

# aseXML SCHEMA CHANGE REQUEST

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DRAFT/FINAL DRAFT

## Version Release History

Version	Date	By	Changes
1.0	21/12/2012	Eddie Graham	Change proposal for Participant System Status.
1.1	14/01/2013	Eddie Graham	Updated following ASWG review.

## Glossary

Abbreviation	Description

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## 1 Change Proposal

This Change Proposal is to provide a new report response format to provide feedback to participants about the current status of their processing by MSATS systems.

The report request can be made using an existing generic report request via the new Participant System Status web service. This report request has only one parameter 'ReportName'.

### 1.1 Description of the proposed change

The proposed changes are listed in the following table.

Item#	Change Description	Change Type <sup>1</sup>
1	Provide a new report response format to provide feedback to participants about the current status of their processing by MSATS systems.	Enhancement

Table 1-1, Proposed Changes

#### 1.1.1 First change description

Provide:

- A new report response format "CATSParticipantSystemStatusReportFormat" which contains the following elements:
  - 'System' which is mandatory and cannot be empty.
  - 'ModeType' which is mandatory and cannot be empty.
  - 'TransactionGroups' which is optional and cannot be empty.
  - 'Box' which is optional and cannot be empty.
  - 'Status' which is mandatory and cannot be empty.
  - 'Description' which is optional and cannot be empty.
  - 'Reason' which is optional and cannot be empty.
  - 'Resolution' which is optional and cannot be empty.
  - 'StartTime' which is mandatory and cannot be empty.
  - 'HeartbeatTime' which is mandatory and cannot be empty.

### 1.2 Reason for Change

Provide a new report response format to provide feedback to participants about the current status of their processing by MSATS systems.

### 1.3 Supplied Documents

None.

#### 1.3.1 Business process document

The proposed schema changes are to support a new MSATS Web Service which will be used to provide feedback to participants about the current status of their processing by MSATS systems.

#### 1.3.2 Other

Not applicable.

<sup>1</sup> Change Type can be one of

- New
- Enhancement, or
- Bug Fix

## 1.4 Baseline Schema

The schema used as a basis for this proposal is aseXML\_r31.xsd.

## 2 Approval Proposal

### 2.1 Proposed Change

#### 2.1.1 Draft schema

Draft schema created as aseXML\_r32.xsd.

#### 2.1.2 Change log

The following changes have been implemented in this draft:

Chg #	Item #	Description of change	Filename
1	1	Updated schema namespace to urn:aseXML:r32; File version changed from r31 to r32.	aseXML_r32
2	1	Updated Event schema to Events_r32 in the aseXML_r32.	aseXML_r32
3	1	Updated CATSReports schema to CATSReports_r32 in the aseXML_r32.	aseXML_r32
4	1	Added r32 release identifier in the Event schema; File version changed from r3 to r32.	Events_r32
5	1	Added "CATSParticipantSystemStatusReportFormat" types; File version changed from r30 to r32.	CATSReports_r32

Table 2-1 Change Log

#### 2.1.3 Schema change description

Add new "CATSParticipantSystemStatusReportFormat" to aseXML schema.

##### 2.1.3.1 aseXML\_r32.xsd

- Update schema namespace to "urn:aseXML:r32".
- Update Event schema to "Events\_r32.xsd".
- Update CATSReports schema to "CATSReports\_r32.xsd".

##### 2.1.3.2 Events\_r32.xsd

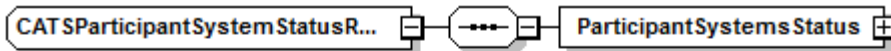
- Add r32 release identifier.
 

```

      <xsd:simpleType name="r32">
        <xsd:annotation>
          <xsd:documentation>Purpose - Release r32 identifier.</xsd:documentation>
        </xsd:annotation>
        <xsd:restriction base="ReleaseIdentifier">
          <xsd:enumeration value="r32"/>
        </xsd:restriction>
      </xsd:simpleType>
      
```

##### 2.1.3.3 CATSReports\_r32.xsd

- Add new complex type "CATSParticipantSystemStatusReportFormat" derived from "BaseReportFormat" with mandatory element "ParticipantSystemsStatus" of type "ParticipantSystemsStatus".

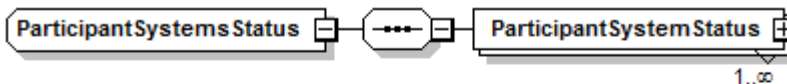


Purpose - Format for a CATS Participant System Status Report  
Report Name - ParticipantSystemStatus

Generated by XMLSpy

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- Add new complex type “ParticipantSystemsStatus” with mandatory element “ParticipantSystemStatus” of type “ParticipantSystemStatus” which can appear more than once.

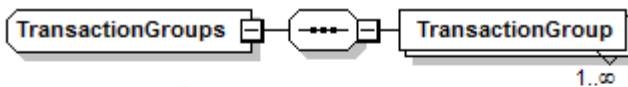


Purpose - container for Participant System Status

Generated by XMLSpy

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- Add new complex type “TransactionGroups” with mandatory element “TransactionGroup” of type “TransactionGroup” which can appear more than once.

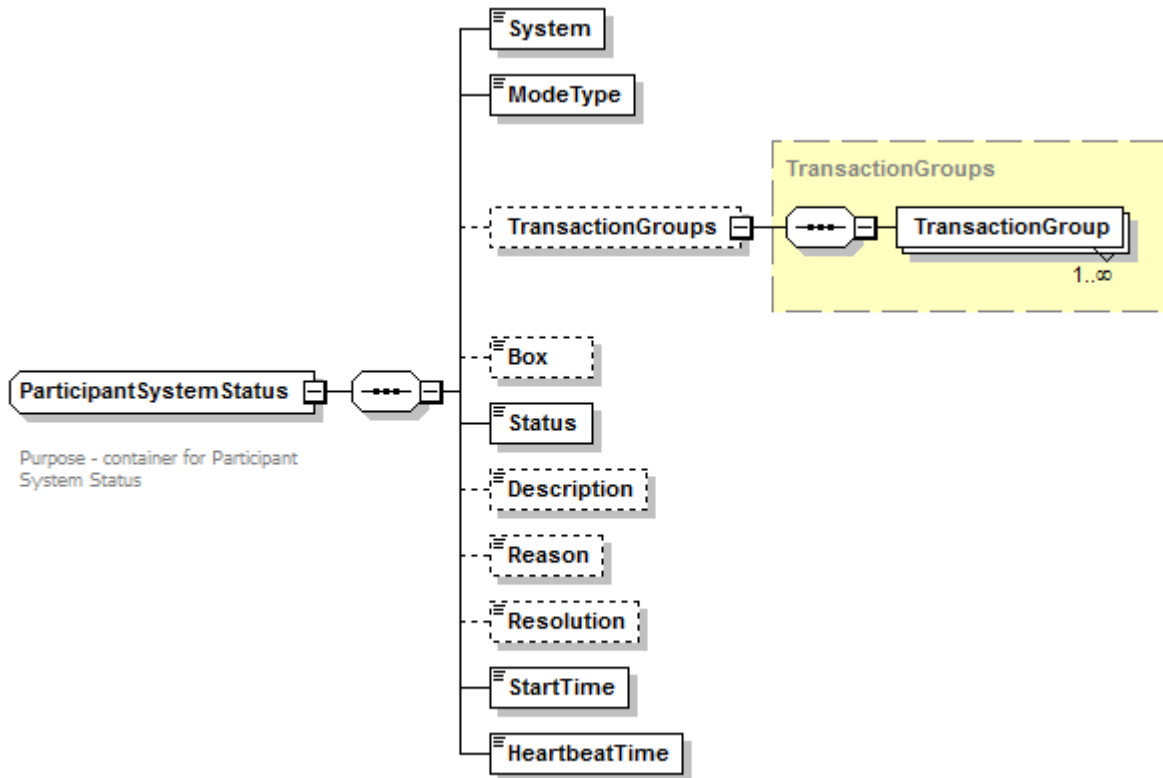


Purpose - container for transaction groups

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- Add new complex type “ParticipantSystemStatus” with
  - Mandatory element “System” of type “xsd:string” which can appear only once.
  - Mandatory element “ModeType” of type “xsd:string” which can appear only once.
  - Optional element “TransactionGroups” of type “TransactionGroups” which can appear only once.
  - Optional element “Box” of type “xsd:string” which can appear only once.
  - Mandatory element “Status” of type “xsd:string” which can appear only once.
  - Optional element “Description” of type “xsd:string” which can appear only once.
  - Optional element “Reason” of type “xsd:string” which can appear only once.
  - Optional element “Resolution” of type “xsd:string” which can appear only once.
  - Mandatory element “StartTime” of type “xsd:dateTime” which can appear only once.
  - Mandatory element “HeartbeatTime” of type “xsd:dateTime” which can appear only once.



Generated by XMLSpy

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## 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 that will need to have the version attribute updated as a result of this Change Request
- 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 types	Derived types	Versioned types affected	Transactions potentially affected	Schema files affected
			ReportResponse	aseXML_r32.xsd
				Events_r32.xsd
				CATSReports_r32.xsd

Table 2-2, Impact Summary



## 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 6.0 SP1
- Xerces 2.2.1
- Xerces 2.9.1
- XMLSpy 2012

### 2.1.5.2 Test Cases

- ParticipantSystemStatus\_ReportRequest\_01.xml
- ParticipantSystemStatus\_ReportResponse\_01.xml
- ParticipantSystemStatus\_ReportResponse\_02.xml
- ParticipantSystemStatus\_ReportResponse\_03.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 6.0 SP1
- Xerces 2.2.1
- Xerces 2.9.1
- XMLSpy 2012

#### 3.1.2 Test Cases

- ParticipantSystemStatus\_ReportRequest\_01.xml
- ParticipantSystemStatus\_ReportResponse\_01.xml
- ParticipantSystemStatus\_ReportResponse\_02.xml
- ParticipantSystemStatus\_ReportResponse\_03.xml

#### 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
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aseXML_r*.xsd	1,2	<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 <sup>2</sup>	Resolution
1				

Table 4-1, Issues list

## 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

The results of the ASWG vote are as follows:

Date of Vote: ??/??/????

Option	# Votes	% Vote
Option 1 (section 2.1)		
Option 2 (section 2.2)		
Option # (section 2.#)		
Abstained		
Total Members Present		

Table 5-1, ASWG Vote Results

<sup>2</sup> Either 'Open' or 'Closed'