Schema Release

AseXML Schema Working Group

Release r37

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Document History

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Date** | **Authors** | **Comments** |
| 1.0 | 02/08/2017 | Wayne Lee | Initial draft |
|  |  |  |  |

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# Introduction

Version r37 of the aseXML schema has been developed from r36. This schema release is presented to aseXML Subscribers and Industry Participants for review and to AEMO for approval, in accordance with the ASWG Terms of Reference.

# Change Requests

The following ASWG Change Requests have been included in this schema release:

|  |  |
| --- | --- |
| **CR#** | **Description** |
| 61 | aseXML Schema Change Request  |
|  |  |

These Change Requests are available from the ASWG or the aseXML website (<http://au.groups.yahoo.com/group/aseXMLTech/files/aseXML> Schemas/Schema Change Requests/) for review by all impacted parties.

#

# Impact Summary

This table identifies the files, transactions and versioned types that are changed in this schema, where:

* Modified types - is a full list of types changed in this schema
* Derived types – is a list of any types that are derived from a modified type, and are therefore also modified by default
* Versioned types affected – is a list of all versioned types that will need to have the version attribute updated to use this schema
* Transactions potentially affected – is a list of all transactions that contain a modified type, either directly or via a type substitution
* Schema files affected – is a list of schema files that have been changed in some way for this schema.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Modified types** | **Derived types** | **Versioned types affected** | **Transactions potentially affected** | **Schema files affected** |
|  |  |  |  | aseXML\_r36.xsd |
|  |  |  |  | Events\_r36.xsd |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

# File Change Summary

The following file changes are implemented to create the r36 schema version

## aseXML

* Changed aseXML namespace to urn:aseXML:r36

## Changes

|  |  |  |  |
| --- | --- | --- | --- |
| **Chg #** | **Item #** | **Description of change** | **Filename** |
| 1 | 1 | Updated schema namespace to ‘urn:aseXML:r37’.Updated Transactions schema to Transactions\_r37.xsdUpdated Events schema to Events\_r37.xsd Updated entry for ElectricityMasterStandingData.xsd to ElectricityMasterStandingData\_r37.xsdAdded Hub management schema as HubManagement\_r37.xsdFile version changed from r36 to r37. | 1 |
| 2 | 1 | Added r36 release identifier in the Event schema.File version changed from r36 to r37. | 2 |
|  |  | Added the following complex types for new transactions.* PayloadExceptionAlert
* HubFlowControlAlertNotification
* HubFlowControlReport
* HubQueueReport

File version changed from r36 to r37. |  |
|  |  | Modified the following Simple types* TransactionGroup

Add enumerated values |  |
|  |  | Added the following Simple types* HubMessageType
* MessageContextID
* ParameterName
* ParameterValue
* AlertType
* FlowControlAction
* StopFileCause
* APIName
* APIResource
* APIMethod

Added the following Complex types* MessageDetails
* MessageMetaData
* FlowControlAlert
* FlowControlAlerts
* RequestParameters
* RequestParameter
* APIReference

Added the following Complex Types for new transactions* PayloadExceptionAlert
* HubFlowControlAlertNotification
* HubFlowControlReport
* HubQueueReport
 |  |
|  |  |  |  |

Table 2‑1 Change Log

### Schema change description

#### aseXML\_r37.xsd

* Updated schema namespace to ‘urn:aseXML:r37’.
* Updated Transactions schema to Transactions\_r37.xsd
* Updated Events schema to Events\_r37.xsd
* Updated entry for ElectricityMasterStandingData.xsd to ElectricityMasterStandingData\_r37.xsd
* Add HubManagement\_r37.xsd

#### Events\_r37.xsd

* Add r37 release identifier

 <xsd:simpleType name="r37">

 <xsd:annotation>

 <xsd:documentation>Purpose - Release r37 identifier.</xsd:documentation>

 </xsd:annotation>

 <xsd:restriction base="ReleaseIdentifier">

 <xsd:enumeration value="r37"/>

 </xsd:restriction>

 </xsd:simpleType>

#### Transactions\_r37.xsd

* Modify Transaction complex type:
* Add PayloadExceptionAlert element
* Add HubFlowControlAlertNotification element
* Add HubFlowControlReport element
* Add HubQueueReport element

 <xsd:element name="PayloadExceptionAlert" type="PayloadExceptionAlert"/>

 <xsd:element name="HubFlowControlAlertNotification" type="HubFlowControlAlertNotification"/>

 <xsd:element name="HubFlowControlReport" type="HubFlowControlReport"/>

 <xsd:element name="HubQueueReport" type="HubQueueReport"/>

#### Header\_r37.xsd

* Modify TransactionGroup simple type by adding enumeration values:
* HMGT

 <xsd:simpleType name="TransactionGroup">

 <xsd:annotation>

 <xsd:documentation>

Purpose - Provide the transaction group to which all the contained transactions or transaction acknowledgments belong

Detail - The target application is at liberty to reject any transactions within the message that do not belong to the stated TransactionGroup. Where only message acknowledgements are carried, a transaction group of "MSGS" should be used.

The following groups are B2B process related:

FLTS - Faults and Outages

SORD - Service order, planned works

NETB - Network billing

MTRD - Meter data

CUST - Customer related

NOTF - Notifications (broadcast)

MKTW - Wholesale market operations

HSMD - High Speed Monitoring system

OWNP - Own Way Notification

EMMS - Electricity Market Management System

ERFT-NSW-ACT Wholesale Transaction Type

IAIT-NSW-ACT Wholesale Transaction Type

MRSR - remote services request/response

OWNX - NOMW, PIN and MFN

NPNX - Notified Party transaction

PTPE - Peer to Peer bilateral exchange

HMGT - Hub management

 </xsd:documentation>

 </xsd:annotation>

 <xsd:restriction base="xsd:string">

 <xsd:enumeration value="CATS"/>

 <xsd:enumeration value="MDMT"/>

 <xsd:enumeration value="MSGS"/>

 <xsd:enumeration value="NMID"/>

 <xsd:enumeration value="FLTS"/>

 <xsd:enumeration value="SORD"/>

 <xsd:enumeration value="NETB"/>

 <xsd:enumeration value="MTRD"/>

 <xsd:enumeration value="CUST"/>

 <xsd:enumeration value="NOTF"/>

 <xsd:enumeration value="SITE"/>

 <xsd:enumeration value="FLDW"/>

 <xsd:enumeration value="OUTG"/>

 <xsd:enumeration value="BAR"/>

 <xsd:enumeration value="NMIF"/>

 <xsd:enumeration value="MKTW"/>

 <xsd:enumeration value="HSMD"/>

 <xsd:enumeration value="OWNP"/>

 <xsd:enumeration value="EMMS"/>

 <xsd:enumeration value="ERFT"/>

 <xsd:enumeration value="IAIT"/>

 <xsd:enumeration value="MRSR"/>

 <xsd:enumeration value="OWNX"/>

 <xsd:enumeration value="NPNX"/>

 <xsd:enumeration value="PTPE"/>

 <xsd:enumeration value="HMGT"/>

 </xsd:restriction>

 </xsd:simpleType>

#### HubManagement\_r37.xsd

* Add HubMessageType simple type

 <xsd:simpleType name="HubMessageType">

 <xsd:restriction base="xsd:string">

 <xsd:maxLength value="50"/>

 <xsd:enumeration value="Transaction Message"/>

 <xsd:enumeration value="Transaction Acknowledgement"/>

 <xsd:enumeration value="Message Acknowledgement"/>

 </xsd:restriction>

 </xsd:simpleType>

* Add MessageContextID simple type

 <xsd:simpleType name="MessageContextID">

 <xsd:restriction base="xsd:string">

 <xsd:maxLength value="50"/>

 </xsd:restriction>

 </xsd:simpleType>

* Add ParameterName simple type

 <xsd:simpleType name="ParameterName">

 <xsd:restriction base="xsd:string">

 <xsd:maxLength value="100"/>

 </xsd:restriction>

 </xsd:simpleType>

* Add ParameterValue simple type

 <xsd:simpleType name="ParameterValue">

 <xsd:restriction base="xsd:string">

 <xsd:maxLength value="100"/>

 </xsd:restriction>

 </xsd:simpleType>

* Add AlertType simple type

 <xsd:simpleType name="AlertType">

 <xsd:restriction base="xsd:string">

 <xsd:maxLength value="50"/>

 </xsd:restriction>

 </xsd:simpleType>

* Add FlowControlAction simple type

 <xsd:simpleType name="FlowControlAction">

 <xsd:restriction base="xsd:string">

 <xsd:enumeration value="ADD"/>

 <xsd:enumeration value="REMOVE"/>

 </xsd:restriction>

 </xsd:simpleType>

* Add StopFileCause simple type

 <xsd:simpleType name="StopFileCause">

 <xsd:restriction base="xsd:string">

 <xsd:maxLength value="80"/>

 </xsd:restriction>

 </xsd:simpleType>

* Add APIName simple type

 <xsd:simpleType name="APIName">

 <xsd:restriction base="xsd:string">

 <xsd:maxLength value="80"/>

 </xsd:restriction>

 </xsd:simpleType>

* Add APIResource simple type

 <xsd:simpleType name="APIResource">

 <xsd:restriction base="xsd:string">

 <xsd:maxLength value="80"/>

 </xsd:restriction>

 </xsd:simpleType>

* Add APIMethod simple type

 <xsd:simpleType name="APIMethod">

 <xsd:restriction base="xsd:string">

 <xsd:maxLength value="10"/>

 </xsd:restriction>

 </xsd:simpleType>

* Add MessageDetails complex type

 <xsd:complexType name="MessageDetails">

 <xsd:annotation>

 <xsd:documentation>

Purpose – Contain instances of message ID meta data as a parent wrapper.

</xsd:documentation>

 </xsd:annotation>

 <xsd:sequence>

 <xsd:element name="MessageMetaData" type="MessageMetaData" minOccurs="0" maxOccurs="unbounded"/>

 </xsd:sequence>

 </xsd:complexType>

* Add MessageMetaData complex type

 <xsd:complexType name="MessageMetaData">

 <xsd:annotation>

 <xsd:documentation>Contains an instance of message meta data related to one message id</xsd:documentation>

 </xsd:annotation>

 <xsd:sequence>

 <xsd:element name="TransactionGroup" type="TransactionGroup" minOccurs="0" />

 <xsd:element name="Priority" type="TransactionPriority" minOccurs="0" />

 <xsd:element name="FromParticipantID" type="PartyIdentifier" minOccurs="0"/>

 <xsd:element name="MessageID" type="MessageIdentifier" minOccurs="0"/>

 <xsd:element name="InitiatingMessageID" type="MessageIdentifier" minOccurs="0"/>

 <xsd:element name="MessageType" type="HubMessageType"/>

 <xsd:element name="MessageContextID" type="MessageContextID"/>

 <xsd:element name="ReceivedDateTime" type="xsd:dateTime"/>

 </xsd:sequence>

 </xsd:complexType>

* Add FlowControlAlert complex type

 <xsd:complexType name="FlowControlAlert">

 <xsd:annotation>

 <xsd:documentation>

Purpose – Advise a participant of a new stop file or change in state.

</xsd:documentation>

 </xsd:annotation>

 <xsd:sequence>

 <xsd:element name="AlertType" type="AlertType"/>

 <xsd:element name="Action" type="FlowControlAction" minOccurs="0" />

 <xsd:element name="ParticipantID" type="PartyIdentifier"/>

 <xsd:element name="StopFileName" type="xsd:string" minOccurs="0"/>

 <xsd:element name="Cause" type="StopFileCause"/>

 <xsd:element name="StopDateTime" type="xsd:dateTime" minOccurs="0"/>

 <xsd:element name="RemoveDateTime" type="xsd:dateTime" minOccurs="0"/>

 </xsd:sequence>

 </xsd:complexType>

* Add FlowControlAlerts complex type

 <xsd:complexType name="FlowControlAlerts">

 <xsd:annotation>

 <xsd:documentation>Purpose - List of flow control alerts.</xsd:documentation>

 </xsd:annotation>

 <xsd:sequence>

 <xsd:element name="FlowControlAlert" type="FlowControlAlert" minOccurs="0" maxOccurs="unbounded"/>

 </xsd:sequence>

 </xsd:complexType>

* Add RequestParameters complex type

 <xsd:complexType name="RequestParameters">

 <xsd:annotation>

 <xsd:documentation>Purpose - Define the parameters for each request.</xsd:documentation>

 </xsd:annotation>

 <xsd:sequence>

 <xsd:element name="Parameter" type="RequestParameter" maxOccurs="unbounded"/>

 </xsd:sequence>

 </xsd:complexType>

* Add RequestParameter complex type

 <xsd:complexType name="RequestParameter">

 <xsd:annotation>

 <xsd:documentation>

Purpose - Associate a party with a role they are performing or intend to perform.

</xsd:documentation>

 </xsd:annotation>

 <xsd:sequence>

 <xsd:element name="Name" type="ParameterName"/>

 <xsd:element name="Value" type="ParameterValue"/>

 </xsd:sequence>

 </xsd:complexType>

* Add APIReference complex type

 <xsd:complexType name="APIReference">

 <xsd:annotation>

 <xsd:documentation>

Purpose - Contain API reference details.

</xsd:documentation>

 </xsd:annotation>

 <xsd:sequence>

 <xsd:element name="Name" type="APIName" minOccurs="0"/>

 <xsd:element name="Resource" type="APIResource" minOccurs="0"/>

 <xsd:element name="Method" type="APIMethod" minOccurs="0"/>

 </xsd:sequence>

 </xsd:complexType>

Add PayloadExceptionAlert

* complex type as new transaction.

 <xsd:complexType name="PayloadExceptionAlert">

 <xsd:sequence>

 <xsd:element name="InitiatingAPIReference" type="APIReference" minOccurs="0"/>

 <xsd:element name="MessageType" type="HubMessageType"/>

 <xsd:element name="MessageInitiator" type="PartyIdentifier"/>

 <xsd:element name="MessageID" type="MessageIdentifier" minOccurs="0"/>

 <xsd:element name="InitiatingMessageID" type="MessageIdentifier" minOccurs="0"/>

 <xsd:element name="MessageContextID" type="MessageContextID"/>

 <xsd:element name="AlertDateTime" type="xsd:dateTime"/>

 <xsd:element name="Event" type="Event"/>

 </xsd:sequence>

 <xsd:attribute name="version" type="r37" use="optional" default="r37"/>

 </xsd:complexType>

 

Add HubFlowControlAlertNotification

* complex type as new transaction.

 <xsd:complexType name="HubFlowControlAlertNotification">

 <xsd:sequence>

 <xsd:element name="FlowControlAlerts" type="FlowControlAlerts"/>

 </xsd:sequence>

 <xsd:attribute name="version" type="r37" use="optional" default="r37"/>

 </xsd:complexType>



Add HubFlowControlReport

* complex type as new transaction.

 <xsd:complexType name="HubFlowControlReport">

 <xsd:sequence>

 <xsd:element name="RequestParameters" type="RequestParameters" minOccurs="0"/>

 <xsd:element name="ResultCount" type="xsd:integer"/>

 <xsd:element name="FlowControlStandingData" type="FlowControlAlerts" minOccurs="0"/>

 </xsd:sequence>

 <xsd:attribute name="version" type="r37" use="optional" default="r37"/>

 </xsd:complexType>



Add HubQueueReport

* complex type as new transaction.

 <xsd:complexType name="HubQueueReport">

 <xsd:sequence>

 <xsd:element name="RequestParameters" type="RequestParameters minOccurs="0""/>

 <xsd:element name="ResultCount" type="xsd:integer"/>

 <xsd:element name="MessageDetails" type="MessageDetails" minOccurs="0"/>

 </xsd:sequence>

 <xsd:attribute name="version" type="r37" use="optional" default="r37"/>

 </xsd:complexType>



#### ElectricityMasterStandingData\_r37.xsd

The ElectricityMasterStandingData.xsd file is renamed to ElectricityMasterStandingData\_r37.xsd with no change to the contents.

# Schema Manifest

The table below shows the schema files included in this release. Files that have been added, removed or modified for this release are marked.

| File | Modified |
| --- | --- |
| Acknowledgements\_r15.xsd |  |
| aseXML\_r37.xsd | \* |
| BAR\_r31.xsd |  |
| BulkDataTool\_r33.xsd |  |
| CATSReports\_r33.xsd |  |
| CATSTableReplication\_r35.xsd |  |
| ClientInformation\_r36.xsd |  |
| Common\_r36.xsd |  |
| CustomerDetails\_r36.xsd |  |
| CustomerTransfer\_r29.xsd |  |
| ElectricityEnumerations.xsd |  |
| ElectricityHighSpeedMonitoring\_r2 |  |
| ElectricityMasterStandingData\_r37.xsd | \* |
| ElectricityMMS\_r33.xsd |  |
| Electricity\_r36.xsd |  |
| Enumerations.xsd |  |
| Events\_r37.xsd | \* |
| Faults\_r33.xsd |  |
| GasMarketWholesale\_r34.xsd |  |
| Gas\_r36.xsd |  |
| Header\_r37.xsd | \* |
| HighSpeedMonitoring\_r33.xsd |  |
| HubManagement\_r37.xsd | \* |
| MarketWholesale\_r20.xsd |  |
| MDMTReports\_r33.xsd |  |
| MeterDataManagement\_r36.xsd |  |
| NetworkBilling\_r34.xsd |  |
| NMIDataAccess\_r33.xsd |  |
| NOSAssessment\_r28.xsd |  |
| NOSBooking\_r33.xsd |  |
| NOSCommon\_r28.xsd |  |
| NOSEquipment\_r33.xsd |  |
| OneWayNotification\_r36.xsd |  |
| P2P\_r36.xsd |  |
| Reports\_r34.xsd |  |
| ServiceOrder\_r36.xsd |  |
| TableReplication\_r33.xsd |  |
| Transactions\_r36.xsd | \* |

# Schema Test

## Test Platforms

The new schema has been tested using the following platforms:

* XMLSpy 2010
* MSXML6
* Xerces 2.2.1 and 2.9.1

## Test

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

### Test Platforms

 Supplied samples have been tested using the following parsers:

* MSXML 6.0
* Xerces 2.2.1
* Xerces 2.9.1
* XMLSpy 2010

### Test Cases

* NOTE: Sample filenames have been modified, where they contained a space in the name, as these failed Xerces validation

HMGT\_HubFlowControlAlertNotification\_-\_Hub\_Sending\_StopFile\_Alerts\_to\_Participants\_r37.xml

HMGT\_HubFlowControlReport\_ -\_Hub\_responding\_to\_Participant\_Request\_on\_list\_of\_StopFiles\_r37.xml

HMGT\_HubQueueReport\_-\_Hub\_responding\_to\_Participant\_Request\_on\_list\_of\_msgs\_in\_HubQueue\_r37.xml

HMGT\_PayloadExceptionAlert\_-\_Hub\_alerting\_Participants\_on\_Response\_payload\_validation\_failure\_r37.xml

NEMB2B\_CustomerDetailsNotification\_SiteVacant\_r37.xml

NEMB2B\_CustomerDetailsNotification\_Update\_BusinessName\_r37.xml

NEMB2B\_CustomerDetailsNotification\_Update\_r37.xml

NEMB2B\_CustomerDetailsNotification\_Update\_Response\_r37.xml

NEMB2B\_CustomerDetailsReconciliation\_r37.xml

NEMB2B\_CustomerDetailsRequest\_Other\_r37.xml

NEMB2B\_CustomerDetailsRequest\_r37.xml

NEMB2B\_DisputeNotification\_vic\_a\_r37.xml

NEMB2B\_DisputeResponse\_vic\_a\_r37.xml

NEMB2B\_HSMMonitorData\_Request\_r37.xml

NEMB2B\_hsm\_capability.all.hsmdm\_r37.xml

NEMB2B\_hsm\_capability.normal.hsmdm\_gpupp\_r37.xml

NEMB2B\_hsm\_capability.selective.hsmdm\_r37.xml

NEMB2B\_hsm\_data.continuous.hsmdl\_r37.xml

NEMB2B\_hsm\_data.continuous.normal.hsmdl\_gpupp\_r37.xml

NEMB2B\_hsm\_data.triggered.hsmdl\_r37.xml

NEMB2B\_hsm\_data.triggered.normal.hsmdl\_gpupp\_r37.xml

NEMB2B\_hsm\_inventory.all.hsmdh\_r37.xml

NEMB2B\_hsm\_inventory.normal.hsmdh\_gpupp\_r37.xml

NEMB2B\_hsm\_inventory.selective.hsmdh\_r37.xml

NEMB2B\_hsm\_monitors\_statusall\_request\_r37.xml

NEMB2B\_hsm\_monitors\_statusrequest\_nil\_r37.xml

NEMB2B\_hsm\_monitors\_statusrequest\_r37.xml

NEMB2B\_hsm\_rollcall.all.hsmdh\_hsm\_r37.xml

NEMB2B\_hsm\_rollcall.normal.hsmdh\_gpupp\_r37.xml

NEMB2B\_hsm\_rollcall.selective.hsmdh\_hsm\_r37.xml

NEMB2B\_hsm\_triggers.all.hsmdm\_hsm\_r37.xml

NEMB2B\_hsm\_triggers.normal.hsmdm\_gpupp\_r37.xml

NEMB2B\_hsm\_triggers.selective.hsmdm\_hsm\_r37.xml

NEMB2B\_MeterDataMissingNotification\_r37.xml

NEMB2B\_MeterDataNotificationConsumption\_r37.xml

NEMB2B\_MeterDataNotification\_Consumption\_r37.xml

NEMB2B\_MeterDataNotification\_Interval\_r37.xml

NEMB2B\_MeterDataVerifyRequest\_basic\_HighReading\_r37.xml

NEMB2B\_MeterDataVerifyRequest\_Interval\_NMIConfig\_r37.xml

NEMB2B\_MeterFaultAndIssueNotification\_r37.xml

NEMB2B\_NoticeOfMeteringWorks\_r37.xml

NEMB2B\_NotifiedParty\_Ack\_r37.xml

NEMB2B\_NotifiedParty\_Rejection\_r37.xml

NEMB2B\_NotifiedParty\_Txn\_r37.xml

NEMB2B\_PlannedInterruptionNotification\_r37.xml

NEMB2B\_PTPDataExchange\_r37.xml

NEMB2B\_RemoteServiceRequest\_r37.xml

NEMB2B\_RemoteServiceResponse\_nonasexmlpayload\_r37.xml

NEMB2B\_RemoteServiceResponse\_r37.xml

NEMB2B\_ServiceOrderAppointmentNotification\_r37.xml

NEMB2B\_ServiceOrderRequest.Adds\_n\_Alts\_r37.xml

NEMB2B\_ServiceOrderRequest.Alloc\_NMI\_r37.xml

NEMB2B\_ServiceOrderRequest.DeEnergise\_r37.xml

NEMB2B\_ServiceOrderRequest.DeEnergise\_Simple\_r37.xml

NEMB2B\_ServiceOrderRequest.MeterInvestigation\_r37.xml

NEMB2B\_ServiceOrderRequest.MeterReconfig\_r37.xml

NEMB2B\_ServiceOrderRequest.Miscellaneous\_r37.xml

NEMB2B\_ServiceOrderRequest.ReEnergise\_r37.xml

NEMB2B\_ServiceOrderRequest.ReEnergise\_Simple\_r37.xml

NEMB2B\_ServiceOrderRequest.SpecialRead\_r37.xml

NEMB2B\_ServiceOrderRequest.SupplyAbolishment\_r37.xml

NEMB2B\_ServiceOrderRequestNewConnection\_r37.xml

NEMB2B\_ServiceOrderRequestNewConnection\_Simple\_r37.xml

NEMB2B\_ServiceOrderRequest\_Cancel\_r37.xml

NEMB2B\_ServiceOrderRequest\_Re-energisation\_sc1\_cancel\_r37.xml

NEMB2B\_ServiceOrderRequest\_Re-energisation\_sc1\_r37.xml

NEMB2B\_ServiceOrderResponse\_C\_r37.xml

NEMB2B\_ServiceOrderResponse\_N\_r37.xml

NEMB2B\_ServiceOrderResponse\_O\_r37.xml

NEMB2B\_ServiceOrderResponse\_Re-energisation\_sc1\_cancel\_r37.xml

NEMB2B\_ServiceOrderResponse\_Simple\_C\_r37.xml

NEMB2B\_SiteAccessDetails\_r37.xml

NEMB2B\_SiteAccessRequest\_r37.xml

NEMB2B\_SiteAddressDetails\_r37.xml

NEMB2B\_TransAck\_Rejection\_r37.xml

NEMMSATS\_C1\_METER\_REGISTER\_r37.xml

NEMMSATS\_catsm\_energyapbatch\_2501\_CustClass\_r37.xml

NEMMSATS\_catsm\_energyap\_5054\_CustClass\_r37.xml

NEMMSATS\_catsm\_generic\_C3\_request\_r37.xml

NEMMSATS\_catsm\_generic\_C4\_request\_r37.xml

NEMMSATS\_catsm\_generic\_noParameters\_response\_r37.xml

NEMMSATS\_catsm\_generic\_test\_response\_r37.xml

NEMMSATS\_catsm\_NMIStandingDataResponse\_r37.xml

NEMMSATS\_catsm\_poolnsw\_CR2501\_r37.xml

NEMMSATS\_catsm\_ReplicationNotificationAddress\_r37.xml

NEMMSATS\_catsm\_wbaympa\_C1\_NMI\_DATA\_CustClass\_r37.xml

NEMMSATS\_CATSNotification\_r37.xml

NEMMSATS\_CATSSDRTrafficLightReportResponse\_r37.xml

NEMMSATS\_CATSStandingDataQualityReportResponse\_r37.xml

NEMMSATS\_ChangeRequest2501\_r37.xml

NEMMSATS\_ChangeRequestAllFieldsMeterConfig\_r37.xml

NEMMSATS\_ChangeRequestAllFields\_r37.xml

NEMMSATS\_ChangeRequestMsgAck\_r37.xml

NEMMSATS\_ChangeRequestMsgTnsAck\_r37.xml

NEMMSATS\_ChangeRequestNotification\_seq03\_r37.xml

NEMMSATS\_ChangeRequestResponseBad\_seq02\_r37.xml

NEMMSATS\_ChangeRequestResponseGood\_seq002\_r37.xml

NEMMSATS\_ChangeRequestTnsAckErr\_r37.xml

NEMMSATS\_ChangeRequestTnsAck\_r37.xml

NEMMSATS\_ChangeRequest\_r37.xml

NEMMSATS\_ChangeRequest\_seq01\_r37.xml

NEMMSATS\_CustomerDetailsNotification\_MovementType\_r37.xml

NEMMSATS\_CustomerDetailsRequest\_RequestReason\_r37.xml

NEMMSATS\_DataRequestReplicationNotification\_r37.xml

NEMMSATS\_DataRequest\_r37.xml

NEMMSATS\_MDMReportRM11\_2\_r37.xml

NEMMSATS\_MDMReportRM11\_r37.xml

NEMMSATS\_MDMReportRM16\_2\_r37.xml

NEMMSATS\_MDMReportRM16\_r37.xml

NEMMSATS\_MDMReportRM20\_r37.xml

NEMMSATS\_MDMReportRM21\_r37.xml

NEMMSATS\_MDMReportRM26\_r37.xml

NEMMSATS\_MDMTMeterDataDeliveryReportResponse\_r37.xml

NEMMSATS\_MeterDataNotificationConsumptionMulti\_r37.xml

NEMMSATS\_MeterDataNotificationConsumption\_r37.xml

NEMMSATS\_MeterDataNotificationInterval\_r37.xml

NEMMSATS\_MeterDataNotificationProfile\_r37.xml

NEMMSATS\_MeterDataResponseConsumption\_r37.xml

NEMMSATS\_MsatsLimits\_r37.xml

NEMMSATS\_MsatsLimits\_ReportRequest\_r37.xml

NEMMSATS\_MsatsLimits\_ReportResponse\_group\_r37.xml

NEMMSATS\_MsatsLimits\_ReportResponse\_nogroup\_1\_r37.xml

NEMMSATS\_MsatsLimits\_ReportResponse\_nogroup\_r37.xml

NEMMSATS\_MsatsLimits\_ReportResponse\_r37.xml

NEMMSATS\_NMIDiscoveryRequestDPID\_r37.xml

NEMMSATS\_NMIDiscoveryRequestMeter\_2\_r37.xml

NEMMSATS\_NMIDiscoveryRequestMeter\_r37.xml

NEMMSATS\_NMIDiscoveryRequestType2\_r37.xml

NEMMSATS\_NMIDiscoveryRequestType3\_r37.xml

NEMMSATS\_NMIDiscoveryResponseErr\_r37.xml

NEMMSATS\_NMIDiscoveryResponse\_2\_r37.xml

NEMMSATS\_NMIDiscoveryResponse\_ITD\_r37.xml

NEMMSATS\_NMIDiscoveryResponse\_MCR\_TRM\_r37.xml

NEMMSATS\_NMIDiscoveryResponse\_NNS\_OTR\_SAB\_r37.xml

NEMMSATS\_NMIDiscoveryResponse\_r37.xml

NEMMSATS\_NMIDiscoveryResponse\_TRI\_r37.xml

NEMMSATS\_NMIStandingDataRequest\_r37.xml

NEMMSATS\_NMIStandingDataResponseMeterConfig\_r37.xml

NEMMSATS\_NMIStandingDataResponse\_2\_r37.xml

NEMMSATS\_NMIStandingDataResponse\_r37.xml

NEMMSATS\_ObjectionNotification\_seq06\_r37.xml

NEMMSATS\_Objection\_seq04\_r37.xml

NEMMSATS\_ParticipantSystemStatus\_ReportRequest\_01\_r37.xml

NEMMSATS\_ParticipantSystemStatus\_ReportResponse\_01\_r37.xml

NEMMSATS\_ParticipantSystemStatus\_ReportResponse\_02\_r37.xml

NEMMSATS\_ParticipantSystemStatus\_ReportResponse\_03\_r37.xml

NEMMSATS\_ReplicationNotificationAddress\_r37.xml

NEMMSATS\_ReplicationNotificationCATSChangeResponse\_r37.xml

NEMMSATS\_ReplicationNotificationCATSStreamlinedCRCodes\_2\_r37.xml

NEMMSATS\_ReplicationNotificationCATSStreamlinedCRCodes\_r37.xml

NEMMSATS\_ReplicationNotificationEmbeddedNetworkIdentifiers\_r37.xml

NEMMSATS\_ReplicationNotificationMeterConfig\_r37.xml

NEMMSATS\_ReplicationNotificationMeter\_r37.xml

NEMMSATS\_ReplicationNotificationNetworkTariffCodes\_r37.xml

NEMMSATS\_ReplicationNotificationNMIRanges\_r37.xml

NEMMSATS\_ReplicationNotificationStandingDataAccessRules\_r37.xml

NEMMSATS\_ReportRequestChangeManagement\_r37.xml

NEMMSATS\_ReportRequestMaster\_r37.xml

NEMMSATS\_ReportRequestMeterConfig\_r37.xml

NEMMSATS\_ReportRequestNewParticipantAccess\_r37.xml

NEMMSATS\_ReportRequestNMIAudit\_r37.xml

NEMMSATS\_ReportRequestNMIDiscovery\_r37.xml

NEMMSATS\_ReportResponseChangeManagement\_r37.xml

NEMMSATS\_ReportResponseNMIAudit\_r37.xml

NEMMSATS\_ReportResponseNMIMasterMeterConfig\_r37.xml

NEMMSATS\_ReportResponseStatistics\_r37.xml

NEMMSATS\_SnapshotReportMasterDataStreams\_r37.xml

NEMMSATS\_WithdrawChangeRequest\_seq09\_r37.xml

NEMMSATS\_WithdrawObjectionNotification\_seq08\_r37.xml

NEMMSATS\_WithdrawObjection\_seq07\_r37.xml

NEMMSATS\_WithdrawRequestNotification\_seq10\_r37.xml

NEMMSATS\_\_NMIStandingDataRequest\_r37.xml

NEMWholesale\_emmsh\_63bigbigbig\_r37.xml

NEMWholesale\_emmsh\_r37.xml

NEMWholesale\_MMSIntermittentAvailability\_01\_r37.xml

NEMWholesale\_MMSIntermittentAvailability\_02\_r37.xml

NEMWholesale\_MMSIntermittentAvailability\_03\_r37.xml

NEMWholesale\_MMSIntermittentAvailability\_big\_r37.xml

NEMWholesale\_MMSWindAvailabilityRequest\_TooBig\_r37.xml

NEMWholesale\_NOSAck\_r37.xml

NEMWholesale\_NOSAssessmentInsertStatusInfoResponse\_r37.xml

NEMWholesale\_NOSAssessmentInsMultiOutageInfoResponse\_r37.xml

NEMWholesale\_NOSAssessmentUpdateIndoubtInfoResponse\_r37.xml

NEMWholesale\_NOSAssessmentUpdateNoteInfoResponse\_r37.xml

NEMWholesale\_NOSAssessmentWithdrawInfoResponse\_r37.xml

NEMWholesale\_NOSBookingDeleteOutageFromRepeating\_r37.xml

NEMWholesale\_NOSBookingInfoRequest\_r37.xml

NEMWholesale\_NOSBookingInfoResponse7276\_r37.xml

NEMWholesale\_NOSBookingInfoResponse\_r37.xml

NEMWholesale\_NOSBookingOutageActutalUpdate\_r37.xml

NEMWholesale\_NOSBookingResponse\_r37.xml

NEMWholesale\_NOSBookingWithAttachment\_r37.xml

NEMWholesale\_NOSBooking\_r37.xml

NEMWholesale\_NOSEquipmentInfoRequest\_r37.xml

NEMWholesale\_NOSEquipmentInfoResponse\_r37.xml

NEMWholesale\_NOSEquipmentResponse\_r37.xml

NEMWholesale\_NOSEquipmentSubmitType\_r37.xml

NEMWholesale\_NOSNAck\_r37.xml

NEMWholesale\_NOSValidCertainty\_r37.xml

NEMWholesale\_NOSValidResubmit\_r37.xml

NEMWholesale\_NOSWithDrawBooking\_r37.xml

NEMWholesale\_outghtransgpd\_valid\_r37.xml

NEMWholesale\_outghtransgpd\_valid\_resubmit\_r37.xml

NSWGAS\_AccountCreationNotification\_JGN\_r37.xml

NSWGAS\_AccountCreationNotification\_Mandatoryr37.xml

NSWGAS\_AccountCreationNotification\_Multmeter\_Mandatoryr37.xml

NSWGAS\_AccountCreationNotification\_WWT\_r37.xml

NSWGAS\_AmendSiteAccessDetails\_JGN\_r37.xml

NSWGAS\_AmendSiteAccessDetails\_WWT\_r37.xml

NSWGAS\_CATSChangeRequest\_ErrorCorrection\_r37.xml

NSWGAS\_CATSChangeRequest\_MoveIn\_r37.xml

NSWGAS\_CATSChangeRequest\_r37.xml

NSWGAS\_CATSChangeRequest\_txn214\_r37.xml

NSWGAS\_CATSDataRequest\_2\_r37.xml

NSWGAS\_CATSDataRequest\_r37.xml

NSWGAS\_CATSNotification-COM\_r37.xml

NSWGAS\_CATSNotification-COM\_to\_DB\_error\_correction\_WWT\_r37.xml

NSWGAS\_CATSNotification-COM\_to\_DB\_WWT\_r37.xml

NSWGAS\_CATSNotification-PEN\_r37.xml

NSWGAS\_CATSNotification\_txn219\_r37.xml

NSWGAS\_CATSObjectionRequest\_-DB\_r37.xml

NSWGAS\_CATSObjectionRequest\_r37.xml

NSWGAS\_CustomerDetailsNotification\_r37.xml

NSWGAS\_ERFTTotalGasInjectedNotification\_r37.xml

NSWGAS\_ERFTTotalGasInjectedNotification\_WWT\_r37.xml

NSWGAS\_FieldWorkNotification\_r37.xml

NSWGAS\_IAIT\_ImbalanceTradeRequest\_r37.xml

NSWGAS\_IAIT\_ParticipantImbalanceAmountRequest\_r37.xml

NSWGAS\_LinepackAndUnaccountedForGasData\_r37.xml

NSWGAS\_LinepackAndUnaccountedForGasData\_WWT\_r37.xml

NSWGAS\_MarkeReport\_T2130HeatingValueDailyRpt\_r37.xml

NSWGAS\_MarketReport\_-\_BasicConsumptionRpt\_int874\_r37.xml

NSWGAS\_MarketReport\_-\_ChangeOfStandingData\_int803\_r37.xml

NSWGAS\_MarketReport\_-\_CustomerChurnRpt\_int886\_r37.xml

NSWGAS\_MarketReport\_-\_DailyNSLRpt\_int871\_r37.xml

NSWGAS\_MarketReport\_-\_EstimationResultsToNWORpt\_r37.xml

NSWGAS\_MarketReport\_-\_EstimationResultsToUserRpt\_int804\_r37.xml

NSWGAS\_MarketReport\_-\_MeterReadingToUserNonSTTMRpt\_int854a\_r37.xml

NSWGAS\_MarketReport\_-\_MeterReadingToUserRpt\_int854\_r37.xml

NSWGAS\_MarketReport\_-\_ReconciliationResultsRpt\_int802\_r37.xml

NSWGAS\_MarketReport\_-\_RevisedEstimationResultsToNWORpt\_r37.xml

NSWGAS\_MarketReport\_-\_RevisedEstimationResultsToUserRpt\_int805\_r37.xml

NSWGAS\_MarketReport\_-\_TotalGasInjectedRpt\_int811\_r37.xml

NSWGAS\_MarketReport\_ApportionmentPercentageRpt\_int809\_r37.xml

NSWGAS\_MarketReport\_DailyToUserRpt\_int812\_r37.xml

NSWGAS\_MarketReport\_DPRExtractRpt\_r37.xml

NSWGAS\_MarketReport\_EffectiveDegreeDayRpt\_int891\_r37.xml

NSWGAS\_MarketReport\_ERFTReconciliationResultsRpt\_r37.xml

NSWGAS\_MarketReport\_ExpiredImbalanceTradeRpt\_int817\_r37.xml

NSWGAS\_MarketReport\_MatchedImbalanceTradeRpt\_int816\_r37.xml

NSWGAS\_MarketReport\_MonthlyToUserRpt\_int814\_r37.xml

NSWGAS\_MarketReport\_ParticipantImbalanceAmountRpt\_int818\_r37.xml

NSWGAS\_MarketReport\_RevisedImbalanceRpt\_int815\_r37.xml

NSWGAS\_MarketReport\_T2270TotalCLPRpt\_int828\_r37.xml

NSWGAS\_MarketReport\_T2275TotalCLPRpt\_r37.xml

NSWGAS\_MarketReport\_T298NewStreetListingRpt\_r37.xml

NSWGAS\_MarketReport\_T299CompleteMIRNListingRpt\_r37.xml

NSWGAS\_MarketReport\_WeeklyToUserRpt\_int813\_r37.xml

NSWGAS\_MeterDataNotification\_r37.xml

NSWGAS\_MeterDataNotification\_to\_AEMO\_Basic\_meters\_r37.xml

NSWGAS\_MeterDataNotification\_to\_AEMO\_Interval\_meters\_r37.xml

NSWGAS\_MeterDataResponse\_r37.xml

NSWGAS\_MeterDataVerifyRequest\_JGN\_r37.xml

NSWGAS\_MeterDataVerifyRequest\_WWT\_r37.xml

NSWGAS\_MeterDataVerifyResponse\_JGN\_r37.xml

NSWGAS\_MeterDataVerifyResponse\_WWT\_r37.xml

NSWGAS\_MeterFix\_JGN\_r37.xml

NSWGAS\_MeterFix\_WWT\_r37.xml

NSWGAS\_MeterNotificationMIRNStatusUpdate\_r37.xml

NSWGAS\_MeterReadInputNotification\_(MMSD)\_r37.xml

NSWGAS\_MeterReadInputNotification\_r37.xml

NSWGAS\_NetworkDUoSBillingNotification\_TariffA\_r37.xml

NSWGAS\_NetworkDUoSBillingNotification\_TariffB\_r37.xml

NSWGAS\_NetworkDUoSBillingNotification\_TariffD\_WWT\_r37.xml

NSWGAS\_NetworkDUoSBillingNotification\_TariffV\_WWT\_r37.xml

NSWGAS\_NMIDiscoveryResponse\_JGN\_r37.xml

NSWGAS\_NMIDiscoveryResponse\_WWT\_r37.xml

NSWGAS\_NMIStandingDataRequest\_-\_JGN\_r37.xml

NSWGAS\_NMIStandingDataResponse\_JGN\_r37.xml

NSWGAS\_NMIStandingDataResponse\_WWT\_r37.xml

NSWGAS\_NMIStandingDataUpdateNotification\_SAGAS\_DCN\_BaseLoad\_r37.xml

NSWGAS\_ServiceOrderRequest\_MFX\_example\_-\_JGN\_r37.xml

NSWGAS\_ServiceOrderRequest\_MFX\_example\_-\_WWT\_r37.xml

NSWGAS\_ServiceOrderResponse\_completion\_WWT\_r37.xml

NSWGAS\_ServiceOrderResponse\_initial\_WWT\_r37.xml

NSWGAS\_ServiceOrderResponse\_NoAcess(special\_read)\_r37.xml

NSWGAS\_TransAck\_Accept\_r37.xml

SAWAGAS\_GasMeterNotification\_MeterFix\_SAGAS\_r37.xml

SAWAGAS\_GasMeterNotification\_MeterFix\_WAGAS\_r37.xml

SAWAGAS\_NMIStandingDataUpdateNotification\_SAGAS\_DCN\_BaseLoad\_r37.xml

SAWAGAS\_NMIStandingDataUpdateNotification\_SAGAS\_DCN\_HeatingRate\_r37.xml

SAWAGAS\_NMIStandingDataUpdateNotification\_SAGAS\_ECNET\_CU\_r37.xml

SAWAGAS\_NMIStandingDataUpdateNotification\_SAGAS\_TFR\_CU\_r37.xml

SAWAGAS\_NMIStandingDataUpdateNotification\_WAGAS\_DCN\_GasZone\_r37.xml

SAWAGAS\_NMIStandingDataUpdateNotification\_WAGAS\_DCN\_MeterType\_r37.xml

SAWAGAS\_NMIStandingDataUpdateNotification\_WAGAS\_DIS\_r37.xml

SAWAGAS\_NMIStandingDataUpdateNotification\_WAGAS\_ECNET\_CU\_r37.xml

SAWAGAS\_NMIStandingDataUpdateNotification\_WAGAS\_ECNET\_NO\_r37.xml

SAWAGAS\_NMIStandingDataUpdateNotification\_WAGAS\_NDP\_r37.xml

SAWAGAS\_NMIStandingDataUpdateNotification\_WAGAS\_PR\_r37.xml

SAWAGAS\_NMIStandingDataUpdateNotification\_WAGAS\_REC\_r37.xml

SAWAGAS\_NMIStandingDataUpdateNotification\_WAGAS\_SU\_CU\_r37.xml

SAWAGAS\_NMIStandingDataUpdateNotification\_WAGAS\_TFR\_CU\_r37.xml

SAWAGAS\_NMIStandingDataUpdateNotification\_WAGAS\_TFR\_NO\_r37.xml

VICGAS\_AccCreationNotification\_r37.xml

VICGAS\_AmendMeterRouteDetails(RouteChange)\_r37.xml

VICGAS\_AmendMeterRouteDetails(SiteAccess)\_r37.xml

VICGAS\_AmendMeterRouteDetails(SiteAddress)\_r37.xml

VICGAS\_CATSChangeAlertToNFRO\_r37.xml

VICGAS\_CATSChangeAlertToVENCorp\_r37.xml

VICGAS\_CATSChangeRequestAlternateRetro\_r37.xml

VICGAS\_CATSChangeRequestAlternate\_r37.xml

VICGAS\_CATSChangeRequestRetro\_r37.xml

VICGAS\_CATSChangeRequestStandingDataResponseRetro\_r37.xml

VICGAS\_CATSChangeRequestStandingDataResponse\_r37.xml

VICGAS\_CATSChangeRequest\_r37.xml

VICGAS\_CATSChangeResponse\_r37.xml

VICGAS\_CATSChangeWithdrawal\_r37.xml

VICGAS\_CATSDataRequest\_r37.xml

VICGAS\_CATSNoticeOfReadFailure\_r37.xml

VICGAS\_CATSNotificationCDB\_r37.xml

VICGAS\_CATSNotificationCFRO\_r37.xml

VICGAS\_CATSNotificationCompletedCDB\_r37.xml

VICGAS\_CATSNotificationPendingCFRO\_r37.xml

VICGAS\_CATSNotificationWithdrawalCDB\_r37.xml

VICGAS\_CATSNotificationWithdrawalCFRO\_r37.xml

VICGAS\_CATSNotification\_01\_r37.xml

VICGAS\_CATSNotification\_02\_r37.xml

VICGAS\_CATSObjectionNotification\_r37.xml

VICGAS\_CATSObjectionRequest\_r37.xml

VICGAS\_CATSObjectionResponse\_r37.xml

VICGAS\_CATSObjectionWithdrawal\_r37.xml

VICGAS\_CurrentRetailerConfirmationRequest\_r37.xml

VICGAS\_CurrentRetailerConfirmationResponse\_r37.xml

VICGAS\_FieldWorkNotification\_r37.xml

VICGAS\_GasInformationRequestData\_r37.xml

VICGAS\_GasRetrieveRequestData\_AMDQId\_r37.xml

VICGAS\_GasRetrieveRequestData\_AMDQNominationCGD\_r37.xml

VICGAS\_GasRetrieveRequestData\_AMDQSearch\_r37.xml

VICGAS\_GasRetrieveRequestData\_r37.xml

VICGAS\_GasRetrieveResponseData\_AMDQNominationCGD\_2\_r37.xml

VICGAS\_GasRetrieveResponseData\_InjectionNomination\_NOIHNS\_r37.xml

VICGAS\_GasRetrieveResponseData\_InjectionNomination\_r37.xml

VICGAS\_GasRetrieveResponseData\_r37.xml

VICGAS\_GasSearchRequestData\_r37.xml

VICGAS\_GasSearchResponseData\_AmdqNomination\_r37.xml

VICGAS\_GasSearchResponseData\_r37.xml

VICGAS\_GasSearchResponseData\_StandingWithdrawn\_r37.xml

VICGAS\_GasSubmitRequestData\_AgencyNominationConfirmation\_r37.xml

VICGAS\_GasSubmitRequestData\_AmdqNomination\_r37.xml

VICGAS\_GasSubmitRequestData\_IHN\_NOIHNS\_r37.xml

VICGAS\_GasSubmitRequestData\_IHN\_r37.xml

VICGAS\_GasSubmitRequestData\_r37.xml

VICGAS\_GasSubmitResponseData\_AmdqNomination\_2\_r37.xml

VICGAS\_GasSubmitResponseData\_r37.xml

VICGAS\_MeterDataHistoryRequest\_r37.xml

VICGAS\_MeterDataHistoryResponse\_r37.xml

VICGAS\_MeterDataMissingNotification\_r37.xml

VICGAS\_MeterDataNotification\_r37.xml

VICGAS\_MeterDataResponse\_r37.xml

VICGAS\_MeterDataVerifyRequest\_r37.xml

VICGAS\_MeterDataVerifyResponse\_r37.xml

VICGAS\_MeteredSupplyPointsCount\_r37.xml

VICGAS\_MeterNotificationMeterFix\_r37.xml

VICGAS\_MeterNotificationMIRNStatusUpdate\_r37.xml

VICGAS\_MeterReadInputNotification\_r37.xml

VICGAS\_NetworkDUoSBillingNotification\_DisputeRes\_r37.xml

VICGAS\_NetworkDUoSBillingNotification\_Dispute\_r37.xml

VICGAS\_NetworkDUoSBillingNotification\_PaymentAdvice\_r37.xml

VICGAS\_NetworkDUoSBillingNotification\_r37.xml

VICGAS\_NMIDiscoveryResponseGas\_r37.xml

VICGAS\_NMIStandingDataResponseGas\_r37.xml

VICGAS\_NMIStandingDataUpdateNotificationResponse\_r37.xml

VICGAS\_NMIStandingDataUpdateNotification\_r37.xml

VICGAS\_SearchResponse\_Data\_IHN\_NOIHN\_r37.xml

VICGAS\_SearchResponse\_Data\_IHN\_r37.xml

VICGAS\_ServiceOrderRequest(MeterFix)\_01\_r37.xml

VICGAS\_ServiceOrderRequest(MeterFix)\_02\_r37.xml

VICGAS\_ServiceOrderRequest(NewConnection)\_r37.xml

VICGAS\_ServiceOrderResponse(Completion)\_r37.xml

VICGAS\_ServiceOrderResponse(Initial)\_r37.xml

VICGAS\_ServiceOrderResponse(NoAccess)\_r37.xml

VICGAS\_ServiceOrderResponse(StandingData)\_r37.xml

VICGAS\_SpecialReadRequest\_r37.xml

VICGAS\_SpecialReadResponse(NoAccess)\_r37.xml

VICGAS\_SpecialReadResponse\_r37.xml

VICGAS\_SubmitResponseData\_IHN\_NOIHN\_r37.xml

VICGAS\_SubmitResponseData\_IHN\_r37.xml

VICGAS\_TransAck\_r37.xml

VICGAS\_TxnNAck\_r37.xml

Invalid files were also tested:

NEMMSATS\_ChangeRequest2501\_invalid\_r37.xml

NEMMSATS\_ChangeRequestAllFieldsMeterConfig\_invalid\_r37.xml

NEMMSATS\_NMIStandingDataResponseMeterConfig\_invalid\_r37.xml

### Test Process

1. Obtain a copy of the 5 existing regression test suite XML files
	1. nem\_samples\_r36.zip
	2. nem\_wholesale\_samples\_r36.zip
	3. nemb2b\_samples\_r36.zip
	4. sawa\_samples\_r36.zip
	5. vicgas\_samples\_r36.zip
2. Obtain a copy of the new R37 test suite XML files
3. Unzip all test XML files a folder
4. Replace “xmlns:ase="urn:aseXML:r36” with “xmlns:ase="urn:aseXML:r37”
5. Replace “xsi:schemaLocation="urn:aseXML:r36 <http://www.nemmco.com.au/aseXML/schemas/r37/aseXMLr36.xsd>” with “xsi:schemaLocation="urn:aseXML:r37 S:/aseXML\_r37.xsd”
6. Check every single test XML file individually to detect variances in the above xsi:schemaLocation approach, e.g. hardcoded “O:/<filename>” instances and other occurrences not picked up by the standard search/replace above need to be manually fixed. It would be good if a single search/replace could be used for this step, and the test XML files had consistent headers.
7. Run the test process using the 4 supported XML Toolkits.
8. Check output log for any successful parse results, as well as expected or unexpected errors.

### Test Results

All OK on all Test Platforms, see section 6.2.1

* All valid test files passed with no parse error.

### Character Classification

Pattern restriction is enforced by regular expressions in some places in aseXML schema. That makes knowing the precise set of classification of characters important. It is particularly important in the testing process. In some quick tests using simple Pattern class in JAVA – not fully fledged JAVA parsers – some differences vis-à-vis XML Spy were reported. These tests were performed to validate the data stored in database against aseXML type definitions. Some characters that were treated differently between JAVA Pattern class and XML Spy were $ + |. XML Spy accepted them as punctuation characters but JAVA Pattern class rejected. Note, these three characters are only a few examples of difference, not an exhaustive list. As explained below, further investigations revealed that XML Spy is correct as per the XML standard.

The XML standards depend upon Unicode specifications for the purpose of this classification. The complete list of classification of Unicode characters in various classes can be found at <http://www.unicode.org/>.

To download the classification for any particular version of classification, start from directory listing at <http://www.unicode.org/Public> and traverse down the tree of the concerned version to download the zip (usually named ucd.zip) which contains all the documents for that version. The zip for version 6.2.0 resides at <http://www.unicode.org/Public/6.2.0/ucd/>. The document in this zip, usually named UnicodeData.txt, contains entire classification of all Unicode characters, having a line per Unicode character, with semi-colon delimited fields in each line. Explanation of fields can be found in the documentation in the zip (UCD.html). To view this UnicodeData.txt document conveniently, start Excel and open the document. While opening the document Excel will ask for information about the file contents. In response specify the document to be semicolon delimited with each column of the document being text. The column C of the Excel spreadsheet specifies the character classification. Note, while opening the file in Excel if each column is not specified to be text then Excel may format some information incorrectly.

The classification of the extended ASCII characters for version 6.2.0 of Unicode is provided here in an Excel spreadsheet :

 

The classifications starting with L signify letters, starting with N signify digits, starting with P signify punctuations, starting with S signify symbols and those starting with C signify control characters. Note, the spread sheet does not contain all the fields (columns) from the UnicodeData.txt file.

# ASWG Endorsement

With a quorum established the ASWG voted to endorse schema r37, with the included aseXML Change Requests. The voting results are forwarded to AEMO for approval. When 75% of those ASWG members vote to endorse a schema it represents an ASWG recommendation for that schema. AEMO will not reject an ASWG recommendation without first consulting with the ASWG.

The results of the ASWG vote for the final schema to be released are as follows:

Date of Vote: 30/06/2017

| **Option** | **# Votes** | **% Vote** |
| --- | --- | --- |
| For | 3 | 100% |
| Against |  |  |
| Abstained |  |  |
| Total Members Present | 3 | 100% |

# AEMO Approval

The schema approval and approval date are identified below

|  |  |  |
| --- | --- | --- |
| **Status** | **Date** | **Authorised by** |
| **Approved** – The schema has been approved by AEMO and is formally released for use | 02/08/2017 | Anoop Nambiar |