
Schema Change Request

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Prepared By	Bibhakar Saran
Priority	

<i>Notes</i>

Document Control

Version	Date	Author	Summary of Change
1.0	17/04/2003	Bibhakar Saran	Defined sections 1 & 2 for change proposal.
1.1	23/04/2003	Bibhakar Saran	Modified sections 1.4.1 and 1.4.2 to include change descriptions for each business process in relevant market jurisdictions
1.2	30/4/2003	Bibhakar Saran	Section 1.1 was updated to include changes to aseXML schema based on section 1.4.2 for each business process specification
1.2	30/4/2003	Bibhakar Saran	Applied changes as per action item from ITSG meeting #6 dated 30/4/2003
1.2	7/5/2003	Bibhakar Saran	Added documentation for CSV transactions. Ensured that schema complies with the guidelines for containers of multiple entries.
1.3	13/5/2003	Bibhakar Saran	Updated as per comments received from ASWG on 9/5/2003
1.4	19/5/2003	Bibhakar Saran	Updated as per comments received from ASWG on 16/5/2003. Applied guidelines and conformance criteria to rectify errors identified during test phase. Created companion document "Release Notes CR#4.doc" providing details of the changes listed in the section Change log. Updated to reflect the new ASWG template for Schema Change Request documents.
1.5	28/5/2003	Bibhakar Saran	Updated the change log and related tables to reflect reviewers' comments
1.6	29/5/2003	Darren Field	Schema reviewed by ASWG. Sections 3, 4 and 5 completed.

Document Status

This document is at the Approval and Acceptance phase. Subject to ASWG confirmation the change request is Approved.

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1. Change Proposal

1.1. Description of the proposed change

Table 1-1, Proposed Changes

Item#	Change Description	Change Type
1.	Create new aseXML transaction for customer data complaint notification	"New"
2.	Create new aseXML and CSV wrapped transactions for customer details notification	"New"
3.	Create new aseXML transactions for NMI discovery follow-up	"New"
4.	Create new aseXML and CSV wrapped transactions for customer disconnection notification	"New"
5.	Update aseXML and create new CSV wrapped transactions for Meter Configuration Notification	"Update/New"
6.	Create new aseXML and CSV wrapped transactions for NetworkBillingNotification	"New"
7.	Update aseXML and create new CSV wrapped transactions for Dispute Notification	"Update/New"
8.	Update aseXML and create new CSV wrapped transactions for Remittance Advice	"Update/New"
9.	Create new aseXML and CSV wrapped transactions for Dispute Status Change Advice	"New"
10.	Create new aseXML and CSV wrapped transactions for Outstanding Invoice Advice	"New"
11.	Create new aseXML and CSV wrapped transactions for Credit Balance Invoice Advice	"New"
12.	Create new aseXML and CSV wrapped transactions for Excluded Service Charge Tax Invoice	"New"
13.	Update aseXML Electricity Service Order data type definitions	"Update"
14.	Delete unused Appointment Request and Appointment Response transaction	"Remove"
15.	Delete unused Field Work request transaction	"Remove"
16.	Delete unused Quotation request and Quotation Response transaction	"Remove"

1.2. Reason for Change

1. The B2BWG has approved a strategic position for ITSG, whereby for any effective business process specification, the aseXML schema change request is to be defined and submitted to ASWG.
2. This document defines the changes required to the B2B segments of the schema in order to enable the use of aseXML for B2B exchanges as per approved and effective specifications.

1.3. Supplied Documents

1. B2B_CD_SA_IP_Complaint_Notification_v1-0_-_Effective_13Feb2003.doc
2. B2B_CD_SA_IP_Customer_Details_Notification_v1-1_-_Effective_9Mar2003.doc
3. B2B_CD_SA_IP_LNSP_Disconnection_Of_Customer_Notification_v1-1_-_Effective_9Mar2003.doc
4. B2B_CD_SA_IP_NMI_Disc_and_MSATS_Reg_v1-0_-_Effective_12Dec2002.doc
5. B2B_CD_Vic_IP_Customer_Details_Notification_v1-2_-_Effective_15Dec02.doc
6. B2B_CD_Vic_IP_LNSP_Disconnection_of_Customer_Notification_v1-3_-_Effective_9Mar2003.doc
7. B2B_MD_Vic_IP_Meter_Configuration_v3-0_-_Effective_3Nov2002.doc
8. B2B_NB_NSW_IP_v2.3_-_Effective_from_9Dec2002.doc
9. B2B_NB_SA_IP_v1-0_-_Effective_13Apr2003.doc
10. B2B_NB_Vic_IP_Disputes_v1-2_-_Effective_13Jan2002 .doc

11. B2B_NB_Vic_IP_v1-1_-_Effective_13Jan2002.doc
12. B2B_SO_SA_IP_v1-0_-_Effective_1Jan2003.doc
13. B2B_SO_Vic_IP_Service_Orders_v2-4a_-_Effective_09Feb2003.doc

1.4. Impact assessments on Participant's systems

1.4.1 Business Impact

This section provides an overview of changes proposed to the aseXML Schema (currently at release 10) as a consequence of the recently agreed principle:

"The latest aseXML Schema should always reflect the NEM B2B transaction definitions **effective** at the time the Schema is finalised (usually at least two weeks prior to the Schema being released)."

1.4.1.1 Current Schema (r10)

The current aseXML Schema includes B2B transactions originally defined in Schema r8. The "heredity" of the included electricity transactions cannot be verified but seems to be based on approved and not-approved processes:

Process and Reference	Comments
Network Billing <ul style="list-style-type: none"> Based on a draft standard 0.1 available 7/12/2001 with some modifications adopted from draft 0.3 	Full XML transactions for: <ul style="list-style-type: none"> NBCharges (Invoice Notification) NBRemit (Invoice Notification) NBDisputes IDispute Notification) Not clear whether these transactions actually align with those defined in the Network Billing v1.1 process specification.
Customer Data <ul style="list-style-type: none"> Based on a version (B2B_CD_Vic_IP_Customer_Details_Notification_v0-3.doc) available 5 October 2001 	Full XML transactions for: <ul style="list-style-type: none"> CUSTDETAILS (Customer Details Notification) Again, not clear whether this transaction accurately reflects the latest customer details notification.
Service Orders A hybrid of: <ul style="list-style-type: none"> B2B_SO_Vic_IP_Service_Orders_v1-0_-_Effective_6Dec2001.doc; and Draft 0.2 (which defined low priority transactions but was never approved) – 14 August 2001 	Full XML transactions for: <ul style="list-style-type: none"> Service Order Requests Service Order Response And additional support (although never approved in a B2B process specification) for: <ul style="list-style-type: none"> Appointment Request Appointment Response
Meter Configuration <ul style="list-style-type: none"> Assumed to be based on a draft version available on 15 October 2001. 	Full XML transaction for: <ul style="list-style-type: none"> Meter configuration notification
Meter Data <ul style="list-style-type: none"> Implemented in the Schema by NEMMCO 	Support for: <ul style="list-style-type: none"> CSV embedded consumption data CSV embedded interval data CSV embedded profile data XML Meter Data response transaction
Faults <ul style="list-style-type: none"> Based on an approved but never effective specification available July 2001. 	Full XML transactions for: <ul style="list-style-type: none"> Fault information request Fault notification Fault/outage advise

1.4.1.2 Current Effective B2B Processes

1.4.1.2.1 National Processes

Process and Reference	Comments

1.4.1.2.2 Victorian Processes

Process and Reference	Comments
Meter Data <ul style="list-style-type: none"> B2B_MD_Vic_IP_Meter_Data_v1-0_-_Effective_3Nov2002.doc 	No changes will be made to meter data elements in the Schema.
<ul style="list-style-type: none"> B2B_MD_Vic_IP_Meter_Data_& Configuration_Process_Definition_v1-0_-_Effective_13Jan2002.doc 	Definitions and therefore no need to interpret into aseXML.

Process and Reference	Comments
Network Billing <ul style="list-style-type: none"> B2B_NB_Vic_IP_v1-1_-_Effective_13Jan2002.doc 	The transactions defined in this specification will be fully represented in aseXML but support will also be available as an embedded CSV file.
<ul style="list-style-type: none"> B2B_NB_Vic_IP_Disputes_v1-2_-_Effective_13Jan2002 .doc 	
Customer Data <ul style="list-style-type: none"> B2B_CD_Vic_IP_Complaint_Notification_v1-1_-_Effective_15Dec02.doc 	In section 2.3.1 it states that there is no expectation that this transaction needs to be incorporated into aseXML. Therefore this transaction ("COMPLAINT") will not be included.
<ul style="list-style-type: none"> B2B_CD_Vic_IP_Customer_Details_Notification_v1-2_-_Effective_15Dec02.doc 	This will be fully incorporated as an aseXML transaction but support will also be provided for these details to be provided as an embedded CSV file.
<ul style="list-style-type: none"> B2B_CD_Vic_IP_Customer_Disconnection_Notification_v1-0_-_Effective_6May2002.doc 	Superseded by the following process specification – no action to be taken.
<ul style="list-style-type: none"> B2B_CD_Vic_IP_LNSP_Disconnection_of_Customer_Notification_v1-3_-_Effective_9Mar2003.doc 	The transactions defined in this specification will be fully represented in aseXML.
<ul style="list-style-type: none"> B2B_CD_Vic_IP_NMI_Discovery_Follow_up_v1-1_-_Effective_15Dec02.doc 	Since this process specification requires that a template be completed, the transactions included in this specification will not be included in aseXML at this time.
Service Orders <ul style="list-style-type: none"> B2B_SO_Vic_IP_Service_Orders_v2-4a_-_Effective_09Feb2003.doc 	The transactions defined in this specification will be fully represented in aseXML.
Meter Configuration Data <ul style="list-style-type: none"> B2B_MD_Vic_IP_Meter_Configuration_v3-0_-_Effective_3Nov2002.doc 	The transactions defined in this specification will be fully represented in aseXML but support will also be available as an embedded CSV file.

1.4.1.2.3

South Australian Processes

Process and Reference	Comments
Network Billing <ul style="list-style-type: none"> B2B_NB_SA_IP_v1-0_-_Effective_13Apr2003.doc 	This will be fully incorporated as an aseXML transaction but support will also be provided for these details to be provided as an embedded CSV file.
Customer Data <ul style="list-style-type: none"> B2B_CD_SA_IP_Complaint_Notification_v1-0_-_Effective_13Feb2003.doc B2B_CD_SA_IP_Customer_Details_Notification_v1-1_-_Effective_9Mar2003.doc B2B_CD_SA_IP_LNSP_Disconnection_Of_Customer_Notification_v1-1_-_Effective_9Mar2003.doc B2B_CD_SA_IP_NMI_Disc_and_MSATS_Reg_v1-1_-_Effective_12Dec2002.doc 	<p>The transactions defined in this specification will be fully represented in aseXML.</p> <p>This will be fully incorporated as an aseXML transaction but support will also be provided for these details to be provided as an embedded CSV file.</p> <p>The transactions defined in this specification will be fully represented in aseXML.</p> <p>The transactions defined in this specification will be fully represented in aseXML except for:</p> <ul style="list-style-type: none"> MSATS Registration Request and NMI Registration Completed Report <p>Since these will not be required beyond ETSA Utilities "Stage 3" implementation.</p>
Service Orders <ul style="list-style-type: none"> B2B_SO_SA_IP_v1-0_-_Effective_1Jan2003.doc 	The transactions defined in this specification will be fully represented in aseXML.
Meter Configuration Data <ul style="list-style-type: none"> Meter Configuration date for SA is to be based on that for Victoria although there are two additional time of day codes. 	The transactions defined in this specification will be fully represented in aseXML but support will also be available as an embedded CSV file.

1.4.1.2.4

NSW Processes

Process and Reference	Comments
Market Operating Rules <ul style="list-style-type: none"> B2B_NSW_IP_B2B_Arrangements_v1-3_-_Effective_13Aug2002.doc 	These processes specifically require the use of Excel spreadsheets and will not be incorporated into aseXML.
Network Billing <ul style="list-style-type: none"> B2B_NB_NSW_IP_v2.3_-_Effective_from_9Dec2002.doc 	This will be fully incorporated as an aseXML transaction but support will also be provided for these details to be provided as an embedded CSV file.
Service Orders <ul style="list-style-type: none"> 	

1.4.1.3 Further Comments

1.4.1.3.1 Retaining Current r8 Elements

Only those elements from r8 (carried through to r10) that are currently used by the gas market will be retained. All other elements, derived from the current and effective B2B process specifications, will be completely reworked. (Any correlation between r8 and r11 will therefore be coincidental rather than by design, except where gas market transactions are concerned.)

1.4.1.3.2 Faults

Although Faults is an "approved" but never effective process specification (and in accordance with our driving principle should be removed), these transactions will be left in the aseXML Schema until the issue of whether to remove is discussed by the B2B ITSG and approved by the B2B WG.

1.4.2 Technical Impact

This is a significant re-write of the schema due to lapsed time and process maturity. It means that participants using or intending to use r8 based B2B transactions defined in the aseXML schema on bilateral basis would need to re-invest in implementing transactions that are compliant with the B2B WG approved and effective process specifications.

The intent of the proposed changes is of "zero" impact on schema segments for use within:

- ❖ NEMMCO's MSATS and MDMT processes
- ❖ Victorian Gas market processes

Note: This guiding principle for the proposed changes in this document SHOULD NOT be compromised under any circumstances.

Only those B2B definitions from r8 that are currently used by the gas market will be retained. All other B2B definitions, derived from the current and effective B2B process specifications will be completely reworked. Any correlation between r8 and r11 will therefore be coincidental rather than by design, except where gas market transactions are concerned.

Relevant Specification	Action Required
Customer Data	
B2B_CD_SA_IP_Complaint_Notification_v1-0_-_Effective_13Feb2003.doc	New aseXML transactions
B2B_CD_SA_IP_Customer_Details_Notification_v1-1_-_Effective_9Mar2003.doc	New aseXML and CSV wrapped transactions
B2B_CD_SA_IP_LNSP_Disconnection_Of_Customer_Notification_v1-1_-_Effective_9Mar2003.doc	New aseXML transactions
B2B_CD_SA_IP_NMI_Disc_and_MSATS_Reg_v1-0_-_Effective_12Dec2002.doc	New aseXML transactions except for: <ul style="list-style-type: none"> ➤ MSATS Registration Request ➤ NMI Registration Completed Report
B2B_CD_Vic_IP_Customer_Details_Notification_v1-2_-_Effective_15Dec02.doc	New aseXML and CSV wrapped transactions
B2B_CD_Vic_IP_LNSP_Disconnection_of_Customer_Notification_v1-3_-_Effective_9Mar2003.doc	New aseXML transactions
Meter Configuration Data	
B2B_MD_Vic_IP_Meter_Configuration_v3-0_-_Effective_3Nov2002.doc	New aseXML and CSV wrapped transactions
Network Billing	
B2B_NB_NSW_IP_v2.3_-_Effective_from_9Dec2002.doc	New aseXML and CSV wrapped transactions
B2B_NB_SA_IP_v1-0_-_Effective_13Apr2003.doc	New aseXML and CSV wrapped transactions
B2B_NB_Vic_IP_Disputes_v1-2_-_Effective_13Jan2002.doc	New aseXML and CSV wrapped transactions
B2B_NB_Vic_IP_v1-1_-_Effective_13Jan2002.doc	New aseXML and CSV wrapped transactions
Service Orders	
B2B_SO_SA_IP_v1-0_-_Effective_1Jan2003.doc	New aseXML transactions
B2B_SO_Vic_IP_Service_Orders_v2-4a_-_Effective_09Feb2003.doc	New aseXML transactions

1.5. Affected Configuration Items (Baseline)

The proposed base lines are to be confirmed at the ASWG meeting.

1.5.1 Schema

The baseline for proposed changes is the “in progress” r11 schema with CR#3 delivered in the following zip file:



1. Change request #3.zip

2. Approval Proposal

2.1. Description of the proposed approval

The table below defines the action in relation to each change item as listed in the Description of the proposed change section.

Table 2-1, Proposed Change Approval

Item#	Proposal Notes	Category	Action
1.	Create new aseXML transaction for customer data complaint notification	"New"	Approved
2.	Create new aseXML and CSV wrapped transactions for customer details notification	"New"	Approved
3.	Create new aseXML transactions for NMI discovery follow-up	"New"	Approved
4.	Create new aseXML and CSV wrapped transactions for customer details notification	"New"	Approved
5.	Update aseXML and create new CSV wrapped transactions for Meter Configuration Notification	"Update/New"	Approved
6.	Create new aseXML and CSV wrapped transactions for NetworkBillingNotification	"New"	Approved
7.	Update aseXML and create new CSV wrapped transactions for Dispute Notification	"Update/New"	Approved
8.	Update aseXML and create new CSV wrapped transactions for Remittance Advice	"Update/New"	Approved
9.	Create new aseXML and CSV wrapped transactions for Dispute Status Change Advice	"New"	Approved
10.	Create new aseXML and CSV wrapped transactions for Outstanding Invoice Advice	"New"	Approved
11.	Create new aseXML and CSV wrapped transactions for Credit Balance Invoice Advice	"New"	Approved
12.	Create new aseXML and CSV wrapped transactions for Excluded Service Charge Tax Invoice	"New"	Approved
13.	Update aseXML Electricity Service Order data type definitions	"Update"	Approved
14.	Delete unused Appointment Request and Appointment Response transaction	"Remove"	Approved
15.	Delete unused Field Work request transaction	"Remove"	Approved
16.	Delete unused Quotation request and Quotation Response transaction	"Remove"	Approved

2.2. Configuration Items (New Baseline)

2.2.1 Draft schema

The new aseXML r11 schema is attached.

2.2.2 Schema change description

This is a significant re-write of the NEM B2B schema. Any items carried over from previous version are coincidental. These were not used as part of "recommended" industry processes. Extreme care has been taken to minimize the change impact on NEMMCO systems and VicGas market participants. Any changes to such segments have been discussed in details and are part of integrating with already approved changes to the schema.

2.2.3 Change log

All changes to this document as submitted to ASWG have been change marked and listed in the Document Control section.

The following changes constitute the comprehensive list of high-level changes. Details of particular changes are defined in the attached release notes.

Table 2-2, Schema Change Log

Chg. No	Description	FileName	Item#
1.	Remove include for "Appointments_r11.xsd"	AseXML_r11.xsd	14
2.	Replace existing file include with updated "MetedDataManagement_r11.xsd"	AseXML_r11.xsd	5
3.	Replace existing file include with updated "Transactions_r11.xsd"	AseXML_r11.xsd	All
4.	Update enumerated list UnitsOfMeasure to comply with the process specification	Common_r11.xsd	6
5.	Modified complexType ServicePoint child element Address of type AddressWithStatus	Common_r11.xsd	2, 13
6.	Defined new enumerated list SpecialConditionCode	CustomerDetails_r11.xsd	2
7.	Defined new complexType AustralianPhoneNumberWithStatus	CustomerDetails_r11.xsd	2
8.	Defined new complexType SpecialCondition	CustomerDetails_r11.xsd	2
9.	Updated complexType CustomerDetail	CustomerDetails_r11.xsd	2
10.	Defined new complexType DisconnectionDetail	CustomerDetails_r11.xsd	4
11.	Defined new complexType CustomerData	CustomerDetails_r11.xsd	1, 2, 4
12.	Updated complexType CustomerDetailsNotification	CustomerDetails_r11.xsd	2
13.	Added new complexType CustomerComplaintNotification	CustomerDetails_r11.xsd	1
14.	Added new complexType CustomerDisconnectionNotification	CustomerDetails_r11.xsd	4
15.	Modified enumerated list SORDResponseCode.	Electricity_r11.xsd	13
16.	Moved complexType SORDMeterDetail definition to this file.	Electricity_r11.xsd	13
17.	Updated ElectricityServiceOrderType, ElectricityServiceOrderDetails, and ElectricityServiceorderNotificationData	Electricity_r11.xsd	13
18.	Added enumerated list DirectionIndicator.	Electricity_r11.xsd	5
19.	Updated ElectricityMeterRegisterDetail	Electricity_r11.xsd	5
20.	An enumerated list TransactionCode is added as simpleType.	MeterDataManagement_r11.xsd	5
21.	Added complexType MeterConfigData	MeterDataManagement_r11.xsd	5
22.	Redefined complexType MeterConfigNotification to support XML and CSV wrapped transaction	MeterDataManagement_r11.xsd	5
23.	Updated enumerated list "ChargeType" and "DisputeReasonCode".	NetworkBilling_r11.xsd	7
24.	Increased maxLength facet value from "12" to "17" for "InvoiceNumber"	NetworkBilling_r11.xsd	6
25.	Deleted simpleType definitions Char1, VarChar10, Numeric1, Numeric5, Numeric10	NetworkBilling_r11.xsd	6
26.	Moved simpleType definition for NetworkTariffCode from Electricity_r11.xsd to this file	NetworkBilling_r11.xsd	6
27.	Redefined complexType GSTDetails	NetworkBilling_r11.xsd	6
28.	Defined complexType GSTData	NetworkBilling_r11.xsd	6
29.	Redefined complexType PaymentData	NetworkBilling_r11.xsd	6
30.	Redefined complexType DisputeFooter	NetworkBilling_r11.xsd	7
31.	Redefined complexType InvoiceNotificationSummary	NetworkBilling_r11.xsd	6
32.	Defined complexType InvoiceNotificationFooter	NetworkBilling_r11.xsd	6
33.	Redefined complexType BaseChargeItem	NetworkBilling_r11.xsd	6
34.	Redefined complexType NUOS	NetworkBilling_r11.xsd	6
35.	Defined complexType EventCharge	NetworkBilling_r11.xsd	6
36.	Redefined complexType GSL	NetworkBilling_r11.xsd	6
37.	Redefined complexType ExcludedService	NetworkBilling_r11.xsd	6

Chg. No	Description	FileName	Item#
38.	Redefined complexType InterestCharge	NetworkBilling_r11.xsd	6
39.	Redefined complexType BaseInvoice	NetworkBilling_r11.xsd	6
40.	Redefined complexType InvoiceSummary	NetworkBilling_r11.xsd	6
41.	Redefined complexType InvoiceDetail	NetworkBilling_r11.xsd	6
42.	Redefined complexType RemittanceDetail	NetworkBilling_r11.xsd	8
43.	Redefined complexType RemittanceSummary	NetworkBilling_r11.xsd	8
44.	Redefined complexType DisputeItem	NetworkBilling_r11.xsd	7
45.	Defined complexType ResolutionItem	NetworkBilling_r11.xsd	7
46.	Defined complexType Confirmation	NetworkBilling_r11.xsd	7
47.	Defined complexType DisputeStatusDetail	NetworkBilling_r11.xsd	9
48.	Defined complexType OutstandingInvoiceDetail	NetworkBilling_r11.xsd	10
49.	Defined complexType CreditBalanceDetail	NetworkBilling_r11.xsd	11
50.	Defined complexType NetworkInvoiceData	NetworkBilling_r11.xsd	6
51.	Defined complexType DisputeNotificationData	NetworkBilling_r11.xsd	7
52.	Defined complexType RemittanceData	NetworkBilling_r11.xsd	8
53.	Defined complexType DisputeStatusData	NetworkBilling_r11.xsd	9
54.	Defined complexType OutstandingInvoiceData	NetworkBilling_r11.xsd	10
55.	Defined complexType CreditBalanceData	NetworkBilling_r11.xsd	11
56.	Defined complexType ExcludedServiceData	NetworkBilling_r11.xsd	12
57.	Redefined complexType NetworkBillingNotification	NetworkBilling_r11.xsd	6
58.	Redefined complexType DisputeNotification	NetworkBilling_r11.xsd	7
59.	Redefined complexType RemittanceNotification	NetworkBilling_r11.xsd	8
60.	Defined complexType DisputeResponse,	NetworkBilling_r11.xsd	7, 9
61.	Added optional element Comments to complexType NMIDiscoveryRequest.	NMIDataAccess_r11.xsd	3
62.	Updated enumerated list SpecialReadReasonCode, ServiceOrderType,	ServiceOrder_r11.xsd	13
63.	Removed type definitions ProductCode, ProductDescription and SORDProduct	ServiceOrder_r11.xsd	13
64.	Added optional elements RetailerID and ProviderID of type PartyIdentifier	ServiceOrder_r11.xsd	13
65.	Added to optional data element SpecialNotes to abstract base type ServiceOrderNotificationData	ServiceOrder_r11.xsd	13
66.	Renamed complexType SORDSpecialComments to SpecialComments and fixed all usage in the schema and moved to Common_r11.xsd.	ServiceOrder_r11.xsd	13
67.	Deleted complexType FieldWorkRequest.	ServiceOrder_r11.xsd	15
68.	Deleted transaction FieldWorkRequest	Transactions_r11.xsd	5
69.	Deleted transaction QuotationRequest	Transactions_r11.xsd	16
70.	Deleted transaction QuotationResponse	Transactions_r11.xsd	16
71.	Deleted transaction AppointmentRequest	Transactions_r11.xsd	14
72.	Deleted transaction AppointmentResponse	Transactions_r11.xsd	14
73.	Added new transaction DisputeResponse	Transactions_r11.xsd	7, 9
74.	Added new transaction CreditNotification	Transactions_r11.xsd	10, 11
75.	Added new transaction CustomerComplaintNotification	Transactions_r11.xsd	1
76.	Added new transaction CustomerDisconnectionNotification	Transactions_r11.xsd	3

Chg. No	Description	FileName	Item#
77.	Modified definition of the TimeSplit	Common_r11.xsd	6
78.	Defined new complexType AddressWithStatus	Common_r11.xsd	6
79.	Defined new complexType Product	CustomerDetails_r11.xsd	6
80.	Defined new ComplexType NETBHeader	NetworkBilling_r11.xsd	6
81.	Defined new ComplexType CreditData	NetworkBilling_r11.xsd	9-11
82.	Deleted complexType definition DisputeData	NetworkBilling_r11.xsd	7, 8
83.	Added new simpleType DisputeStatusCode as enumerated list	NetworkBilling_r11.xsd	7, 8
84.	Change ChargeDescription to LineDescription	NetworkBilling_r11.xsd	6
85.	Changed element name from ChargeItemID to TransactionID	NetworkBilling_r11.xsd	6

2.2.4 Dependency analysis

The following table summarizes identified impact of the changes.

Table 2-3, Dependency Analysis

Chg. No	Description	Used by <u>Versioned</u> Types	Transactions
1	Remove include for "Appointments_r11.xsd"	<u>Schema technical change</u>	
2	Replace existing file include with updated "MetedDataManagement_r11.xsd"	<u>Schema technical change</u>	
3	Replace existing file include with updated "Transactions_r11.xsd"	<u>Schema technical change</u>	
4	Update enumerated list UnitsOfMeasure to comply with the process specification	NUOS EventCharge	NetworkInvoiceNotification
5	Modified complexType ServicePoint child element Address of typeAddressWithStatus	<u>CustomerDetailsNotification</u> <u>GasStandingData</u> <u>ServiceOrderRequest</u> <u>ServiceOrderNotification</u>	<u>CustomerDetailsNotification</u> <u>ServiceOrderRequest</u> <u>ServiceOrderResponse</u> <u>SpecialReadRequest</u> <u>SpecialReadResponse</u> <u>All transactions using GasStandingData</u>
6	Defined new enumerated list SpecialConditionCode	<u>CustomerDetailsNotification</u> <u>CustomerDisconnectionNotification</u> <u>CustomerComplaintNotification</u> <u>ServiceOrderRequest</u> <u>ServiceOrderNotification</u> <u>SpecialCondition</u> <u>CustomerDetail</u> <u>CustomerData</u>	<u>CustomerDetailsNotification</u> <u>CustomerDisconnectionNotification</u> <u>CustomerComplaintNotification</u> <u>ServiceOrderRequest</u> <u>ServiceOrderResponse</u> <u>SpecialReadRequest</u> <u>SpecialReadResponse</u>
7	Defined new complexType AustralianPhoneNumberWithStatus	<u>CustomerDetailsNotification</u> <u>CustomerDisconnectionNotification</u> <u>CustomerComplaintNotification</u> <u>ServiceOrderRequest</u> <u>ServiceOrderNotification</u>	<u>CustomerDetailsNotification</u> <u>CustomerDisconnectionNotification</u> <u>CustomerComplaintNotification</u> <u>ServiceOrderRequest</u> <u>ServiceOrderResponse</u> <u>SpecialReadRequest</u> <u>SpecialReadResponse</u>
8	Defined new complexType SpecialCondition	<u>CustomerDetailsNotification</u> <u>CustomerDisconnectionNotification</u> <u>CustomerComplaintNotification</u> <u>ServiceOrderRequest</u> <u>ServiceOrderNotification</u> <u>CustomerDetail</u> <u>CustomerData</u>	<u>CustomerDetailsNotification</u> <u>CustomerDisconnectionNotification</u> <u>CustomerComplaintNotification</u> <u>ServiceOrderRequest</u> <u>ServiceOrderResponse</u> <u>SpecialReadRequest</u> <u>SpecialReadResponse</u>

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Chg. No	Description	Used by <u>Versioned</u> Types	Transactions
9	Updated complexType CustomerDetail	<u>CustomerDetailsNotification</u> <u>CustomerDisconnectionNotification</u> <u>CustomerComplaintNotification</u> <u>ServiceOrderRequest</u> <u>ServiceOrderNotification</u> <u>CustomerData</u>	<u>CustomerDetailsNotification</u> <u>CustomerDisconnectionNotification</u> <u>CustomerComplaintNotification</u> <u>ServiceOrderRequest</u> <u>ServiceOrderResponse</u> <u>SpecialReadRequest</u> <u>SpecialReadResponse</u>
10	Defined new complexType DisconnectionDetail	<u>CustomerDisconnectionNotification</u>	<u>CustomerDisconnectionNotification</u>
11	Defined new complexType CustomerData	<u>CustomerDetailsNotification</u> <u>SpecialCondition</u> <u>CustomerDetail</u> <u>CustomerData</u>	<u>CustomerDetailsNotification</u> <u>CustomerDisconnectionNotification</u> <u>CustomerComplaintNotification</u>
12	Updated complexType CustomerDetailsNotification	<u>CustomerDetailsNotificationTransaction</u>	<u>CustomerDetailsNotification</u>
13	Added new complexType CustomerComplaintNotification	<u>CustomerComplaintNotificationTransaction</u>	<u>CustomerComplaintNotification</u>
14	Added new complexType CustomerDisconnectionNotification	<u>CustomerDisconnectionNotificationTransaction</u>	<u>CustomerDisconnectionNotification</u>
15	Modified enumerated list MeterConsumptionType and SORDResponseCode.	<u>ElectricityStandingData</u> <u>ElectricityServiceOrderNotificationData</u>	All transactions using <u>ElectricityStandingData</u> <u>ServiceOrderResponse(ELEC)</u> <u>SpecialReadResponse(ELEC)</u>
16	Moved complexType SORDMeterDetail definition to this file.	<u>ElectricityServiceOrderDetails</u>	<u>ServiceOrderRequest(ELEC)Notification</u> <u>SpecialReadRequest(ELEC)Response</u>
17	Updated ElectricityServiceOrderType, ElectricityServiceOrderDetails, and ElectricityServiceorderNotificationData	<u>ElectricityServiceOrderType</u> <u>ElectricityServiceOrderDetails</u> <u>ElectricityServiceOrderNotificationData</u>	<u>ServiceOrderNotification(ELEC)</u> <u>ServiceOrderResponse(ELEC)</u> <u>SpecialReadRequest(ELEC)</u> <u>SpecialReadResponse(ELEC)</u>
18	Added enumerated list DirectionIndicator.	<u>ElectricityMeterRegisterDetail</u> <u>ElectricityNMIStandingData</u>	All transactions using <u>ElectricityStandingData</u>
19	Updated ElectricityMeterRegisterDetail	<u>ElectricityNMIStandingData</u>	All transactions using <u>NMIElectricityStandingData</u>
20	An enumerated list TransactionCode is added as simpleType.	<u>MeterConfigNotificationData</u>	<u>MeterConfigNotification</u>
21	Added complexType MeterConfigData	<u>MeterConfigNotification</u>	<u>MeterConfigNotification</u>
22	Redefined complexType MeterConfigNotification to support XML and CSV wrapped transaction	<u>MeterConfigNotification</u>	<u>MeterConfigNotification</u>
23	Updated enumerated list "ChargeType" and "DisputeReasonCode".	Never usedw-schema definition - no impact	<u>NetworkInvoiceNotification</u> <u>DisputeNotification</u> <u>DisputeResponse</u>
24	Increased maxLength facet value from "12" to "17" for "InvoiceNumber"	Never usedw-schema definition - no impact	<u>NetworkBillingNotification</u> <u>RemittanceNotification</u> <u>DisputeNotification</u> <u>DisputeResponse</u> <u>CreditNotification</u>

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Chg. No	Description	Used by <u>Versioned</u> Types	Transactions
25	Deleted simpleType definitions Char1, VarChar10, Numeric1, Numeric5, Numeric10	Never usedw-schema-definition - no impact	
26	Moved simpleType definition for NetworkTariffCode from Electricity_r11.xsd to this file	New schema definitionTechnical schema change - no impact	
27	Redefined complexType GSTDetails	Never usedw-schema-definition - no impact	NetworkInvoiceNotification
28	Defined complexType GSTData	New schema definition - no impact	NetworkInvoiceNotification DisputeNotification DisputeResponse
29	Redefined complexType PaymentData	Never usedw-schema-definition - no impact	NetworkInvoiceNotification RemittanceNotification
30	Redefined complexType DisputeFooter	Never usedw-schema-definition - no impact	DisputeNotification
31	Redefined complexType InvoiceNotificationSummary	Never usedw-schema-definition - no impact	NetworkInvoiceNotification
32	Defined complexType InvoiceNotificationFooter	New schema definition - no impact	NetworkInvoiceNotification
33	Reefined complexType BaseChargeItem	Never usedw-schema-definition - no impact	NetworkInvoiceNotification
34	Redefined complexType NUOS	Never usedw-schema-definition - no impact	NetworkInvoiceNotification
35	Defined complexType EventCharge	New-schema definition - no impact	NetworkInvoiceNotification
36	Redefined complexType GSL	Never usedw-schema-definition - no impact	NetworkInvoiceNotification
37	Redefined complexType ExcludedService	Never usedw-schema-definition - no impact	NetworkInvoiceNotification
38	Redefined complexType InterestCharge	New schema definition - no impact	NetworkInvoiceNotification
39	Redefined complexType BaseInvoice	Never usedw-schema-definition - no impact	NetworkInvoiceNotification
40	Redefined complexType InvoiceSummary	Never usedw-schema-definition - no impact	NetworkInvoiceNotification
41	Redefined complexType InvoiceDetail	Never usedw-schema-definition - no impact	NetworkInvoiceNotification
42	Redefined complexType RemittanceDetail	Never usedw-schema-definition - no impact	RemittanceNotification
43	Redefined complexType RemittanceSummary	Never usedw-schema-definition - no impact	RemittanceNotification
44	Redefined complexType DisputeItem	Never usedw-schema-definition - no impact	DisputeNotification DisputeResponse
45	Defined complexType ResolutionItem	New schema definition - no impact	DisputeResponse
46	Defined complexType Confirmation	New schema definition - no impact	DisputeResponse
47	Defined complexType DisputeStatusDetail	New schema definition - no impact	Not used

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Chg. No	Description	Used by <u>Versioned</u> Types	Transactions
48	Defined complexType OutstandingInvoiceDetail	New schema definition - no impact	<u>CreditNotification</u>
49	Defined complexType CreditBalanceDetail	New schema definition - no impact	<u>CreditNotification</u>
50	Defined complexType NetworkInvoiceData	New schema definition - no impact	<u>NetworkInvoiceNotification</u>
51	Defined complexType DisputeNotificationData	New schema definition - no impact	<u>DisputeNotification</u>
52	Defined complexType RemittanceData	New schema definition - no impact	<u>RemittanceNotification</u>
53	Defined complexType DisputeStatusData	New schema definition - no impact	<u>DisputeResponse</u>
54	Defined complexType OutstandingInvoiceData	New schema definition - no impact	<u>Not used</u>
55	Defined complexType CreditBalanceData	New schema definition - no impact	<u>Not used</u>
56	Defined complexType ExcludedServiceData	New schema definition - no impact	<u>Not used</u>
57	Redefined complexType NetworkBillingNotification	Never used w-schema definition - no impact	<u>NetworkBillingNotification</u>
58	Redefined complexType DisputeNotification	Never user w-schema definition - no impact	<u>DisputeNotification</u>
59	Redefined complexType RemittanceNotification	Never used w-schema definition - no impact	<u>RemittanceNotification</u>
60	Defined complexType DisputeResponse,	New schema definition - no impact	<u>DisputeResponse</u>
61	Added optional element Comments to complexType NMIDiscoveryRequest.	NMIDiscoveryRequest	<u>NMIDiscoveryRequest</u>
62	Updated enumerated list SpecialReadReasonCode, ServiceOrderType,	New schema definition - no impact <u>GasServiceOrderType</u> <u>ElectricityServiceOrderType</u>	<u>ServiceOrderRequest</u>
63	Removed type definitions ProductCode, ProductDescription and SORDProduct	New schema definition - no impact <u>Never used</u>	
64	Added optional elements RetailerID and ProviderID of type PartyIdentifier to complexType ServiceOrderHeader	New schema definition - no impact <u>ServiceOrderNotification</u> <u>ServiceOrderRequest</u>	<u>ServiceOrderRequest</u> <u>ServiceOrderResponse</u> <u>SpecialReadRequest</u> <u>SpecialReadResponse</u>
65	Added to optional data element SpecialNotes to abstract base type ServiceOrderNotificationData	New schema definition - no impact <u>ServiceOrderNotification</u>	<u>ServiceOrderResponse</u> <u>SpecialReadResponse</u>
66	Renamed complexType SORDSpecialComments to SpecialComments and fixed all usage in the schema and moved to Common_r11.xsd.	Typedefs renamed, no elements affected	
67	Deleted complexType FieldWorkRequest.	Never used	<u>FieldWorkRequest</u>
68	Deleted transaction FieldWorkRequest	Never used	<u>Never used</u>
69	Deleted transaction QuotationRequest	Never used	<u>Never used</u>
70	Deleted transaction QuotationResponse	Never used	<u>Never used</u>
71	Deleted transaction AppointmentRequest	Never used	<u>Never used</u>
72	Deleted transaction AppointmentResponse	Never used	<u>Never used</u>

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Chg. No	Description	Used by <u>Versioned</u> Types	Transactions
73	Added new transaction DisputeResponse	New schema definition - no impact	<u>New transaction</u>
74	Added new transaction CreditNotification	New schema definition - no impact	<u>New transaction</u>
75	Added new transaction CustomerComplaintNotification	New schema definition - no impact	<u>New transaction</u>
76	Added new transaction CustomerDisconnectionNotification	New schema definition - no impact	<u>New transaction</u>
77	Modified definition of the TimeSplit	New schema definition - no impact NUOS	<u>NetworkInvoiceNotification</u>
78	Defined new complexType AddressWithStatus	<u>CustomerDetailsNotification</u> <u>GasStandingData</u> <u>ServiceOrderRequest</u> <u>ServiceOrderNotification</u> New schema definition - no impact	<u>CustomerDetailsNotification</u> <u>ServiceOrderRequest</u> <u>ServiceOrderResponse</u> <u>SpecialReadRequest</u> <u>SpecialReadResponse</u> <u>All transactions using GasStandingData</u>
79	Defined new complexType Product	New schema definition - no impact <u>ElectricityServiceOrderNotificationData</u> <u>CustomerDisconnectionNotification</u>	<u>ServiceOrderResponse(ELEC)</u> <u>SpecialReadResponse(ELEC)</u> <u>CustomrDisconnectionNotification</u>
80	Defined new ComplexType NETBHeader	New schema definition - no impact <u>NetworkInvoiceNotification</u> <u>DisputeNotification</u> <u>DisputeResponse</u> <u>CreditNotification</u> <u>RemittanceNotification</u>	<u>NetworkInvoiceNotification</u> <u>DisputeNotification</u> <u>DisputeResponse</u> <u>CreditNotification</u> <u>RemittanceNotification</u>
81	Defined new ComplexType CreditData	New schema definition - no impact <u>CreditNotification</u>	<u>CreditNotification</u>
82	Deleted complexType definition DisputeData	New schema definition - no impact <u>DisputeNotification</u>	<u>DisputeNotification</u>
83	Added new simpleType DisputeStatusCode as enumerated list	New schema definition - no impact <u>DisputeNotification</u> <u>DisputeResponse</u>	<u>DisputeNotification</u> <u>DisputeResponse</u>
84	Change ChargeDescription to LineDescription	NUOS <u>EventCharge</u> <u>GSL</u> <u>ExcludedService</u> New schema definition - no impact	<u>NetworkInvoiceNotification</u>

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Chg. No	Description	Used by <u>Versioned</u> Types	Transactions
85	Changed element name from ChargeItemID to TransactionID	<u>NUOS</u> <u>EventCharge</u> <u>GSL</u> <u>ExcludedService</u> <u>InterestCharge</u> <u>InvoiceSummary</u> <u>InvoiceDetail</u> <u>RemittanceNotification</u> <u>DisputeNotification</u> <u>DisputeResponse</u>	<u>NetworkInvoiceNotification</u> <u>RemittanceNotification</u> <u>DisputeNotification</u> <u>DisputeResponse</u>

3. Proposal Assessment

3.1. Test

The ASWG ensures that all recommended parsers on relevant platforms could successfully validate the proposed schema.

3.1.1 Test Platforms

The proposed schema and supplied sample instance documents have been tested using the following parsers:

- o xerces 1.4.4
- o xerces 2.2.1
- o MSXML 4 SP1
- o XML Spy version 4.3

3.1.2 Test Cases

The following existing sample xml documents have been tested against the proposed schema and are attached as XMLDocs:

- o AccCreationNotification_r11.xml
- o AmendMeterRouteDetails(RouteChange)_r11.xml
- o AmendMeterRouteDetails(SiteAccess)_r11.xml
- o AmendMeterRouteDetails(SiteAddress)_r11.xml
- o CATSChangeAlertToNFRO_r11.xml
- o CATSChangeAlertToVENCORP_r11.xml
- o CATSChangeRequest_r11.xml
- o CATSChangeRequestAlternate_r11.xml
- o CATSChangeRequestAlternateRetro_r11.xml
- o CATSChangeRequestRetro_r11.xml
- o CATSChangeRequestStandingDataResponse_r11.xml
- o CATSChangeRequestStandingDataResponseRetro_r11.xml
- o CATSChangeResponse_r11.xml
- o CATSChangeWithdrawal_r11.xml
- o CATSDataRequest_r11.xml
- o CATSNoticeOfReadFailure_r11.xml
- o CATSNotification_r11.xml
- o CATSNotificationCDB_r11.xml
- o CATSNotificationCFRO_r11.xml
- o CATSNotificationCompletedCDB_r11.xml
- o CATSNotificationPendingCFRO_r11.xml
- o CATSNotificationWithdrawalCDB_r11.xml

- [CATSNotificationWithdrawalCFRO_r11.xml](#)
- [CATSObjectionNotification_r11.xml](#)
- [CATSObjectionRequest_r11.xml](#)
- [CATSObjectionResponse_r11.xml](#)
- [CATSObjectionWithdrawal_r11.xml](#)
- [ChangeRequestAllFields_r11.xml](#)
- [ChangeRequestAllFieldsMeterConfig_r11.xml](#)
- [ChangeRequestAllFieldsMeterConfig_r11.xml](#)
- [CurrentRetailerConfirmationRequest.xml](#)
- [CurrentRetailerConfirmationRequest_r11.xml](#)
- [CurrentRetailerConfirmationResponse.xml](#)
- [CurrentRetailerConfirmationResponse_r11.xml](#)
- [FieldWorkNotification_r11.xml](#)
- [MDMReportRM11_r11.xml](#)
- [MDMReportRM16_r11.xml](#)
- [MDMReportRM21_r11.xml](#)
- [MeterDataHistoryRequest_r11.xml](#)
- [MeterDataHistoryResponse_r11.xml](#)
- [MeterDataMissingNotification_r11.xml](#)
- [MeterDataNotification_r11.xml](#)
- [MeterDataResponse_r11.xml](#)
- [MeterDataVerifyRequest_r11.xml](#)
- [MeterDataVerifyResponse_r11.xml](#)
- [MeteredSupplyPointsCount_r11.xml](#)
- [MeterNotificationMeterFix_r11.xml](#)
- [MeterNotificationMeterRemoval_r11.xml](#)
- [MeterReadInputNotification_r11.xml](#)
- [NetworkDUoSBillingNotification_r11.xml](#)
- [NMIDiscoveryRequestAddr\(RTRN\)_r11.xml](#)
- [NMIDiscoveryRequestAddr\(WOOD\)_r11.xml](#)
- [NMIDiscoveryRequestAddr\(PSGE\)_r11.xml](#)
- [NMIDiscoveryRequestDPID_r11.xml](#)
- [NMIDiscoveryRequestMeter_r11.xml](#)
- [NMIDiscoveryResponse_r11.xml](#)
- [NMISTandingDataRequest_r11.xml](#)
- [NMISTandingDataResponse_r11.xml](#)
- [NMISTandingDataResponseMeterConfig_r11.xml](#)
- [NMISTandingDataUpdateNotification_r11.xml](#)
- [NMISTandingDataUpdateNotificationResponse_r11.xml](#)
- [ReplicationNotificationAddress_r11.xml](#)

- [ReplicationNotificationCATSChangeResponse_r11.xml](#)
- [ReplicationNotificationCATSStreamlinedCRCodes_r11.xml](#)
- [ReplicationNotificationMeter_r11.xml](#)
- [ReplicationNotificationMeterConfig_r11.xml](#)
- [ReplicationNotificationNetworkTariffCodes_r11.xml](#)
- [ReplicationNotificationStandingDataAccessRules_r11.xml](#)
- [ReportRequestMeterConfig_r11.xml](#)
- [ReportResponseNMIMasterMeterConfig_r11.xml](#)
- [Seq06ObjectionNotification_r11.xml](#)
- [ServiceOrderRequest\(MeterFix\)_r11.xml](#)
- [ServiceOrderRequest\(NewConnection\)_r11.xml](#)
- [ServiceOrderResponse\(Completion\)_r11.xml](#)
- [ServiceOrderResponse\(Initial\)_r11.xml](#)
- [SnapshotReportMasterDataStreams_r11.xml](#)
- [SpecialReadRequest_r11.xml](#)
- [SpecialReadResponse\(NoAccess\)_r11.xml](#)
- [SpecialReadResponse_r11.xml](#)
- [TransAck_r11.xml](#)
- [TxnNAck_r11.xml](#)

The following new sample xml documents have been supplied by the change proposer and have been tested using the specified parsers. The files are attached as TestSamples:

- [CreditBalanceInvoiceNotification_r11_nsw_m.xml](#)
- [CreditBalanceInvoiceNotification_r11_sa_m.xml](#)
- [CustomerComplaintNotification_a.xml](#)
- [CustomerComplaintNotification_m.xml](#)
- [CustomerDetailsNotification_r11_a.xml](#)
- [DisputeNotification_r11_nsw_a.xml](#)
- [DisputeNotification_r11_nsw_m.xml](#)
- [DisputeNotification_r11_sa_a.xml](#)
- [DisputeNotification_r11_sa_m.xml](#)
- [DisputeNotification_r11_vic_a.xml](#)
- [DisputeNotification_r11_vic_m.xml](#)
- [DisputeResponse_r11_vic_a.xml](#)
- [DisputeResponse_r11_vic_m.xml](#)
- [DisputeStatusChangeNotification_r11_nsw_a.xml](#)
- [DisputeStatusChangeNotification_r11_nsw_m.xml](#)
- [DisputeStatusChangeNotification_r11_sa_a.xml](#)
- [DisputeStatusChangeNotification_r11_sa_m.xml](#)
- [ExcludedServiceNotification_r11_sa_a.xml](#)
- [ExcludedServiceNotification_r11_sa_m.xml](#)

- o [NetworkBillingNotification_r11_nsw_a.xml](#)
- o [NetworkBillingNotification_r11_nsw_m.xml](#)
- o [NetworkBillingNotification_r11_sa_a.xml](#)
- o [NetworkBillingNotification_r11_sa_m.xml](#)
- o [NetworkBillingNotification_r11_vic_a.xml](#)
- o [NetworkBillingNotification_r11_vic_m.xml](#)
- o [NMIDiscoveryFollowup_r11.xml](#)
- o [OutstandingInvoiceNotification_r11_nsw_a.xml](#)
- o [OutstandingInvoiceNotification_r11_nsw_m.xml](#)
- o [OutstandingInvoiceNotification_r11_sa_a.xml](#)
- o [OutstandingInvoiceNotification_r11_sa_m.xml](#)
- o [RemittanceNotification_r11_nsw_a.xml](#)
- o [RemittanceNotification_r11_nsw_m.xml](#)
- o [RemittanceNotification_r11_sa_a.xml](#)
- o [RemittanceNotification_r11_sa_m.xml](#)
- o [RemittanceNotification_r11_vic_a.xml](#)
- o [RemittanceNotification_r11_vic_m.xml](#)

3.2. Conformance Report

The ASWG completes the conformance report validating each proposed change against the published aseXML guidelines.

Note: Item# is a reference to items listed in the Description of the proposed approval.

Table 3-1, Change Proposal Conformance Details

Schema Filename	Impacted by Item #	Conformance Details
AseXML_r11.xsd	All	Conforms
Common_r11.xsd	2, 6, 13	Conforms
CustomerDetails_r11.xsd	1, 2, 4	Conforms
Electricity_r11.xsd	5, 13	Conforms
MeterDataManagement_r11.xsd	5	Conforms
NetworkBilling_r11.xsd	6 - 12	Derived Charge and Invoice items have had a version attribute added. In light of the discussion regarding whether version attributes should be optional or mandatory they have been made optional. This will be reviewed at a later date.
NMIDataAccess_r11.xsd	3	Conforms
ServiceOrder_r11.xsd	13, 15	Conforms
Transactions_r11.xsd	1, 3, 5, 7, 9, 10 - 12, 14, 16	Conforms

4. Review Disposition

The ASWG assists developers with schema related queries and confirms appropriateness of development against criteria.

4.1. Description of Changes - Approved and Accepted

Table 4-1, Review Notes for proposed approvals

Item#	Reviewer's Comment	Status
1.	<u>Proposed change accepted</u>	<u>Accepted</u>
2.	<u>Proposed change accepted</u>	<u>Accepted</u>
3.	<u>Proposed change accepted</u>	<u>Accepted</u>
4.	<u>Proposed change accepted</u>	<u>Accepted</u>
5.	<u>Proposed change accepted</u>	<u>Accepted</u>
6.	<u>Proposed change accepted</u>	<u>Accepted</u>
7.	<u>Proposed change accepted</u>	<u>Accepted</u>
8.	<u>Proposed change accepted</u>	<u>Accepted</u>
9.	<u>Proposed change accepted</u>	<u>Accepted</u>
10.	<u>Proposed change accepted</u>	<u>Accepted</u>
11.	<u>Proposed change accepted</u>	<u>Accepted</u>
12.	<u>Proposed change accepted</u>	<u>Accepted</u>
13.	<u>Proposed change accepted</u>	<u>Accepted</u>
14.	<u>Proposed change accepted</u>	<u>Accepted</u>
15.	<u>Proposed change accepted</u>	<u>Accepted</u>
16.	<u>Proposed change accepted</u>	<u>Accepted</u>

4.2. Impact assessments on Participant's systems

The ASWG seeks the market participants' input on the expected business and technical impacts.

4.2.1 Business Impact

As identified in section 1.4.1

4.2.2 Technical Impact

As identified in section 1.4.2

4.3. Supplied Documents

See Configuration Items (New Baseline) for details. Once the schema is being reviewed, the draft version of the schema is to be published. The audience and means of publication is decided on a case-by-case basis. The general rule is to promote participant's early access to the proposed changes.

Note: For the schema to be published, it must be ready for "Approval".

5. Resolution

The ASWG provides a resolution for each change item contained in the Approval Proposal. The resolution is forwarded to the Originator for implementation considerations as required by respective Change Management Process.

5.1. Changes Approved and Accepted

The ASWG compiles the list of change items proposed for approval together with their resolution status in the table below.

Note: Item# is a reference to items listed in the Description of Changes - Approved and Accepted.

Table 5-1, Change Log with Approval Status

Chg. No	Description	FileName	Item#	Status
1.	Remove include for "Appointments_r11.xsd"	AseXML_r11.xsd	14	<u>Accept</u>
2.	Replace existing file include with updated "MetedDataManagement_r11.xsd"	AseXML_r11.xsd	5	<u>Accept</u>
3.	Replace existing file include with updated "Transactions_r11.xsd"	AseXML_r11.xsd	All	<u>Accept</u>
4.	Update enumerated list UnitsOfMeasure to comply with the process specification	Common_r11.xsd	6	<u>Accept</u>
5.	Modified complexType ServicePoint child element Address of type AddressWithStatus	Common_r11.xsd	2, 13	<u>Accept</u>
6.	Defined new enumerated list SpecialConditionCode	CustomerDetails_r11.xsd	2	<u>Accept</u>
7.	Defined new complexType AustralianPhoneNumberWithStatus	CustomerDetails_r11.xsd	2	<u>Accept</u>
8.	Defined new complexType SpecialCondition	CustomerDetails_r11.xsd	2	<u>Accept</u>
9.	Updated complexType CustomerDetail	CustomerDetails_r11.xsd	2	<u>Accept</u>
10.	Defined new complexType DisconnectionDetail	CustomerDetails_r11.xsd	2	<u>Accept</u>
11.	Defined new complexType CustomerData	CustomerDetails_r11.xsd	4	<u>Accept</u>
12.	Updated complexType CustomerDetailsNotification	CustomerDetails_r11.xsd	1, 2, 4	<u>Accept</u>
13.	Added new complexType CustomerComplaintNotification	CustomerDetails_r11.xsd	2	<u>Accept</u>
14.	Added new complexType CustomerDisconnectionNotification	CustomerDetails_r11.xsd	1	<u>Accept</u>
15.	Modified enumerated list SORDResponseCode.	Electricity_r11.xsd	4	<u>Accept</u>
16.	Moved complexType SORDMeterDetail definition to this file.	Electricity_r11.xsd	13	<u>Accept</u>
17.	Updated ElectricityServiceOrderType, ElectricityServiceOrderDetails, and ElectricityServiceorderNotificationData	Electricity_r11.xsd	13	<u>Accept</u>
18.	Added enumerated list DirectionIndicator.	Electricity_r11.xsd	13	<u>Accept</u>
19.	Updated ElectricityMeterRegisterDetail	Electricity_r11.xsd	5	<u>Accept</u>
20.	An enumerated list TransactionCode is added as simpleType.	MeterDataManagement_r11.xsd	5	<u>Accept</u>
21.	Added complexType MeterConfigData	MeterDataManagement_r11.xsd	5	<u>Accept</u>
22.	Redefined complexType MeterConfigNotification to support XML and CSV wrapped transaction	MeterDataManagement_r11.xsd	5	<u>Accept</u>
23.	Updated enumerated list "ChargeType" and "DisputeReasonCode".	NetworkBilling_r11.xsd	5	<u>Accept</u>
24.	Increased maxLength facet value from "12" to "17" for "InvoiceNumber"	NetworkBilling_r11.xsd	7	<u>Accept</u>

Chg. No	Description	FileName	Item#	Status
25	Deleted simpleType definitions Char1, VarChar10, Numeric1, Numeric5, Numeric10	NetworkBilling_r11.xsd	6	Accept
26	Moved simpleType definition for NetworkTariffCode from Electricity_r11.xsd to this file	NetworkBilling_r11.xsd	6	Accept
27	Redefined complexType GSTDetails	NetworkBilling_r11.xsd	6	Accept
28	Defined complexType GSTData	NetworkBilling_r11.xsd	6	Accept
29	Redefined complexType PaymentData	NetworkBilling_r11.xsd	6	Accept
30	Redefined complexType DisputeFooter	NetworkBilling_r11.xsd	6	Accept
31	Redefined complexType InvoiceNotificationSummary	NetworkBilling_r11.xsd	7	Accept
32	Defined complexType InvoiceNotificationFooter	NetworkBilling_r11.xsd	6	Accept
33	Redefined complexType BaseChargeItem	NetworkBilling_r11.xsd	6	Accept
34	Redefined complexType NUOS	NetworkBilling_r11.xsd	6	Accept
35	Defined complexType EventCharge	NetworkBilling_r11.xsd	6	Accept
36	Redefined complexType GSL	NetworkBilling_r11.xsd	6	Accept
37	Redefined complexType ExcludedService	NetworkBilling_r11.xsd	6	Accept
38	Redefined complexType InterestCharge	NetworkBilling_r11.xsd	6	Accept
39	Redefined complexType BaseInvoice	NetworkBilling_r11.xsd	6	Accept
40	Redefined complexType InvoiceSummary	NetworkBilling_r11.xsd	6	Accept
41	Redefined complexType InvoiceDetail	NetworkBilling_r11.xsd	6	Accept
42	Redefined complexType RemittanceDetail	NetworkBilling_r11.xsd	6	Accept
43	Redefined complexType RemittanceSummary	NetworkBilling_r11.xsd	8	Accept
44	Redefined complexType DisputeItem	NetworkBilling_r11.xsd	8	Accept
45	Defined complexType ResolutionItem	NetworkBilling_r11.xsd	7	Accept
46	Defined complexType Confirmation	NetworkBilling_r11.xsd	7	Accept
47	Defined complexType DisputeStatusDetail	NetworkBilling_r11.xsd	7	Reject – type definition not used
48	Defined complexType OutstandingInvoiceDetail	NetworkBilling_r11.xsd	9	Accept
49	Defined complexType CreditBalanceDetail	NetworkBilling_r11.xsd	10	Accept
50	Defined complexType NetworkInvoiceData	NetworkBilling_r11.xsd	11	Accept
51	Defined complexType DisputeNotificationData	NetworkBilling_r11.xsd	6	Accept
52	Defined complexType RemittanceData	NetworkBilling_r11.xsd	7	Accept
53	Defined complexType DisputeStatusData	NetworkBilling_r11.xsd	8	Accept
54	Defined complexType OutstandingInvoiceData	NetworkBilling_r11.xsd	9	Reject – type definition not used
55	Defined complexType CreditBalanceData	NetworkBilling_r11.xsd	10	Reject – type definition not used
56	Defined complexType ExcludedServiceData	NetworkBilling_r11.xsd	11	Reject – type definition not used
57	Redefined complexType NetworkBillingNotification	NetworkBilling_r11.xsd	12	Accept
58	Redefined complexType DisputeNotification	NetworkBilling_r11.xsd	6	Accept
59	Redefined complexType RemittanceNotification	NetworkBilling_r11.xsd	7	Accept

Chg. No	Description	FileName	Item#	Status
60	Defined complexType DisputeResponse,	NetworkBilling_r11.xsd	8	<u>Accept</u>
61	Added optional element Comments to complexType NMIDiscoveryRequest.	NMIDataAccess_r11.xsd	7, 9	<u>Accept</u>
62	Updated enumerated list SpecialReadReasonCode, ServiceOrderType,	ServiceOrder_r11.xsd	10	<u>Accept</u>
63	Removed type definitions ProductCode, ProductDescription and SORDProduct	ServiceOrder_r11.xsd	11	<u>Accept</u>
64	Added optional elements RetailerID and ProviderID of type PartyIdentifier	ServiceOrder_r11.xsd	12	<u>Accept</u>
65	Added to optional data element SpecialNotes to abstract base type ServiceOrderNotificationData	ServiceOrder_r11.xsd	3	<u>Accept</u>
66	Renamed complexType SORDSpecialComments to SpecialComments and fixed all usage in the schema and moved to Common_r11.xsd.	ServiceOrder_r11.xsd	13	<u>Accept</u>
67	Deleted complexType FieldWorkRequest.	ServiceOrder_r11.xsd	13	<u>Accept</u>
68	Deleted transaction FieldWorkRequest	Transactions_r11.xsd	13	<u>Accept</u>
69	Deleted transaction QuotationRequest	Transactions_r11.xsd	13	<u>Accept</u>
70	Deleted transaction QuotationResponse	Transactions_r11.xsd	13	<u>Accept</u>
71	Deleted transaction AppointmentRequest	Transactions_r11.xsd	15	<u>Accept</u>
72	Deleted transaction AppointmentResponse	Transactions_r11.xsd	5	<u>Accept</u>
73	Added new transaction DisputeResponse	Transactions_r11.xsd	16	<u>Accept</u>
74	Added new transaction CreditNotification	Transactions_r11.xsd	16	<u>Accept</u>
75	Added new transaction CustomerComplaintNotification	Transactions_r11.xsd	14	<u>Accept</u>
76	Added new transaction CustomerDisconnectionNotification	Transactions_r11.xsd	14	<u>Accept</u>
77	Modified definition of the TimeSplit	Common_r11.xsd	7, 9	<u>Accept</u>
78	Defined new complexType AddressWithStatus	Common_r11.xsd	10	<u>Accept</u>
79	Defined new complexType Product	CustomerDetails_r11.xsd	11	<u>Accept</u>
80	Defined new ComplexType NETBHeader	NetworkBilling_r11.xsd	12	<u>Accept</u>
81	Defined new ComplexType CreditData	NetworkBilling_r11.xsd	1	<u>Accept</u>
82	Deleted complexType definition DisputeData	NetworkBilling_r11.xsd	3	<u>Accept</u>
83	Added new simpleType DisputeStatusCode as enumerated list	NetworkBilling_r11.xsd	6	<u>Accept</u>
84	Change ChargeDescription to LineDescription	NetworkBilling_r11.xsd	6	<u>Accept</u>
85	Changed element name from ChargeItemID to TransactionID	NetworkBilling_r11.xsd	6	<u>Accept</u>

Change numbers rejected have been removed from the draft schema. The updated schema is included with this package.