Schema Release

AseXML Schema Working Group

Release r28

Draft Release Date: 30/06/2011

Final Release Date: 28/07/2011

<u>Document History</u>

Version	Date	Authors	Comments
0.1	30/06/2011	Suresh Pandy	Document Created • Added Section 5.3 to the template
0.9	1/7/11	Andrew Screen	• Updated with voting. • Added testing on XMLSpy 2010. • Added the tools paper
1.0	28/7/2011	Andrew Screen	Final approved version with further regression testing being performed

Contents

1. Introduction

Version r28 of the aseXML schema has been developed from r27.   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.

2. Change Requests

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

CR#	Description
43	This change proposal consists of three independent changes as listed below:
	1. To create a new MMSWindAvailabilityRequest transaction and associated complex types.
	2. To provide a new report request and response format to inform participants about the current status of their MSATS Limits.
	3. To accommodate new certainty levels agreed by TNSPs and accommodate NEMMCO to AEMO name change for an enumerated value of EnumResubmitReasonType

These Change Requests are available from the ASWG or the aseXML website (www.aseXML.com) for review by all impacted parties.

3. Impact Summary

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

o   Modified types - is a full list of types changed in this schema
o   Derived types – is a list of any types that are derived from a modified type, and are therefore also modified by default
o   Versioned types affected – is a list of all versioned types that will need to have the version attribute updated to use this schema
o   Transactions potentially affected – is a list of all transactions that contain a modified type, either directly or via a type sustitution
o   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
				Header_r28.xsd Transactions_r28.xsd ElectricityMMS_r28.xsd aseXML_r28.xsd Events_r28.xsd CATSReports_r28
EnumCertaintyType	BookingType	NOSInfoResponse NOSBookingSubmission	NOSInfoResponse NOSBookingSubmission	NOSCommon_r28.xsd NOSBooking_r28.xsd NOSAssessment_r28.xsd
EnumResubmitReasonType	BookingType NOSOutageType Outages	NOSInfoResponse NOSBookingSubmission	NOSInfoResponse NOSBookingSubmission	NOSCommon_r28.xsd NOSBooking_r28.xsd NOSAssessment_r28.xsd

4. File Change Summary

The following file changes are implemented to create the r28 schema version*

4.1. aseXML

- Updated schema namespace to urn:aseXML:r28.
- New include to refer to the file added.
- changed the version numbers of modified files.

4.2. CATSReports

- Added "CATSMsatsLimitsReportParameters" type.
- Added "CATSMsatsLimitsReportFormat" type.

4.3. Events

- Add new type r28 for new schema version.

4.4. ElectricityMMS

- New file ElectricityMMS_r28.xsd added.
- Contains new transaction and specific complex types.

4.5. Header

- Added EMMS as a new transaction group.
- Changed documentation.

4.6. Transactions

- Added MMSWindAvailabilityRequest to the list of Transactions.

4.7. NOSAssessment

- Changed the version attribute to r28 for impacted versioned type NOSInfoResponse.
- Made the version attribute optional with default r28.

4.8. NOSBooking

- Changed the version attribute to r28 for impacted versioned type NOSBookingSubmission.
- Made the version attribute optional with default r28.

4.9. NOSCommon

- In EnumResubmitReasonType change enum value "NEMMCO Request" to "AEMO Request".
- In EnumCertaintyType, remove enum values "Outage scheduled", "System security assessed" and "Outage confirmed" and introduce "Scheduled", "Resourced" and "Confirmed".
- File renamed from NOSCommon_r18.xsd to NOSCommon_r28.xsd.

4.10. 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 names	Added	Removed	Modified
Acknowledgements_r15.xsd			
aseXML_r28.xsd			Yes
BAR_r15.xsd			
BulkDataTool_r15.xsd			
CATSReports_r28.xsd			Yes
CATSTableReplication_r25.xsd			
ClientInformation_r15.xsd			
Common_r25.xsd			
CustomerDetails_r19.xsd			
CustomerTransfer_r20.xsd			
Electricity_r25.xsd			
ElectricityHighSpeedMonitoring_r26.xsd			
ElectricityMMS_r28.xsd	Yes		
ElectricityMasterStandingData.xsd			
Enumerations.xsd			
Events_r28.xsd			Yes
Faults_r15.xsd			
Gas_r19.xsd			
GasMarketWholesale_r20.xsd			
Header_r28.xsd			Yes
HighSpeedMonitoring_r26.xsd			
MarketWholesale_r20.xsd			
MDMTReport_r15.xsd			
MeterDataManagement_r25.xsd			
NetworkBilling_r15.xsd			
NMIDataAccess_r17.xsd			
NOSAssessment_r28.xsd			Yes
NOSBooking_r28.xsd			Yes
NOSCommon_r28.xsd			Yes
NOSEquipment_r18.xsd			
OneWayNotification_r25.xsd			
Reports_r22.xsd			
ServiceOrder_r17.xsd			
TableReplication_r15.xsd			
Transactions_r28.xsd			Yes
No of files added	1		
No of files removed		0	
No of files modified			8
Total No of files			35

5. Schema Test

5.1. Test Platforms

The new schema has been tested using the following platforms:

- o XMLSpy 2010
- o MSXML4 SP1
- o MSXML6
- o Xerces 2.2.1
- o Xerces2.9.1

The ASWG has reviewed the Tools used for validating schema changes and has agreed on a minimum set.

aseXML Parsing Tools
Upgrade.docx

5.2. Test Cases

Item No	Test Case	Description
1	emmsh_63bigbigbig.xml	Contains many transactions
2	emmsh_63817bad.xml	Schema is valid but application is invalid
3	emmsh_6381723682176876.xml	Contains valid transaction
4	emmsh_63818_1.xml	Contains valid transaction without upper limit sub-element of MT Pasa
5	emmsh_63818_2.xml	Contains valid transaction without clusters sub-element of MT Pasa
6	MsatsLimits_ReportRequest.xml	Contains an example of a request for MSATS Limits
7	MsatsLimits_ReportResponse_group.xml	Contains an example of a response to a participant who is part of a group for Limits purpose.
8	MsatsLimits_ReportResponse_nogroup.xml	Contains an example of a response to a participant who is not part of a group for Limits purpose.
9	outghtransgpd_invalid_certainty.xml	Contains an example of an outage request with invalid certainty
10	outghtransgpd_invalid_resubmit_reason.xml	Contains an example of a resubmission with invalid resubmit reason
11	outghtransgpd_valid_certainty.xml	Contains an example of an outage with valid certainty
12	outghtransgpd_valid_resubmit_reason.xml	Contains an example of a resubmission with valid resubmit reason
13	List of all files tested: samples.txt Sample files: samples_r28.zip	Series of other files for regression testing

5.3. Test Results

Test Platform	Output Log File

MSXML 4 SP1	run_msxml_4.0_r28_v1_samples.log
MSXML 6	run_msxml_6.0_r28_samples.log
Xerces 2.2.1	run_valdoc_X221_r28.log
Xerces 2.9.1	run_valdoc_X291_r28.log
XMLSpy 2010	run_xmlspy2010_r28.log

6. ASWG Endorsement

The ASWG votes on endorsement of the schema with the included aseXML Change Requests and the voting results are forwarded to AEMO for approval. ASWG recommends a schema to AEMO only when a 75% endorsement is achieved as a result of member voting.

Voting require a Quorum of 50% which was achieved (including the chair person).

AEMO will not reject an ASWG Recommendation without formal consultation with the ASWG.

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

The decision is based upon some further regression testing of other sample files to minimise the risk of any unintended impacts to existing transactions that should not be impacted.

Date of Vote: 01/07/2011

Option	# Votes	% Vote
For	2	100
Against		
Abstained		
Total Members Present	3	100%

7. AEMO Approval

The schema approval and approval date are identified below:

Status	Date	Authorised by
Approved – The r28 schema has been		

approved by AEMO and is formally released for use.		