

Schema Release
AseXML Schema Working Group
Release r23

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INITIAL DRAFT

Document History

Version	Date	Authors	Comments
1.0	19 Mar 2008	Pius Kurian	Initial Draft
2.0	09 April 2008	Nada Reinprecht	Minor updates

INITIAL DRAFT

Contents

1. Introduction	4
2. Change Requests	4
3. Impact Summary	5
4. File Change Summary.....	6
4.1. aseXML	6
4.2. Events	6
4.3. ElectricityHighSpeedMonitoring.....	6
4.3.1 Simple types:.....	6
4.3.2 Complex types:	7
4.6. New Files:.....	8
4.7. Schema Manifest	8
5. Schema Test.....	10
5.1. Test Platforms	10
5.2. Test Cases.....	10
6. ASWG Endorsement.....	10
7. NEMMCO Approval.....	11
8. Disclaimer	11

INITIAL DRAFT

1. Introduction

Version r23 of the aseXML schema has been developed from r22. This schema release is presented to aseXML Subscribers and Industry Participants for review and to NEMMCO for approval, in accordance with the ASWG Terms of Reference.

This Change Proposal changes the definition for one complex data type and consequently removes a redundant simple data type for the High Speed Monitoring system.

2. Change Requests

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

CR#	Description
36	Modify data type HSMComtradeText Delete redundant data type HSMComtradeTextFile

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 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
HSMComtradeText HSMComtradeTextFile		ElectricityHSMMonitorDataResponseData ElectricityHSMTTriggeredDataNotificationData	HSMMonitorDataResponse HSMTTriggeredDataNotification	aseXML ElectricityHighSpeedMonitoring Events

4. File Change Summary

The following file changes are implemented to create the r23 schema version

4.1. aseXML

- Changed aseXML namespace to urn:aseXML:r23
- Updated file references for [Common](#), Events, [Header](#), [ElectricityHighSpeedMonitoring Transactions](#) to reflect file version r23

```
<?xml version="1.0" encoding="UTF-8"?>
  <xsd:schema xmlns="urn:aseXML:r23" xmlns:xsd=http://www.w3.org/2001/XMLSchema
    targetNamespace="urn:aseXML:r23">
    xsd:annotation>
    <xsd:documentation>
      Purpose - Top level aseXML schema
```

... unmodified text removed for brevity ...

[Please include changed reference to Events r23.](#)

```
<xsd:include schemaLocation="ElectricityHighSpeedMonitoring_r21.xsd">
<xsd:include schemaLocation="ElectricityHighSpeedMonitoring_r23.xsd">
  <xsd:annotation>
  <xsd:documentation>
    Purpose - Include Electricity market data types for HSM transactions
  </xsd:documentation>
</xsd:annotation>
</xsd:include>
```

4.2. Events

- R23 version type added

```
<xsd:simpleType name="r23">
  <xsd:annotation>
    <xsd:documentation>Purpose - Release r23 identifier</xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="ReleaseIdentifier">
    <xsd:enumeration value="r23"/>
  </xsd:restriction>
</xsd:simpleType>
```

4.3. ElectricityHighSpeedMonitoring

- Version of ElectricityHSMMonitorDataResponseData updated to r23
- Changed elements Configuration and Data within HSMComtradeText from type HSMComtradeTextFile to NonZeroLengthString.
- Deleted HSMComtradeTextFile data type

4.3.1 Simple types:

4.3.1.1 HSMComtradeTextFile deleted

```
<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>

```

4.3.2 Complex types:

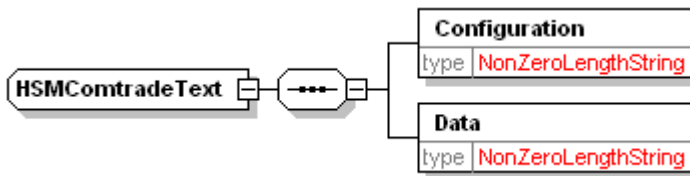
Added text in bold text. Deleted text is bolded with strike through.

4.3.2.1 HSMTextComtradeText

```

<xsd:complexType name="HSMComtradeText">
  <xsd:sequence>
<xsd:element name="Configuration" type="HSMComtradeTextFile" <xsd:element
    name="Configuration" type="NonZeroLengthString" nillable="true"/>
<xsd:element name="Data" type="HSMComtradeTextFile"
    <xsd:element name="Data" type="NonZeroLengthString"
      nillable="true"/>
  </xsd:sequence>
</xsd:complexType>

```

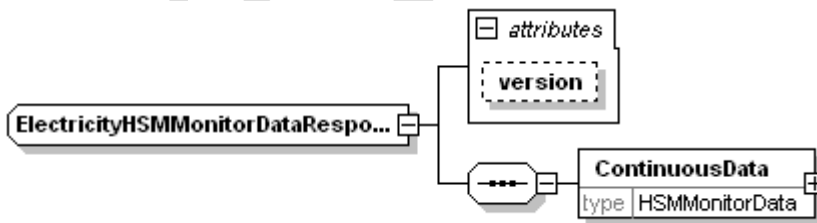


4.3.2.2 ElectricityHSMMonitorDataResponseData

```

<xsd:complexType name="ElectricityHSMMonitorDataResponseData">
  <xsd:complexContent>
    <xsd:extension base="HSMMonitorDataResponseData">
      <xsd:sequence>
        <xsd:element name="ContinuousData" type="HSMMonitorData"
          nillable="true"/>
      </xsd:sequence>
<xsd:attribute name="version" type="r21" default="r21"/>
<xsd:attribute name="version" type="r23" default="r23"/>
    </xsd:extension>
  </xsd:complexContent>
</xsd:complexType>

```

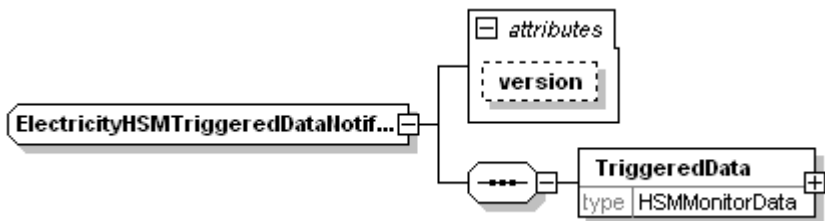


4.3.2.3 ElectricityHSMTriggeredDataNotificationData

```

<xsd:complexType name="ElectricityHSMTriggeredDataNotificationData">
  <xsd:complexContent>
    <xsd:extension base="HSMTriggeredDataNotificationData">
      <xsd:sequence>
        <xsd:element name="TriggeredData" type="HSMMonitorData"
          nillable="true"/>
      </xsd:sequence>
<xsd:attribute name="version" type="r21" default="r21"/>
<xsd:attribute name="version" type="r23" default="r23"/>
    </xsd:extension>
  </xsd:complexContent>
</xsd:complexType>

```



4.4.Header

- None

4.5.Transaction

- None

4.6.4.4. New Files:

- None

4.7.4.5. 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_r23.xsd			
BAR_r15.xsd			
BulkDataTool_r15.xsd			
CATSReports_r20.xsd			
CATSTableReplication_r20.xsd			
ClientInformation_r15.xsd			
Common_r21.xsd			
CustomerDetails_r19.xsd			
CustomerTransfer_r20.xsd			
Electricity_r19.xsd			
ElectricityHighSpeedMonitoring_r23.xsd			
Enumerations.xsd (ver 1.0)*			
Events_r23.xsd			
Faults_r15.xsd			
Gas_r19.xsd			
GasMarketWholesale_r20.xsd			
Header_r21.xsd			
HighSpeedMonitoring_r21.xsd			
MarketWholesale_r20.xsd			
MDMTRReport_r15.xsd			
MeterDataManagement_r19.xsd			
NetworkBilling_r15.xsd			
NMIDataAccess_r17.xsd			
NOSAssessment_r18.xsd			
NOSBooking_r18.xsd			
NOSCommon_r18.xsd			
NOSEquipment_r18.xsd			
Reports_r15.xsd			

File names	Added	Removed	Modified
ServiceOrder_r17.xsd			
TableReplication_r15.xsd			
Transactions_r21.xsd			
No of files added	0		
No of files removed		0	
No of files modified			3
Total No of files			32

INITIAL DRAFT

5. Schema Test

5.1. Test Platforms

The new schema has been tested using the following platforms:

- XMLSpy 2004
- MSXML4 SP1
- Xerces 1.4.4 and 2.2.1

5.2. Test Cases

Change has been tested using the supplied HSM sample files.

- HSMMonitorDataCompressed_Response.xml
- HSMMonitorData_Request.xml
- HSMMonitorData_Response.xml
- HSMMonitorData_Response_02.xml
- HSMMonitorData_Response_InvalidComtradeText_01.xml
- HSMMonitorData_Response_InvalidComtradeText_02.xml
- HSMMonitorData_Response_InvalidComtradeText_03.xml
- HSMMonitorData_Response_UnrecognisedMonitor.xml
- HSMMonitorDataCompressed_Response.xml
- HSMMonitors_CapabilityRequest_Nil.xml
- HSMMonitors_Response_UnrecognisedMonitor.xml
- HSMMonitors_StatusRequest_Nil.xml
- HSMMonitorsCapabilities_Request.xml
- HSMMonitorsCapabilities_Response.xml
- HSMMonitorsStatusAll_Request.xml
- HSMMonitorsStatus_Request.xml
- HSMMonitorsStatus_Response.xml
- HSMTTriggeredDataCompressed_Notification.xml
- HSMTTriggeredData_Notification.xml
- HSMTTriggeredDataCompressed_Notification.xml
- HSMTTriggeredDataCompressed_Notification_Nil.xml

6. ASWG Endorsement

The ASWG votes for endorsement of the schema, with the included aseXML Change Requests, and the voting results are forwarded to NEMMCO for approval. When 75% of those ASWG members who voted endorse a schema, this represents an ASWG Recommendation for that schema. NEMMCO will not reject an ASWG Recommendation without first consulting with the ASWG.

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

Date of Vote: 29/03/2008

Option	# Votes	% Vote
For	5	71.5
Against	0	0
Abstained	2	28.5
Total Members Present	5	71.5

*Note Chairperson doesn't vote unless it a split vote.

7. NEMMCO Approval

The schema approval and approval date are identified below

Status	Date	Authorised by
Approved – The schema has been approved by NEMMCO and is formally released for use		

8. Disclaimer

Independent Confirmation – ASWG strongly advises that all information or material contained in this file should be independently verified before use. The user may need to inform themselves of other relevant information or business processes.

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