends that confirmation of how long messages queue be provided. What happens after that? In a WS-WS configuration should it respond with failure rather than holding the message? What errors from a Recipient result in queueing vs Negative MACK?</p>	<p>Additional detail surrounding flow management, such as how long the e-Hub will hold transactions, will to be included in the SMP Technical Guide.</p>
92	United Energy	5.5.9	Clarification	<p>(i) What happens if the participant with the Stop file is a Notified party, and the Initiator has elected to use the Hub? - Returning a negative Message Ack will be interpreted by the Initiator that it is the Recipients mailbox that is stopped - which will be incorrect. A better description of what happens with stop files for notified parties is required.</p>	<p>Refer to item 90.</p>

ID	Participant	New Clause	Type	Comments	IEC/AEMO Response
93	United Energy	5.5.9	Clarification	<p>The circumstances that occur when a recipient of Webservices has a stop file needs to be better explained.</p> <ul style="list-style-type: none"> -What will be the Recipient's first indication that a stop file has been set? - What transaction / function will they use to confirm / check that stop files are set? - What do they need to do to clear the stop file? - If a recipient uses a mixture of FTP and Webservice – will there be independent stop files for these two protocols or will one single stop file apply to both interconnectivity methods? - (Would be better if separate because participants using both methods may have one gateway working okay but the other not) 	<p>1. Recipient should be aware due to issues within their own systems that a stop file has been issued. Clause (e) describes the opt in service for participants using webservices to receive notifications of stop files. (Participants using webservices can implement a resource called 'alerts'; they will receive API alerts when the stop file is created or removed.)</p> <p>Otherwise it will be as per today, participants will find a Stop File in their own Outbox.</p> <p>2. Clause (j) states a webservice will be made available to retrieve the list of Stop Files in their Stopbox, otherwise they will be able to check via Flow Control Configuration section of the B2B Browser Application.</p> <p>3. Clause (m) states how the stop file is cleared.</p> <p>4. Clause (a) states that one stop file applies across both protocols.</p>
94	AusNet Services	5.6	Editorial	We recommend that 5.5.7 is referenced within Section 5.6	Reference added.
95	Momentum Energy	5.8	Clarification	How many messages will be stored in the Hub if the recipients' gateway is down and for how long?	Refer to item 91. Existing thresholds for FTP are available in the Flow Control Configuration section of the B2B Browser Application (see 'Flow Control Info' in the Guide to MSATS B2B).

ID	Participant	New Clause	Type	Comments	IEC/AEMO Response
96	Pacific Hydro	5.9 (b) [old 4.10]	Editorial	(b) Timing requirements for the delivery of aseXML Transactions and Acknowledgements via the National B2B Infrastructure are summarised below in and the associated table. This sentence does not make sense.	Updated; added reference to specific Figure and Table numbers.
97	CitiPower Powercor	5.9 (f)	Change	<p>Clause 5.5.1 (viii) states that '<i>A B2B e-Hub Acknowledgement is created to signify that the SMP Hub has successfully validated the incoming message and is undertaking the delivery of a B2B Transaction message to the intended Recipient. That is, the SMP Hub Acknowledgement contains a positive ase:MessageAcknowledgement.</i>' In this instance the Recipient has not received the transaction yet so their obligation cannot commence at this time.</p> <p>CitiPower Powercor recommends a new clause is added in the Timing Requirements section for WS - WS to highlight when the Recipient obligations commence.</p>	<p>No change required.</p> <p>Timing obligations effectively remain the same as current practice, as today with FTP a positive MACK is received by the Initiator when the message has been dropped into the intended recipient's outbox. The recipient is responsible for picking up the message from their outbox (pull). Similarly, although e-Hub assumes responsibility for delivery of the message to the intended recipient (push), it is still reliant on the recipient systems being available to process to accept and process the message.</p>
98	AusNet Services	6.1	Editorial	Points a and b are the introductory text suggest in comments for 5.3	Refer to item 61.

ID	Participant	New Clause	Type	Comments	IEC/AEMO Response
99	VECTORAMS	6.2 (b)	Note	<p>This clause indicates that delivery protocol (FTP or Webservices), selection can only be selected at the Transaction Group level. This is extremely limiting on participants who would like to move away from FTP and use more modern techniques i.e. Webservices.</p> <p>Should participants want to reduce the risk of change by taking an incremental approach to migrating from FTP to Webservices or if they use a number of different vendor products that each support only a subset of transactions within the transaction group they will be forced to deploy all transactions within the group using the same protocol. This is contrary to the broad principle agreed at the start of POC where participants could choose the method to interact with the b2b hub.</p> <p>VectorAMS does not support this limitation and request a method be provided that can meet the original principle.</p>	Refer to summary and outcome of consultation issue #3.
100	AusNet Services	6.3	Note	<p>We recommend that text be included to make it clear that a B2B party can nominate a protocol for each transaction group and therefore may change protocols for a transaction group.</p> <p>The TDS should specify how would testing of changes in protocol be facilitated.</p>	<p>No change; the TDS already states that configuration of protocol is at a transaction group level in clause 6.2(b).</p> <p>Testing of changes in protocol will be considered as part of transition and cutover. The level of documentation and which document (SMP Technical Guide or a separate document) will contain this information will be determined at a later date.</p>

ID	Participant	New Clause	Type	Comments	IEC/AEMO Response
101	AusNet Services	6.3.1	Clarification	Tthe supported functions of the ParkBox are not defined. There is no content for Webservice to FTP protocol changes. Why is this?	The Parkbox is existing functionality of the MSATS B2B Handler used for migrating schema versions. Note that this was not documented in the previous Technical Delivery Specification of Technical Guidelines B2B Procedures. Reference to the Parkbox for changing protocols has been deleted from the TDS, as the decision has not been finalised as to whether this existing functionality will be used to facilitate changing between protocols.
102	CitiPower Powercor	6.3.1	Clarification	FTP to Webservice CitiPower Powercor recommends another clause is added around Park-box functionality outlining as to what happens at the end of the parking period and how the backlog is processed vs new files coming in.	Refer to item 101.
103	Pacific Hydro	6.3.1 (a)	Clarification	(a) AEMO will provide a Park box functionality to allow participants to assist in transitioning between the hub protocols. This sentence does not make sense	Refer to item 101.
104	Endeavour Energy	6.3.1(b)	Clarification	The working of Parkbox is a vague. Please expand.	Refer to item 101.
105	AusNet Services	6.4.1	Change	The diagram has logical inconsistencies. Recommend that UML Sequence Fragments and ALT segments should be included for both 'happy path' and 'sad path' flows.	No change to existing diagrams; 'Sad' flows are documented separately to the normal processing flow.
106	Acumen Metering	6.4.1.1 6.5.1.2	Editorial	Several Error! Reference not found errors	Agreed; this has been updated where required.

ID	Participant	New Clause	Type	Comments	IEC/AEMO Response
107	AusNet Services	6.4.1.1	Editorial	All section references within this section are incorrect and have not been updated to the amended sectional heading in the latest version of the document.	Refer to item 106.
108	AGL	6.4.1.1 (d)	Editorial	Error! Reference source not found (multiple)	Refer to item 106.
109	Acumen Metering	6.4.1.1, Page 4.2	Editorial	<p>labels are reversed (this same issue in all other similar activity diagrams)</p>  <pre> graph TD Start(()) --> Check([Check for original zip file]) Check -- Yes --> Exists{Exists} Exists -- No --> Delete([Delete MsgAck]) Delete --> End(()) </pre>	Agreed.
110	AGL	6.4.2	Editorial	<p>Figure 10: In Service Order Request step 23 should delete(.ack) from Inbox instead of Outbox.</p> <p>In Service Order Response step 36 should delete(.ack) from Inbox instead of Outbox.</p>	Agreed.
111	Aurora Energy	6.4.2	Editorial	Aurora Energy comment: references Figure 9 as following but is Figure 10	Agreed.

ID	Participant	New Clause	Type	Comments	IEC/AEMO Response
112	AGL	6.5.1	Clarification	AC1 in the FTP based e-Hub processing is sent after the files are transported to participant folders whereas in WS the hub message acknowledgement is provided once a series of checks are confirmed at eHub and not when the messages are transmitted to recipient Queue. Does this approach fully meet the 'Confirmed delivery' requirements?	Technically the same as FTP, as the e-Hub takes ownership of delivery of the message. The definition of .ac1 was discussed in SWG. In FTP, the .ac1 is delivered to the Recipient while in webservices the e-Hub is attempting to deliver it to the Recipient. In webservices, it could be delivered or it could be queued for delivery. If the .ac1 is generated after delivery to Recipient, the .ack will be available before generating .ac1.
113	Aurora Energy	6.5.1	Editorial	Aurora Energy comment: Needs to be formatted the same as 6.4.1 i.e. (c) The activity diagrams (Figure 11 to Figure 15) illustrate each of the major activities and decision points of the protocol. These diagrams are then organised with corresponding sequence diagrams to illustrate four possible scenarios associated with Transaction and Acknowledgement delivery (note: this does not represent a complete list of possible scenarios):	Noted, however due to time constraints it was not possible to update the format of existing/new figures to be consistent.
114	Aurora Energy	6.5.1 (b)	Editorial	Aurora Energy comment: remove the – after Figure 15	Agreed.
115	CitiPower Powercor	6.5.1.1 (f)	Editorial	This clause states ' <i>invoke a webservices call to the recipient</i> ' whereas 6.5.1.3 (f) states ' <i>an API call will be made</i> '. CitiPower Powercor recommends consistent terminology is used in relevant clauses.	Agreed, updated where required to use 'webservices call' for consistency.
116	AGL	6.5.1.2 (c)	Editorial	Error! Reference source not found	Agreed.
117	Aurora Energy	6.5.1.2 (c)	Editorial	Aurora Energy comment: Missing reference	Refer to item 116.
118	AusNet Services	6.5.1.3	Editorial	Point f(ii) and g: A web service URL invocation should not be referred to as an API call. It is not. Suggest replace with "RESTfull service call"	Refer to item 115.


ID	Participant	New Clause	Type	Comments	IEC/AEMO Response
119	VECTORAMS	6.5.1.3	Clarification	This section discusses the process when a recipient is unavailable to receive a SO request. It is unclear from the TD what happens in the scenario when a recipient is available but a Notified Party is not or has a stop file active. What should happen in this case.	Refer to item 90.
120	Aurora Energy	6.5.1.3 (h)	Editorial	If the Recipient is Stopped the Initiator can invoke the webservice using the URL of e-Hub Aurora Energy comment: Suggest adding still – so reads “can still invoke”	Agreed.
121	Aurora Energy	6.5.1.3 (i)	Editorial	Upon receipt of this message and failure of Stop File validation the SMP Hub will provide a negative ase:MessageAcknowledgement on the return of the original Webservice call Aurora Energy comment: Suggest rewording to any new messages	Agreed.
122	AGL	6.5.1.4 (a)	Editorial	Should reference be to 6.5.1.1 instead of 4.5.1.1?	Agreed.
123	AGL	6.5.1.4 (c)	Editorial	“Recipient” instead of “Initiator” to resubmit MACK	Agreed.
124	Endeavour Energy	6.5.2	Editorial	Possible error in the sequence diagram. The fourth last exchange should be a TACK rather than ‘Deliver Service Order Response’.	Agreed, updated to read ‘Deliver TACK for Service Order Response’.

ID	Participant	New Clause	Type	Comments	IEC/AEMO Response
125	AGL	7	Editorial	<p>Recipient and Initiator should be upper case. Other spelling mistakes.</p> <p>Suggest to change wording to:</p> <p>“There is no requirement for an Initiator to be aware of the Recipient’s protocol choice when initiating a message exchange via the eHub. The same is true for any combination of participants sending or receiving messages via the e-Hub. The e-Hub will perform this validation and deliver the message in the correct format to the Recipient.</p> <p>All Participants must send and will receive messages based on their preference set in the e-Hub. If that preference is changed during a transaction cycle any inbound messages will be delivered based on this preference.”</p>	Agreed.
126	Endeavour Energy	7	Editorial	<p>Interoperability</p> <p>There is inconsistent terminology used in the diagrams (Send, Post, and Deliver). It would be better to use a term like ‘Forward’ when the hub is sending or delivering a message on behalf of an Initiator or Recipient. For webservices it would be better to use ‘Post’ and ‘Put’ verbs.</p>	<p>No change required.</p> <p>Terminology is correct as documented.</p> <p>Different terms if FTP v webservices. Get & Post are used for FTP. For webservices, SEND and POST are used.</p>
127	AGL	7.1 (a)	Editorial	<p>Replace “hub” with “e-Hub”. Other spelling mistakes (recipeint).</p> <p>Suggest to replace “sent” with “delivered” where it comes to e-Hub delivering a message.</p> <p>Proposed wording:</p> <p>“Messages initiated using webservices will be transformed by the e-Hub and delivered via FTP Hokey Pokey where this is the Recipient’s protocol choice.”</p>	<p>Agreed.</p> <p>Refer to item 126.</p> <p>Agreed.</p>

ID	Participant	New Clause	Type	Comments	IEC/AEMO Response
128	AGL	7.2 (a)	Editorial	Similar to 7.1 (a) Suggested wording: “Messages initiated using FTP Hokey Pokey will be transformed by the e-Hub and delivered via webservices where the Recipient has opted for this protocol.”	Agreed.
129	AusNet Services	8	Note	AusNet Services recognises the significant complexity in the multiple scenarios of exchange of information for Notified Parties. To reduce risk and provide additional insight and clarity to all participants, we suggest that a "walkthrough" workshop be convened by AEMO to walk through the various scenarios (as well as potentially flush out new scenarios not previously considered). As an example, some form of paper based testing would confirm that the end-to-end processes hangs together, and would also provide an opportunity for any areas that are open to interpretation are identified.	Noted; a similar suggestion was made by B2BWG to the IEC. To be considered as part of readiness activities if required.
130	Momentum Energy	8.1.1 (b)	Clarification	What process will be followed when the initiator does not populate the list of notified parties?	If the list of Notified Parties is not populated in the Service Order Request, then the Initiator has elected to manage notifications separately. See clause 8.1.1 (c) (ii).

ID	Participant	New Clause	Type	Comments	IEC/AEMO Response
131	EnergyAustralia	8.1.1(d)	Clarification	<p>Please confirm if our understanding why notified parties do not get a copy of the cancel request is correct --></p> <p><i>The DNSP may/may not accept the cancel request. If they accept, the notified party will receive a copy of the SOResponse message 'not complete' associated to the original SO request which basically acts as notification of the cancellation. If the cancel request is not accepted by DNSP, then it's business as usual.</i></p> <p>If this is not the case , then please clarify</p> <ol style="list-style-type: none"> 1. Why will the eHub not cater to cancellations? 2. How is the initiator expected to advise notified parties of cancel service orders since there is nothing in the OWNP - Notified Party txn with a notification status of "SO Cancelled"? 3. When a whole comms model is being built for notified parties, how can this cancellation scenario not be catered for? 	<p>No change.</p> <p>See TDS 8.1.1 (d), the e-Hub will not generate notifications where the SO <i>ActionType</i> is 'Cancel', to avoid duplication of notifications to Notified Parties. A similar statement is also made in the Notified Party section of the B2B Procedure Service Order Process.</p> <p>This is because the Notified Party receives cancellation notification on closure (Recipient sends SO Response with status of 'Not Complete' and code 'Initiator cancellation') of the original SO Request.</p>
132	CitiPower Powercor	8.2	Clarification	<p>Sequence Diagrams</p> <p>CitiPower Powercor recommends the Notified party MACK rejection (stop file) example should be a use case with a process flow depicting how it will work.</p>	Refer to item 90.
133	EnergyAustralia	8.2	Clarification	<p>If for some reason the initiator identifies/decides that a new party needs to be notified while the service order is in-flight (i.e. not resulting from an incorrect party scenario), can it raise a NotifiedParty transaction, which the e-Hub will use to update its distribution list? This is essentially an initiator-generated notification in the middle of an e-Hub-generated notification selection option.</p>	<p>Correct, assuming it is only an addition and does not require a deletion/removal of a Notified Party from the distribution list.</p> <p>The Initiator can raise a NotifiedParty transaction to add another Notified Party to the e-Hub distribution list.</p>

ID	Participant	New Clause	Type	Comments	IEC/AEMO Response
134	EnergyAustralia	8.2 (k)	Clarification	Re: Step 16, How does the Initiator opt in or out to received OWNPN (Accept TACKS). Is there something within the Txn or is this set up at go live?	This will be a configuration setting in e-Hub to receive TACKS. This concept will also be mentioned in the SMP Technical Guide. The Guide to MSATS B2B will be updated with step by step instructions for how to configure this setting in the B2B Browser Application.
135	EnergyAustralia	8.2(n)	Clarification	What notification status or field in the OWNPN - Notified Party Txn reflects an Accept TACK? It seems that there is a notification status only to cater to for Rejection by Notified Party.	Noted; the B2B Procedure One Way Notification Process (OWNPN) has been updated with an additional status for the <u>NotifiedParty</u> transaction for 'Accepted by Notified Party', which will be used by the e-Hub where the Initiator has opted to receive accept TACKS.
136	AGL	8.2.1	Editorial	figure 18 Label Step 23 "Send MACK for TACK of NotifyParty transaction" Label Step 24. "Returns"	Agreed. (Note the figure has been updated with additional steps so the step numbers are now different.)
137	AGL	8.2.1	Editorial	Figure 18: Diagram seems incomplete missing TACK for msg 29	Agreed, changes (additional/reordered steps) to show this have been made to figures where required.
138	AGL	8.2.1	Editorial	Add new clauses (hh) etc. : Suggest adding a clause to state that step 39 to 48 will be similar to steps 15 to 24 where the Notified Party sends a TACK for the NotifyParty Transaction from step 29	Agreed, refer to item 137.
139	Simply Energy	8.2.1	Editorial	<u>Normal Processing</u> Figure 18 All throughout the usecase diagram "NotifyParty" is used instead of "NotifiedParty" as prescribed in the One Way Notification Procedure.	Agreed, figures updated as required.

ID	Participant	New Clause	Type	Comments	IEC/AEMO Response
140	AGL	8.2.1 (a)	Clarification	Maybe clarify that this is available regardless of protocol choice, as this here suggests web services only. The clarification could be added above maybe as 8.2 (b)	Agreed, new clause 8.2(b) added to state that Notified Party functionality of the e-Hub is available regardless of protocol choice.
141	AGL	8.2.1 (k)	Editorial	I suggest to change paragraph to only state delivery of Hub Ack as follows. “Step 16: on receipt and successful validation ... , the e-Hub will send a Hub Acknowledgment back to the Notified Party” Skipping of steps 19 to 24 should be stated in step 19	Agreed.
142	AGL	8.2.1 (n)	Editorial	Suggest to change step 19 to start with: “The e-Hub will determine if the Initiator has opted in to receiving <i>ase:TransactionAcknowledgment</i> from Notified Parties. If not opted in skip steps 19 to 24 and continue with step 25 (t)” Followed by the current text.	Noted. Figure has been updated with additional/reordered steps so the step numbers are now different. Refer to items 137 and 139.
143	Acumen Metering	8.2.1, Page 68	Editorial	<p>this text does not seem to match the diagram – Diagram shows a MACK to Notified Parties not to Recipient as indicated in the text</p> <p>(l) Step 17: the e-Hub will generate and send an <i>ase:MessageAcknowledgement</i> the Recipient. This will be addressed from the Initiator of the original request.</p> <p>(m) Step 18: the Recipient will validate and send a Hub Acknowledgement to the e-24.</p> 	Noted. Figure has been updated with additional/reordered steps so the step numbers are now different. Refer to items 137 and 139.
144	AGL	8.2.3	Editorial	Figure 20: Incomplete missing TACK for NotifyParty Transaction	Refer to item 137.
145	AGL	8.2.3	Editorial	Add new clause (l) etc. : Suggest adding a clause to state that following steps will be similar to steps 15 to 24 in 8.2.1 where Notified Party sends TACK for the NotifyParty Transaction from step 15	Refer to item 138.

ID	Participant	New Clause	Type	Comments	IEC/AEMO Response
146	Simply Energy	8.2.3	Editorial	<u>Recipient sends a Business Rejection</u> Figure 20 All throughout the usecase diagram “NotifyParty” is used instead of “NotifiedParty” as prescribed in the One Way Notification Procedure.	Refer to item 139.
147	VECTORAMS	8.2.3	Clarification	VECTORAMS was of the understanding that the e-hub would only forward SO Notifications once the SO request had been business accepted, therefore a Notified party would not receive ‘Rejected’ SO’s. This section is inconsistent with this approach. Please clarify. Note: VECTORAMS would prefer not to receive rejected SO because no work will be done.	It was decided by the SWG that the trigger for the notification would be on the positive BusinessReceipt from the Recipient, rather than a positive BusinessAcceptance, because the SWG believed Notified Parties required notifications as soon as possible.
148	AGL	8.2.4	Editorial	Figure 21: Missing steps for TACK of NotifyParty Transaction in 41.	Refer to item 137.
149	AGL	8.2.4	Editorial	Add new clauses (ii) etc. : Suggest adding steps similar to steps 15 to 24 in 8.2.1	Refer to item 138.
150	Simply Energy	8.2.4	Editorial	<u>Incorrect Notified Party</u> Figure 21 All throughout the usecase diagram “NotifyParty” is used instead of “NotifiedParty” as prescribed in the One Way Notification Procedure.	Refer to item 139.
151	Simply Energy	8.2.4	Clarification	<u>Incorrect Notified Party</u> We would like to request for a sample XML for “Rejection by Notified Party” transaction for more clarity.	Sample files will be made available as part of the final schema release.

ID	Participant	New Clause	Type	Comments	IEC/AEMO Response
152	EnergyAustralia	8.2.4(t)	Clarification	<p>In the <i>NotifiedParty</i> transaction raised by the initiator for the new/correct party:</p> <ol style="list-style-type: none"> What is the value of the <i>NotificationStatus</i>? Is it “SO requested”? <p>Does the payload (SO Request) need to have the corrected list of notified parties (i.e. removed incorrect party, added new party)? Is this new list of notified parties what the e-Hub uses to update the distribution list that it maintains for the SO Request?</p>	<p><i>NotificationStatus</i> depends on when the Initiator realises that the Notified Party needs to be added/changed (see TDS 8.6.1 and OWN Procedure).</p> <p>The e-Hub uses the To Participant ID in the <i>NotifiedParty</i> header to update the list of notified parties for the given Service Order ID.</p> <p>If status is ‘SO Requested’ and the payload is the <i>ServiceOrderRequest</i>, it is up to the Initiator to ensure the payload contains the corrected list of notified parties (i.e. removed incorrect party, added new party). The e-Hub will not validate the payload.</p>
153	AGL	8.3	Editorial	Upper/lower case spelling of transaction and message acknowledgment is inconsistent	Agreed, updated where required.
154	EnergyAustralia	8.3 (a)	Clarification	How are notified parties expected to be advised of cancellations?	Refer to item 131.
155	Pacific Hydro	8.3 (c)	Change	<p>(c) Notifications must be triggered manually by the Initiator to the Notified Party at the following points if <i>NotifiedPartyID</i> is not populated in the <i>ServiceOrderRequest</i> (Service Orders used as an example below):</p> <ol style="list-style-type: none"> When a Recipient provides a positive message acknowledgement for a <i>ServiceOrderRequest</i>; <i>NotifiedParty</i> transaction <i>NotificationStatus</i> of ‘SO requested’. When a Recipient provides a negative transaction acknowledgement for a <i>ServiceOrderRequest</i>; <i>NotifiedParty</i> transaction <i>NotificationStatus</i> of ‘SO rejected’. When a <i>ServiceOrderResponse</i> is sent by the Recipient; <i>NotifiedParty</i> transaction <i>NotificationStatus</i> of ‘SO completion’. <p>It is expected the Initiator would send a transaction to the notified party at the time of sending the <i>ServiceOrderRequest</i>. Should this be included here?</p>	<p>No change. Notifications are required from the Initiator to a Notified Party as stated in 8.3.</p> <p>Also refer to item 147.</p>

ID	Participant	New Clause	Type	Comments	IEC/AEMO Response
156	EnergyAustralia	8.3(b)	Clarification	Please clarify if this means the initiator will get a negative txn ack and an OWN with notification status rejection by notified party.	<p>The Initiator will receive a NotifiedParty transaction with status 'Rejection by Notified Party', with the corresponding payload as the BusinessRejection from the incorrect Notified Party. (Also refer to OWN section 4.1)</p> <p>Updated clause (b) as this only applies when the Initiator has opted for the e-Hub to manage notifications to Notified Parties.</p>

ID	Participant	New Clause	Type	Comments	IEC/AEMO Response
157	EnergyAustralia	8.6.1	Clarification	<p>1. The section below is not consistent with the B2B Guide Section 3.4 Business Communications Model Changes> (e)</p> <p style="padding-left: 40px;">The cause of the rejection will need to be determined and appropriate action should be taken. This may involve re-issuing a modified Notification to the appropriate party, or updating the original Notification list on the Service Order Request. (Note: in this case the e-Hub will re-issue the Notification using the updated list of Notified Parties).</p> <p>Is this really OR, or it is actually the OWNPN has to be sent but the list of notified parties in the SO Request in the OWNPN payload needs to include the updated list of notified parties?</p> <p>2. As per the tech spec, there is only one option and that is to send a new OWNPN to the new notified parties.</p> <p>3. As per the tech spec, (b) the e hub updates the notified parties list maintained for given initiating transaction. But how does the hub know which notified party to remove and which to add are they keeping track of this based on the rejection?</p> <p>4. The initiator would need to update the list of notified parties in the service order request in the payload of the OWNPN for the ehub to override the list in the hub....but this is not mentioned</p>	<p>1. B2B Guide to be updated to reflect the updated procedures.</p> <p>2. Yes this is correct.</p> <p>3. Yes, the e-Hub will update the notified party list for the given Service Order ID and remove the notified party on receipt of the rejection from the notified party for future notifications.</p> <p>4. The e-Hub does not look at the payload of the <u>NotifiedParty</u> transaction to update the notified party list, see item 152.</p>

ID	Participant	New Clause	Type	Comments	IEC/AEMO Response
158	AGL	8.6.1 (a)	Editorial	Reword: Missing “to” before trigger “...the Initiator is expected to trigger a ...”	Agreed.
159	AGL	9.1	Note	This would be helpful at the start of the document to understand the high level architecture and terminology.	Noted. Reference to figures in section 9.1 added at the beginning of the document.
160	AGL	9.1	Editorial	Sub clause numbering incorrect. Renumber to (a) and (b).	Agreed.
161	AGL	9.4.1 (b)	Editorial	Reword: Remove “to” before “inform” in last sentence	Agreed.
162	AGL	9.8 (f)	Editorial	Error! Reference source not found	Agreed.
163	Endeavour Energy	9.8(f)	Editorial	Reference error (f) Participants must ensure that the subject line of the email contains the file name of the attached Message, in accordance with paragraph Error! Reference source not found. of this Procedure.	Refer to item 162.