
Schema Change Request

Document ID	29
Change Type	Bug fixes
Title	MSATS schema documentation and bug fix
Date	11 August 2006
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Priority	

Document Control

Version	Date	Author	Summary of Change
1.0	11 August 06	Nandkumar Gaikwad Nada Reinprecht	Approval proposal
2.0	21 August 06	Nada Reinprecht	Schema description included
3.0	6 Sept 06	Andrew Screen	Review
4.0	18 Sep 2006	Darren Field	Final version for release

Document Status

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1. Change Proposal

This Change Proposal contains the following:

- Request for MSATS schema bug fixes.

1.1. Description of the proposed change

The proposed changes are listed in the following table.

Table 1-1, Proposed Changes

Item#	Change Description	Change Type
Business Changes		
1.	Replace DataRangeReportParameters with DateRangeReportParameters	Bug Fix
2.	Update documentation for DateRangeReportParameters.; Instead of "Report Name – Security" should be "Report Name – C8"	Bug Fix
3.	Correct documentation for the following types: MSATSCodeValueType, MSATSCodeValue, MSATSCodeValueDescription and MSATSCodeValuesRow	Bug Fix
4.	Add documentation for the following elements in CATSNotification: JurisdictionCode, NMIClassificationCode and NMISStatus.	Bug Fix

1.2. Reason for Change

MSATS schema bug fixes.

1.3. Baseline Schema

The schema used as a basis for this proposal is aseXML_r19.

2. Approval Proposal

2.1. Draft Schema

Draft schema r20 is supplied with CR#29.

2.2. Change log

The following changes have been implemented in this draft:

Chg #	Item #	Description of change	Schema File
1	All	Namespace changed to r20	aseXML
2	All	Version number r20 included	Event
3	1	DataRangeReportParameters replaced with DateRangeReportParameters	CATSReports
4	1	DateRangeReportParameters version attribute updated to r20	CATSReports;
5	2	DateRangeReportParameters documentation changed	CATSReports;
6	3	Documentation for the following types in CATSTableReplication corrected: MSATSCodeValueType, MSATSCodeValue, MSATSCodeValueDescription, MSATSCodeValuesRow.	CATSTableReplication
7	4	The following elements of the CATSNotification transaction are documented: <ul style="list-style-type: none"> JurisdictionCode: "This is the what the jurisdiction code would be after after CR completes (if the jurisdiction code is being changed in the CR)" NMIClassificationCode: "This is the what the NMI Classification code would be after after CR completes (if the NMI Classification code is being changed in the CR)" NMIStatus: "Will be populated only in notifications of CRs which are for transfer of de-energised NMIs. This would be the current value of the NMI Classification code. It could be different than what the NMI Classification code would be after CR completes (if the NMI Classification code is also being changed in the CR - which currently is not allowed in transfer CRs)" 	CustomerTransfer

Table 2-1 Change Log

2.3. Schema change description

2.3.1 CATS Reports

```

<xsd:complexType name="DataRangeReportParameters">
  <xsd:annotation>
    <xsd:documentation> Purpose Parameters for a CATS Security Report
    Report Name Security </xsd:documentation>
  </xsd:annotation>
  <xsd:complexContent>
    <xsd:extension base="BaseReportParameters">
      <xsd:sequence>

```

```
<xsd:element name="FromDate" type="xsd:date"/>
<xsd:element name="ToDate" type="xsd:date"/>
</xsd:sequence>
<xsd:attribute name="version" type="r19"/>
</xsd:extension>
</xsd:complexContent>
</xsd:complexType>
- <xsd:complexType name="DateRangeReportParameters">
  - <xsd:annotation>
    - <xsd:documentation> Purpose - Parameters for a CATS Security Report
      Report Name - C8 </xsd:documentation>
    </xsd:annotation>
  - <xsd:complexContent>
    - <xsd:extension base="BaseReportParameters">
      - <xsd:sequence>
        <xsd:element name="FromDate" type="xsd:date"/>
        <xsd:element name="ToDate" type="xsd:date"/>
      </xsd:sequence>
      <xsd:attribute name="version" type="r20"/>
    </xsd:extension>
  </xsd:complexContent>
</xsd:complexType>
```

2.3.2 CATSTableReplication

```
<xsd:simpleType name="MSATSCodeValueType">
  - <xsd:annotation>
    - <xsd:documentation> MSATS Data Model Column - ObjRuleDesc
      MSATS Data Model Column - CodeType </xsd:documentation>
  </xsd:annotation>
</xsd:simpleType>
- <xsd:simpleType name="MSATSCodeValue">
  - <xsd:annotation>
    - <xsd:documentation> MSATS Data Model Column - ObjRuleDesc
      MSATS Data Model Column - CodeValue </xsd:documentation>
  </xsd:annotation>
</xsd:simpleType>
- <xsd:simpleType name="MSATSCodeValueDescription">
  - <xsd:annotation>
```

```
- <xsd:documentation> MSATS Data Model Column—ObjRuleDese  
MSATS Data Model Column - CodeValueDesc </xsd:documentation>  
</xsd:annotation>  
</xsd:simpleType>  
  
<xsd:complexType name="MSATSCodeValuesRow">  
  - <xsd:annotation>  
    - <xsd:documentation> Purpose—Row of the CATSChangeStatusCodes table  
MSATS Data Model Table—CATS_CR_Status_Codes Replication Table  
Name—CATSChangeStatusCodes Purpose - Row of the MSATSCodeValues  
table MSATS Data Model Table - MSATS_CODE_VALUES Replication  
Table Name - MSATSCodeValues </xsd:documentation>  
  </xsd:annotation>  
</xsd:complexType>
```

2.3.3 CustomerTransfer

```
<xsd:complexType name="CATSNotification">  
  - <xsd:sequence>  
    - <xsd:element name="Role" type="RoleIdentifier">  
    - <xsd:element type="JurisdictionCode" name="JurisdictionCode"  
      minOccurs="0">  
      - <xsd:annotation>  
        - <xsd:documentation> This is what the Jurisdiction code  
would be after CR completes (if the jurisdiction code is being  
changed in the CR)</xsd:documentation>  
      </xsd:annotation>  
    </xsd:element>  
    - <xsd:element type="NMIClassificationCode" minOccurs="0"  
      name="NMIClassificationCode">  
      - <xsd:annotation>  
        - <xsd:documentation> This is what the NMI Classification  
code would be after CR completes (if the NMI Classification  
code is being changed in the CR)</xsd:documentation>  
      </xsd:annotation>  
    </xsd:element>  
    - <xsd:element name="NMIStatus" type="NMIStatusCode" minOccurs="0">  
      - <xsd:annotation>
```

- <xsd:documentation> Will be populated only in notifications of CRs which are for transfer of de-energised NMIs. This would be the current value of the NMI Status code. It could be different than what the NMI Status code would be after CR completes (if the NMI Status code is also being changed in the CR - which currently is not allowed in transfer CRs)
</xsd:documentation>
</xsd:annotation>
</xsd:element>
</xsd:sequence>
</xsd:complexType>

2.4. Impact Summary

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

- o Modified types - is a full list of types changed by this Change Request
- 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 as a result of this Change Request
- o Transactions potentially affected – is a list of all transactions that contain a modified type, either directly or via a type substitution
- o 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
DataRangeReportParameters changed to DateRangeReportParameters		Changed to r20	Report Response	CATS_Reports.xsd

Table 2-2, Impact Summary

2.5. Developer Test

2.5.1 Test Platforms

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

- XMLSpy 2004
- MSXML4 SP1
- Xerces 1.4.4 and 2.2.1

2.5.2 Test Cases

<List any sample files provided>

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 4.0 SP1 - OK
- Xerces 1.4.1 - OK
- Xerces 2.2.1 (Can't get parser to work correctly, known problems)
- XMLSpy 2006 – OK

3.1.2 Test Cases

All xml sample docs have been validated using the above parsers.

3.1.3 Test Results

Sample files were created from the R19 MSATS samples. Apart from the update to schema versions the only change required was to the CATS security report to handle the correct xsi type for the changed type. Samples have been included with this report. All xml sample docs have been validated as indicated using the above parsers.

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_r20.xsd	1	Conforms
Event_r20.xsd	2	Conforms
CATSReports_r20.xsd	3,4,5	Conforms
CATSTableReplication_r20.xsd	6	Conforms
CustomerTransfer	7	Conforms

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#	Description and Discussion	Status	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 NEMMCO for approval. When 75% of those ASWG members who voted endorse a specific option, this represents an ASWG Recommendation for that option. NEMMCO will not reject an ASWG Recommendation without first consulting with the ASWG.

5.1. Draft Schema ASWG Vote

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

Date of Vote: 18/8/2006

Option	# Votes	% Vote
Option 1 (section 2.1)	6	85%
Abstained ¹	1	15%
Total Members Present	7	100%

Table 5-1, ASWG Vote Results for Draft Schema

5.2. Final Schema ASWG Vote

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

Date of Vote: 15/9/2006

Option	# Votes	% Vote
Option 1 (section 2.1)	5	83%
Abstained ²	1	17%
Total Members Present	6	100%

Table 5-2, ASWG Vote Results for Draft Schema

¹ Member abstained due to limited knowledge of aseXML at this point in time

² Member abstained due to limited knowledge of aseXML at this point in time.