

aseXML SCHEMA CHANGE REQUEST

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DRAFT/FINAL DRAFT

Version Release History

Version	Date	By	Changes
1.0	07/11/2013	Nandkumar Gaikwad	Change proposal for making version attribute of all transactions optional
1.1	07/11/2013	Nandkumar Gaikwad	Changed based on feedback from Andrew Screen

Glossary

Abbreviation	Description

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1 Change Proposal

This Change Proposal is to make the version attribute of all transactions optional with a default value. This has already been done for some transactions, now the plan is to do the same for all remaining transactions. The original type assigned to the version attribute will be retained.

During the process of identification of changes the following three variants of version attribute definition were found. They will be addressed as specified.

- In most places the attribute is defined as use=required without any default. In these cases it will be made optional with default value.
- In some places the attribute is defined as use=optional but no default value has been specified. The default value will be added in those cases.
- In some places the attribute has been assigned a default value but the use=optional/required is not specified. The attribute will be made use=optional in those cases.

1.1 Description of the proposed change

The proposed changes are listed in the following table.

Item#	Change Description	Change Type ¹
1	In cases where version attribute is defined as use=required without any default, change it to optional with a default value	Enhancement
2	In cases where version attribute is defined as use=optional but does not have a default value defined, include default value	Enhancement
3	In cases where version attribute has a default value but use=optional/required is not specified, change it to use=optional	Enhancement
4	Change URN and version for the schema	Enhancement
5	Add new simpleType for version r33	Enhancement

Table 1-1, Proposed Changes

1.1.1 First change description

As described in 1.1. above.

1.2 Reason for Change

Make the definition of version attribute of all transactions consistent.

1.3 Supplied Documents

Sample instance files.

1.3.1 Business process document

-NA-

¹ Change Type can be one of

- New
- Enhancement, or
- Bug Fix

1.3.2 Other

Not applicable.

1.4 Baseline Schema

The schema used as a basis for this proposal is aseXML_r32.xsd.

2 Approval Proposal

2.1 Proposed Change

2.1.1 Draft schema

The draft schema is provided.

2.1.2 Change log

The following changes have been implemented in this draft:

Chg #	Item #	Description of change	Filename
1	1	<p>In cases where version attribute is defined as use=optional but does not have a default value defined, include default value</p> <ul style="list-style-type: none"> The versioned types to be changed in each of the files are listed in an embedded spread sheet below Table 3-1. 	BulkDataTool_r15.xsd CATSReports_r33.xsd Common_r33.xsd CustomerDetails_r33.xsd Faults_r33.xsd Gas_r33.xsd MeterDataManagement_r33.xsd NetworkBilling_r33.xsd NMIDataAccess_r33.xsd NOSBooking_r33.xsd NOSEquipment_r33.xsd OneWayNotification_r33.xsd Reports_r33.xsd ServiceOrder_r33.xsd TableReplication_r33.xsd
1	2	<p>Add the default value to attribute version for following complex types (which are already defined to have the version attribute as optional but do not have a default value)</p> <ul style="list-style-type: none"> The versioned types to be changed in each of the files are listed in an embedded spread sheet below Table 3-1. 	CATSReports_r33.xsd CATSTableReplication_r33.xsd Electricity_r33.xsd MDMTReports_r33.xsd MeterDataManagement_r33.xsd NOSBooking_r33.xsd NetworkBilling_r33.xsd Reports_r33.xsd
1	3	<p>In following cases where version attribute has a default value but use=optional/required is not specified, change it to use=optional</p>	HighSpeedMonitoring_r33.xsd

		<ul style="list-style-type: none">The versioned types to be changed in each of the files are listed in an embedded spread sheet below Table 3-1.	
1	4	Change the xmlns URN and version number of the schema	aseXML_r33.xsd
1	5	Add simpleType r33	Events_r33.xsd

Table 2-1 Change Log

2.1.3 Schema change description

2.1.4 Impact Summary

This table identifies the files, transactions and versioned types that are potentially impacted as the result of these changes, where:

- Modified types - is a full list of types changed by this Change Request
- 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.
- 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 will be changed in some way as a result of this Change Request.

Modified type	Derived types	Versioned types affected	Transactions potentially affected	Schema files affected
		CATSBulkDataRequest CATSBulkDataResponse	CATSBulkDataRequest CATSBulkDataResponse	BulkDataTool_r15.xsd
		DateRangeReportParameters (The following are currently defined as optional without a default value, default value needs to be added) CATSSstandingDataQualityReportParameters MDMTMeterDataDeliveryReportParameters CATSSDRTrafficLightReportParameters	ReportRequest ReportResponse ReportRequest ReportResponse	CATSReports_r32.xsd

Modified type	Derived types	Versioned types affected	Transactions potentially affected	Schema files affected
		<p>(The following are currently defined to have version attribute as optional without a default value, default value needs to be added to the attribute)</p> <p>DistributionLossFactorCodeRow CATSNetworkTariffCodeRow CATSSStreamlinedCRCodeRow MSATSCodeValuesRow CATSChangeInitiationRuleRow CATSSStandingDataAccessRuleRow CATSTransactionFieldValidationRow ElectricityNMIMasterRow</p> <p>ElectricityNMIMeterRow ElectricityNMIMeterRegisterRow ElectricityNMIMasterRowBDT ElectricityNMIMeterRowBDT ElectricityNMIRoleRowBDT ElectricityNMIMeterRegisterRowBDT</p>	ReplicationNotification	CATSTableReplication_r31.xsd
		CurrentRetailerConfirmationRequest CurrentRetailerConfirmationResponse	CurrentRetailerConfirmationRequest CurrentRetailerConfirmationResponse	Common_r31.xsd
		SiteAccessDetails AmendMeterRouteDetails	CustomerDetailsRequest CustomerDetailsNotification AmendMeterRouteDetails	CustomerDetails_r32.xsd

Modified type	Derived types	Versioned types affected	Transactions potentially affected	Schema files affected
		(The following are currently defined to have version attribute as optional without a default value, default value needs to be added to the attribute) ElectricityServiceOrderType ServiceOrderRequestData ElectricityServiceOrderNotificationData ElectricityProvideMeterRequestData ElectricityVerifyMeterRequestData	ServiceOrderRequest ServiceOrderResponse MeterDataMissingNotification MeterDataVerifyRequest	Electricity_r31.xsd
		FaultInformationRequest FaultNotification FaultOutageAdvice	FaultInformationRequest FaultNotification FaultOutageAdvice	Faults_r15.xsd
		GasServiceOrderType GasServiceOrderNotificationData GasMeterVerifyRequestData GasMeterVerifyResponseData GasSingleHistoryRequestData GasMeterNotification MeteredSupplyPointsCountUpdate	ServiceOrderResponse MeterDataVerifyRequest MeterDataVerifyResponse MeterDataHistoryRequest GasMeterNotification MeteredSupplyPointsCountUpdate	Gas_r31.xsd

Modified type	Derived types	Versioned types affected	Transactions potentially affected	Schema files affected
		(The following are currently defined to have default value for version attribute but the attribute is not defined as optional) HSMMonitorDataRequest HSMMonitorDataResponse HSMDDataInventoryRequest HSMDDataInventoryResponse HSMTTriggersRequest HSMTTriggersResponse HSMMonitorsRequest HSMMonitorsResponse	HSMMonitorDataRequest HSMMonitorDataResponse HSMDDataInventoryRequest HSMDDataInventoryResponse HSMTTriggersRequest HSMTTriggersResponse HSMMonitorsRequest HSMMonitorsResponse	HighSpeedMonitoring_r26.xsd
		(The following are currently defined to have version attribute as optional without a default value, default value needs to be added to the attribute) MDMTMissingDataReportParameters MDMTSettlementCaseDateRangeReportParameters MDMTLevel2SettlementReconciliationReportParameters	ReportRequest ReportResponse	MDMTReports_r31.xsd

Modified type	Derived types	Versioned types affected	Transactions potentially affected	Schema files affected
		MeterDataVerifyRequest MeterDataVerifyResponse MeterDataHistoryRequest MeterDataHistoryResponse AccountCreationNotification MeterReadInputNotification MeterDataMissingNotification MeterDataNotification SettlementDataNotification MeterReadingReferenceDataRequest MeterReadingReferenceDataResponse	MeterDataVerifyRequest MeterDataVerifyResponse MeterDataHistoryRequest MeterDataHistoryResponse AccountCreationNotification MeterReadInputNotification MeterDataMissingNotification MeterDataNotification SettlementDataNotification MeterReadingReferenceDataRequest MeterReadingReferenceDataResponse	MeterDataManagement_r29.xsd
		NetworkDUoSBillingNotification NetworkInvoiceNotification DisputeNotification RemittanceNotification DisputeResponse CreditNotification (The following are currently defined to have version attribute as optional without a default value, default value needs to be added to the attribute) NUOS EventCharge GSL ExcludedService InterestCharge	NetworkDUoSBillingNotification NetworkInvoiceNotification DisputeNotification RemittanceNotification DisputeResponse CreditNotification TBA	NetworkBilling_r15.xsd

Modified type	Derived types	Versioned types affected	Transactions potentially affected	Schema files affected
		NMIDiscoveryRequest NMIDiscoveryResponse NMISstandingDataRequest NMISstandingDataResponse NMISstandingDataUpdateNotification	NMIDiscoveryRequest NMIDiscoveryResponse NMISstandingDataRequest NMISstandingDataResponse NMISstandingDataUpdateNotification	NMIDataAccess_r31.xsd
		NOSBookingResponse (The following are currently defined to have version attribute as optional without a default value, default value needs to be added to the attribute) NOSBookingInfoRequest	NOSBookingResponse NOSBookingInfoRequest	NOSBooking_r28.xsd
		NOSEquipmentSubmission NOSEquipmentInfoRequest NOSEquipmentResponse	NOSEquipmentSubmission NOSEquipmentInfoRequest NOSEquipmentResponse	NOSEquipment_r18.xsd
		OneWayNotification	OneWayNotification	OneWayNotification_r25.xsd
		ReportRequest ReportResponse (The following is currently defined to have version attribute as optional without a default value, default value needs to be added to the attribute) GenericReportParameters	ReportRequest ReportResponse	Reports_r22.xsd

Modified type	Derived types	Versioned types affected	Transactions potentially affected	Schema files affected
		ServiceOrderRequest ServiceOrderResponse FieldWorkNotification	ServiceOrderRequest SpecialReadRequest ServiceOrderResponse SpecialReadResponse	ServiceOrder_r17.xsd
		ReplicationRequest ReplicationNotification	ReplicationRequest ReplicationNotification	TableReplication_r15.xsd

Table 2-2, Impact Summary

The complete list of versioned types in r32, with their specifications and changes to be made in r33 is provided in the xls spread sheet attached below



Complete_Versioned
_Types_List.xlsx

2.1.5 Developer Test

2.1.5.1 Test Platforms

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

- MSXML 6
- Xerces 2.2.1 and Xerces 2.2.9
- XMLSpy 2010

2.1.5.2 Test Cases

ReplicationNotificationCATSStreamlinedCRCodes_r33.xml

NMIStandingDataResponse_r33.xml

NMIStandingDataRequest_r33.xml

NMIDiscoveryResponse_r33.xml

NMIDiscoveryRequestMeter_r33.xml

MeterDataNotificationConsumption_r33.xml

MDMReportRM16_r33.xml

MDMReportRM11_r33.xml

MDMReportRM11_r33_Invalid.xml

DisputeResponse_r33_vic_a.xml

DisputeResponse_r33_vic_a_Invalid.xml

DisputeNotification_r33_vic_a.xml

HSMMonitorData_Request_r33.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

Supplied samples have been tested using the following parsers:

- MSXML 6
- Xerces 2.2.1 and Xerces 2.2.9
- XMLSpy 2010

3.1.2 Test Cases

TBA

3.1.3 Test Results

<All OK... or note issues>

3.2 Conformance Report

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

Schema Filename	Impacted by Item #	Conformance Details
aseXML_r33.xsd		<Conforms... or note non-conformance>
BulkDataTool_r33.xsd		<Conforms... or note non-conformance>
CATSReports_r33.xsd		<Conforms... or note non-conformance>
CATSTableReplication_r33.xsd		<Conforms... or note non-conformance>
Common_r33.xsd		<Conforms... or note non-conformance>
CustomerDetails_r33.xsd		<Conforms... or note non-conformance>
Electricity_r33.xsd		<Conforms... or note non-conformance>
Events_r33.xsd		<Conforms... or note non-conformance>
Faults_r33.xsd		<Conforms... or note non-conformance>
Gas_r33.xsd		<Conforms... or note non-conformance>
HighSpeedMonitoring_r33.xsd		<Conforms... or note non-conformance>
MDMTReports_r33.xsd		<Conforms... or note non-conformance>
MeterDataManagement_r33.xsd		<Conforms... or note non-conformance>
NetworkBilling_r33.xsd		<Conforms... or note non-conformance>
NMIDataAccess_r33.xsd		<Conforms... or note non-conformance>
NOSBooking_r33.xsd		<Conforms... or note non-conformance>
NOSEquipment_r33.xsd		<Conforms... or note non-conformance>
OneWayNotification_r33.xsd		<Conforms... or note non-conformance>
Reports_r33.xsd		<Conforms... or note non-conformance>
ServiceOrder_r33.xsd		<Conforms... or note non-conformance>
TableReplication_r33.xsd		<Conforms... or note non-conformance>

Table 3-1, Change Proposal Conformance Details

4 Issue Register

This section describes any issues that have arisen and any modifications that are made to the original proposal during the Change Process

4.1 Status of Issues

Issue#	Item#	Description and Discussion	Status ²	Resolution
1				

Table 4-1, Issues list

² Either 'Open' or 'Closed'

5 Resolution

The ASWG votes for endorsement of the options identified in section 2, and the voting results are forwarded to AEMO for approval. When 75% of those ASWG members who voted endorse a specific option, this represents an ASWG Recommendation for that option. AEMO will not reject an ASWG Recommendation without first consulting with the ASWG.

5.1 ASWG Endorsement

Please refer to the Schema Release Notes r33.