
Schema Change Request

Document ID	9
Change Type	Enhancement
Title	Added "AustralianStreetType" enumerations
Date	25 th Aug 2003
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Priority	

<i>Notes</i>

Document Control

Version	Date	Author	Summary of Change
1.0	25/8/2003	Darren Field	Initial draft

Document Status

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Nil

1. Change Proposal

1.1. Description of the proposed change

The following table describes the proposed changes.

Table 1-1, Proposed Changes

Item#	Change Description	Change Type
Business Changes		
1	Add "ISLD" and "HETH" to enumerated list for AustralianStreetType type definition	Enhancement

1.2. Reason for Change

1. The two identified Street Types – Island and Heath - are not included in the schema but are currently in use by Melbourne councils. Therefore they are required in the enumerated list to enable these addresses to be passed via the aseXML schema.

1.3. Supplied Documents

1.3.1 Business process document

Nil

1.3.2 Data model

Nil

1.4. Impact assessments on Participant's systems

1.4.1 Business Impact

1. Participants are currently unable to raise any transactions that require address information for the MIRNs at addresses that use the requested Street Types. The main business transactions impacted are Service Order transactions.

1.4.2 Technical Impact

1. The change will impact any back end systems that validate or carry out data mapping on the Street Type. Possible impacted systems include, but are not restricted to, Service Order systems, MIRN Management systems and Billing systems.

1.5. Affected Configuration Items (Baseline)

1.5.1 Schema

The proposed baseline schema version for this change is aseXML_r12 Draft2.

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
Business Changes			
1	Add "ISLD" and "HETH" to enumerated list for AustralianStreetType type definition	Enhancement	Approved

2.2. Configuration Items (New Baseline)

2.2.1 Draft schema

New schema aseXML_r12 Draft 3 is attached.

2.2.2 Schema change description

The schema has been changed to include the two new Street Types as enumerations in the ClientInformation schema file. All derived types and transactions impacted by this change have had the version attributes upgraded to r12

2.2.3 Release notes

2.2.3.1 Schema Manifest

- The table below shows the files that are impacted by this Change Request.

File names	Added	Modified	Deleted
aseXML_r*.xsd		X	
CATSTableReplication_r*.xsd		X	
ClientInformation_r*.xsd		X	
CustomerDetails_r*.xsd		X	
Electricity_r*.xsd		X	
Events_r*.xsd		X	
Faults_r*.xsd		X	
Gas_r*.xsd		X	
NMIDataAccess_r*.xsd		X	
ServiceOrders_r*.xsd		X	
Number of files impacted		11	

2.2.3.2 File Change Summary

This section identifies and lists any changes made to the schema files and highlights any issues.

2.2.3.2.1 Acknowledgements

- No change

2.2.3.2.2 aseXML

- Changed aseXML namespace to aseXML:r12
- Changed names of included files affected by r12

2.2.3.2.3 BulkDataTool

- No change

2.2.3.2.4 CATSReport

- No change

2.2.3.2.5 CATSTableReplication

- Changed version attribute to r12 on ElectricityNMIMasterRow, ElectricityNMIMasterRowBDT and ElectricityCATSChangeRequestNMIMasterRow derived types as result of the change in the address.

2.2.3.2.6 ClientInformation

- Added Street Types 'ISLD' and 'HETH'

2.2.3.2.7 Common

- No change

2.2.3.2.8 CustomerDetails

- Changed version attribute to r12 on CustomerDetailsNotification, CustomerComplaintNotification and CustomerDisconnectionNotification transaction as result of the change in the address.

2.2.3.2.9 CustomerTransfer

- No change

2.2.3.2.10 Electricity

- ElectricityStandingData version attribute changed to r12 as result of change in the address.

2.2.3.2.11 Events

- Added type for release r12

2.2.3.2.12 Faults

- Changed version attribute to r12 on FaultNotification, FaultInformationRequest and FaultOutageAdvice transaction as result of the change in the address.

2.2.3.2.13 Gas

- GasStandingData version attribute changed to r12 as result of change in the address. As the type GasStandingDataUpdate is derived from Gas StandingData, this version attribute is changed to r12 by default.

2.2.3.2.14 Header

- No change

2.2.3.2.15 MDMTReport

- No change

2.2.3.2.16 MeterDataManagement

- No change

2.2.3.2.17 NetworkBilling

- No change

2.2.3.2.18 NMIDataAccess

- Changed version attribute to r12 on NMIDiscoveryRequest transaction as result of the change in the address.

2.2.3.2.19 Reports

- No change

2.2.3.2.20 ServiceOrder

- Changed version attribute to r12 on ServiceOrderRequest and ServiceOrderNotification transactions as result of the change in the address.
- SpecialReadRequest and SpecialReadResponse transactions use the same type definition as ServiceOrderRequest and ServiceOrderResponse. Consequently, their version attribute is also upgraded to r12.

2.2.3.2.21 TableReplication

- No change

2.2.3.2.22 Transactions

- No change

2.2.4 Change log

The following changes have been implemented:

Chg No	Description	FileName	Item#
1	AseXML namespace change to urn:aseXML:r12 and include modified files	aseXML	1
2	Added type definition for Release Identifier value "r12"	Events	1
3	Added street type values "ISLD" and "HETH" to the enumerated list <i>AustralianStreetType</i>	ClientInformation	1
4	Version attribute of derived complex types <i>ElectricityNMIMasterRow</i> , <i>ElectricityNMIMasterRowBDT</i> and <i>ElectricityCATSChangeRequestNMIMasterRow</i> set to r12.	CATSTableReplication	1
5	Version attribute of the transaction complex types <i>CustomerComplaintNotification</i> , <i>CustomerDetailsNotification</i> and <i>CustomerDisconnectionNotification</i> set to r12.	CustomerDetails	1
6	Version attribute of the transaction complex types <i>FaultNotification</i> , <i>FaultInformationRequest</i> and <i>FaultOutageAdvice</i> set to r12.	Faults	1
7	Version attribute of the derived complex type <i>ElectricityStandingData</i> set to r12.	Electricity	1
8	Version attribute of the derived complex type <i>GasStandingData</i> set to r12.	Gas	1
9	Version attribute of the transaction complex type <i>NMIDiscoveryRequest</i> set to r12.	NMIDataAccess	1
10	Version attribute of the transaction complex types <i>ServiceOrderRequest</i> and <i>ServiceOrderNotification</i> set to r12.	ServiceOrders	1

2.3. Test

2.3.1 Test Platforms

The new schema has been tested using the following platforms as advised by ASWG:

- XMLSpy 4.3
- MSXML4 SP1
- Xerces 1.4.4 and 2.2.1

2.3.2 Test Cases

The following files have been tested against the new schema and are attached:

- AccCreationNotification_r12.xml
- AmendMeterRouteDetails(RouteChange)_r12.xml
- AmendMeterRouteDetails(SiteAccess)_r12.xml
- AmendMeterRouteDetails(SiteAddress)_r12.xml
- CATSChangeAlertToNFRO_r12.xml
- CATSChangeAlertToVENCORP_r12.xml
- CATSChangeRequestAlternateRetro_r12.xml
- CATSChangeRequestAlternate_r12.xml
- CATSChangeRequestRetro_r12.xml
- CATSChangeRequestStandingDataResponseRetro_r12.xml
- CATSChangeRequestStandingDataResponse_r12.xml
- CATSChangeRequest_r12.xml
- CATSChangeResponse_r12.xml
- CATSChangeWithdrawal_r12.xml
- CATSDataRequest_r12.xml
- CATSNoticeOfReadFailure_r12.xml
- CATSNotificationCDB_r12.xml
- CATSNotificationCFRO_r12.xml
- CATSNotificationCompletedCDB_r12.xml
- CATSNotificationPendingCFRO_r12.xml
- CATSNotificationWithdrawalCDB_r12.xml
- CATSNotificationWithdrawalCFRO_r12.xml
- CATSNotification_r12.xml
- CATSObjectionNotification_r12.xml
- CATSObjectionRequest_r12.xml
- CATSObjectionResponse_r12.xml
- CATSObjectionWithdrawal_r12.xml
- ChangeRequestAllFieldsMeterConfig_r12.xml
- ChangeRequestAllFields_r12.xml
- CreditBalanceInvoiceNotification_r12_nsw_m.xml
- CreditBalanceInvoiceNotification_r12_sa_m.xml
- CreditBalanceInvoiceNotification_r12_nsw_m.xml
- CreditBalanceInvoiceNotification_r12_sa_m.xml
- CurrentRetailerConfirmationRequest_r12.xml

- CurrentRetailerConfirmationResponse_r12.xml
- CustomerComplaintNotification_r12_a.xml
- CustomerComplaintNotification_r12_m.xml
- CustomerDetailsNotification_r12_a.xml
- DisputeNotification_r12_nsw_a.xml
- DisputeNotification_r12_nsw_m.xml
- DisputeNotification_r12_sa_a.xml
- DisputeNotification_r12_sa_m.xml
- DisputeNotification_r12_vic_a.xml
- DisputeNotification_r12_vic_m.xml
- DisputeResponse_r12_vic_a.xml
- DisputeResponse_r12_vic_m.xml
- DisputeStatusChangeNotification_r12_nsw_a.xml
- DisputeStatusChangeNotification_r12_nsw_m.xml
- DisputeStatusChangeNotification_r12_sa_a.xml
- DisputeStatusChangeNotification_r12_sa_m.xml
- ExcludedServiceNotification_r12_sa_a.xml
- ExcludedServiceNotification_r12_sa_m.xml
- FieldWorkNotification_r12.xml
- MDMReportRM11_r12.xml
- MDMReportRM16_r12.xml
- MDMReportRM21_r12.xml
- MeterDataHistoryRequest_r12.xml
- MeterDataHistoryResponse_r12.xml
- MeterDataMissingNotification_r12.xml
- MeterDataNotification_r12.xml
- MeterDataResponse_r12.xml
- MeterDataVerifyRequest_r12.xml
- MeterDataVerifyResponse_r12.xml
- MeteredSupplyPointsCount_r12.xml
- MeterNotificationMeterFix_r12.xml
- MeterNotificationMeterRemoval_r12.xml
- MeterReadInputNotification_r12.xml
- NetworkBillingNotification_r12_nsw_a.xml
- NetworkBillingNotification_r12_nsw_m.xml
- NetworkBillingNotification_r12_sa_a.xml
- NetworkBillingNotification_r12_sa_m.xml
- NetworkBillingNotification_r12_vic_a.xml
- NetworkBillingNotification_r12_vic_m.xml
- NetworkDUoSBillingNotification_DisputeRes_r12.xml

- NetworkDUoSBillingNotification_Dispute_r12.xml
- NetworkDUoSBillingNotification_PaymentAdvice_r12.xml
- NetworkDUoSBillingNotification_r12.xml
- NMIDiscoveryFollowup_r12.xml
- NMIDiscoveryRequestAddr(HEATH)_r12.xml
- NMIDiscoveryRequestAddr(ISLD)_r12.xml
- NMIDiscoveryRequestDPID_r12.xml
- NMIDiscoveryRequestMeter_r12.xml
- NMIDiscoveryResponse_r12.xml
- NMISTandingDataRequest_r12.xml
- NMISTandingDataResponseMeterConfig_r12.xml
- NMISTandingDataResponse_r12.xml
- NMISTandingDataUpdateNotificationResponse_r12.xml
- NMISTandingDataUpdateNotification_r12.xml
- OutstandingInvoiceNotification_r12_nsw_a.xml
- OutstandingInvoiceNotification_r12_nsw_m.xml
- OutstandingInvoiceNotification_r12_sa_a.xml
- OutstandingInvoiceNotification_r12_sa_m.xml
- RemittanceNotification_r12_nsw_a.xml
- RemittanceNotification_r12_nsw_m.xml
- RemittanceNotification_r12_sa_a.xml
- RemittanceNotification_r12_sa_m.xml
- RemittanceNotification_r12_vic_a.xml
- RemittanceNotification_r12_vic_m.xml
- ReplicationNotificationAddress_r12.xml
- ReplicationNotificationCATSChangeResponse_r12.xml
- ReplicationNotificationCATSStreamlinedCRCodes_r12.xml
- ReplicationNotificationMeterConfig_r12.xml
- ReplicationNotificationMeter_r12.xml
- ReplicationNotificationNetworkTariffCodes_r12.xml
- ReplicationNotificationStandingDataAccessRules_r12.xml
- ReportRequestMeterConfig_r12.xml
- ReportResponseNMIMasterMeterConfig_r12.xml
- Seq06ObjectionNotification_r12.xml
- ServiceOrderRequest(MeterFix)_r12.xml
- ServiceOrderRequest(NewConnection)_r12.xml
- ServiceOrderResponse(Completion)_r12.xml
- ServiceOrderResponse(Initial)_r12.xml
- SnapshotReportMasterDataStreams_r12.xml
- SO.Request.DEENRGISE_r12_p1c_a.xml

- SO.Request.DEENERGISE_r12_p1c_m.xml
- SO.Request.DEENERGISE_r12_p1_m.xml
- SO.Request.DEENERGISE_r12_sa_m.xml
- SO.Request.DEENERGISE_r12_vic_a.xml
- SO.Request.DEENERGISE_r12_vic_m.xml
- SO.Request.NEWCONNECT_r12c_m.xml
- SO.Request.NEWCONNECT_r12_a.xml
- SO.Request.NEWCONNECT_r12_vic_a.xml
- SO.Request.NEWCONNECT_r12_vic_m.xml
- SO.Response.DEENERGISE_r12c_a.xml
- SO.Response.DEENERGISE_r12c_m.xml
- SO.Response.DEENERGISE_r12_vic_a.xml
- SO.Response.DEENERGISE_r12_vic_m.xml
- SpecialReadRequest_r12.xml
- SpecialReadResponse(NoAccess)_r12.xml
- SpecialReadResponse_r12.xml
- TransAck_r12.xml
- TxnNAck_r12.xml

3. Proposal Assessment

3.1. Test

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

3.1.1 Test Platforms

The proposed schema has been verified against the parsers specified in section 2.3.1

3.1.2 Test Cases

The supplied test cases as per section 2.3.2 have been tested and are valid.

3.2. Dependency analysis

Item#	Transactions Impacted	Derived Types Impacted	Schema Filename	Modified Types
1	CustomerDetailsNotification CustomerDisconnectionNotification CustomerComplaintNotification FaultInformationRequest FaultNotification FaultOutageAdvice NMIDiscoveryRequest ServiceOrderRequest ServiceOrderNotification SpecialReadRequest SpecialReadResponse	ElectricityCATSChangeRequestNMIMasterRow ElectricityNMIMasterRow ElectricityNMIMasterRowBDT ElectricityStandingData GasStandingData GasStandingDataUpdate	ClientInformation_r*.xsd CATSTableReplication_r*.xsd CustomerDetails_r*.xsd Electricity_r*.xsd Faults_r*.xsd Gas_r*.xsd NMIDataAccess_r*.xsd ServiceOrder_r*.xsd	AustralianStreetType

3.3. Conformance Report

The ASWG completes the conformance report validating each proposed new schema file against the published aseXML guidelines.

Table 3-1, Change Proposal Conformance Details

Schema Filename	Impacted by Item #	Conformance Details
aseXML_r*.xsd	1	Conforms
CATSTableReplication_r*.xsd	1	Conforms
ClientInformation_r*.xsd	1	Conforms
CustomerDetails_r*.xsd	1	Conforms
Electricity_r*.xsd	1	Conforms
Events_r*.xsd	1	Conforms
Faults_r*.xsd	1	Conforms
Gas_r*.xsd	1	Conforms
NMIDataAccess_r*.xsd	1	Conforms
ServiceOrder_r*.xsd	1	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#	Review Notes	Status
1		
2		
3		

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

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

4.2.2 Technical Impact

4.3. Supplied Documents

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.

Table 5-1, Change Resolution

Chg No	Description	FileName	Status
1	AseXML namespace change to urn:aseXML:r12 and include modified files	aseXML	Accept
2	Added type definition for Release Identifier value "r12"	Events	Accept
3	Added street type values "ISLD" and "HETH" to the enumerated list <i>AustralianStreetType</i>	ClientInformation	Accept
4	Version attribute of derived complex types <i>ElectricityNMIMasterRow</i> , <i>ElectricityNMIMasterRowBDT</i> and <i>ElectricityCATSChangeRequestNMIMasterRow</i> set to r12.	CATSTableReplication	Accept
5	Version attribute of the transaction complex types <i>CustomComplaintNotification</i> , <i>CustomerDetailsNotification</i> and <i>CustomerDisconnectionNotification</i> set to r12.	CustomerDetails	Accept
6	Version attribute of the transaction complex types <i>FaultNotification</i> , <i>FaultInformationRequest</i> and <i>FaultOutageAdvice</i> set to r12.	Faults	Accept
7	Version attribute of the derived complex type <i>ElectricityStandingData</i> set to r12.	Electricity	Accept
8	Version attribute of the derived complex type <i>GasStandingData</i> set to r12.	Gas	Accept
9	Version attribute of the transaction complex type <i>NMIDiscoveryRequest</i> set to r12.	NMIDataAccess	Accept
10	Version attribute of the transaction complex types <i>ServiceOrderRequest</i> and <i>ServiceOrderNotification</i> set to r12.	ServiceOrders	Accept

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