



aseXML Schema Change Request

Document ID	36
Title	High Speed Monitoring (HSM) additions
Change Type	New transactions and supporting types
Date	14 February 2008
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Document Control

Version	Date	Author	Summary of Change
1.00	14/12/2008	Kay Rodrigues	First draft

Contents

Document Control.....	2
Contents.....	3
Tables.....	4
Figures.....	5
Glossary.....	6
1. Change Proposal.....	7
1.1. Description of the proposed change.....	7
1.1.1 First change description.....	7
1.2. Reason for Change.....	7
1.3. Supplied Documents.....	7
1.3.1 Business process document.....	7
1.3.2 Other.....	7
1.4. Baseline Schema.....	7
2. Approval Proposal.....	8
2.1. Proposed Change #1.....	8
2.1.1 Draft schema.....	8
2.1.2 Change log.....	8
2.1.3 Schema change description.....	8
2.1.4 Impact Summary.....	10
2.1.5 Developer Test.....	11
3. Proposal Assessment.....	12
3.1. Test.....	12
3.1.1 Test Platforms.....	12
3.1.2 Test Cases.....	12
3.1.3 Test Results.....	12
3.2. Conformance Report.....	12
4. Issue Register.....	13
4.1. Status of Issues.....	13
5. Resolution.....	14
5.1. ASWG Endorsement.....	14

Tables

Table 1-1, Proposed Changes	7
Table 2-1 Change Log	8
Table 3-1, Change Proposal Conformance Details	12
Table 4-1, Issues list	13
Table 5-1, ASWG Vote Results	14

Figures

Glossary

Abbreviation	Description
HSM	High Speed Monitoring

1. Change Proposal

This Change Proposal applies a small alteration to replace the use of the datatype “HSMComtradeTextFile”, with the common datatype: “NonZeroLengthString”.

1.1. Description of the proposed change

The proposed changes are listed in the following table.

Item#	Change Description	Change Type ¹
1	Remove HSMComtradeTextFile datatype definition from the ElectricityHighSpeedMonitoring_r21.xsd file. Where this was being used it has been substituted with the NonZeroLengthString data type defined in Common_r21.xsd	Mod

Table 1-1, Proposed Changes

1.1.1 First change description

1.2. Reason for Change

Problems were encountered with large HSM data files going through the Participant Batcher XML parser (xerces). The regular expression is designed to only permit content that is not empty and not containing only whitespace (ie there must be at least some real data in there). PB is running Java ver 1.4. Apparently there is a fix for this issue in version 1.6, however, we believe it would be best practise in the long run to try and utilise the more commonly used data types.

1.3. Supplied Documents

1.3.1 Business process document

All HSM documentation available on request.

1.3.2 Other

1.4. Baseline Schema

The schema used as a basis for this proposal is **aseXML_r22.xsd**.

¹ Change Type can be one of

- New
- Enhancement, or
- Bug Fix

2. Approval Proposal

2.1. Proposed Change #1²

2.1.1 Draft schema

Please refer to the schema files included with this proposal. The base schema is aseXML r22 and one file has been modified as detailed in the next section.

2.1.2 Change log

The following changes have been implemented in this draft:

Chg #	Item #	Description of change	Filename
1	1	Remove HSMComtradeTextFile datatype definition	ElectricityHighSpeedMonitoring
2	1	Change reference from HSMComtradeTextFile datatype to NonZeroLengthString	ElectricityHighSpeedMonitoring

Table 2-1 Change Log

2.1.3 Schema change description

Adding support for HSM transactions

2.1.3.1 *ElectricityHighSpeedMonitoring_r23.xsd*

Existing file modified to use NonZeroLentghString type in stead of HSMComtradeTextFile type

Text removed:

```
<xsd:simpleType name="HSMComtradeTextFile">
  <xsd:restriction base="xsd:string">
    <xsd:minLength value="1"/>
    <xsd:whiteSpace value="preserve"/>
    <xsd:pattern value="(.\s)*\S+(.\s)*"/>
  </xsd:restriction>
</xsd:simpleType>
```

.....

```
<xsd:element name="Configuration" type="HSMComtradeTextFile" nillable="true"/>
<xsd:element name="Data" type="HSMComtradeTextFile" nillable="true"/>
```

Text added:

```
<xsd:element name="Configuration" type="NonZeroLengthString" nillable="true"/>
<xsd:element name="Data" type="NonZeroLengthString" nillable="true"/>
```

² This section may be repeated if more than one option is considered

2.1.4 Impact Summary

This change only impacts HSM users of the B2B. Currently there is only one TNSP that has started the testing phase so there is no risk of affecting existing users.

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:

- XMLSpy 2007
- MSXML4 SP1
- Xerces 1.4.4 and 2.2.1

2.1.5.2 *Test Cases*

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
- Xerces 1.4.1
- Xerces 2.2.1
- XMLSpy 2004

3.1.2 Test Cases

as per section 2.1.5.2

3.1.3 Test Results

All sample file validate OK.

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
ElectricityHighSpeedMonitoring_r23.xsd	1	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#	Item#	Description and Discussion	Status ³	Resolution

Table 4-1, Issues list

³ 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 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. ASWG Endorsement

The results of the ASWG vote are as follows:

Date of Vote: 07/11/2008

Option	# Votes	% Vote
Option 1 (section 2.1)	6	85
Option 2 (section 2.2)	NA	NA
Option # (section 2.#)	NA	NA
Abstained	1	85
Total Members Present	6	85

Table 5-1, ASWG Vote Results