# Schema Release

# AseXML Schema Working Group

# Release r24

**Draft Release Date: 7/11/2008**

**Final Release Date: 5/12/2008**

# Document History

| Version | Date | Authors | Comments |
|---------|------|---------|----------|
| 1.0 | 17 Nov 2008 | Andrew Screen | |
| | | | |

# Contents

# 1.  Introduction

Version r24 of the aseXML schema has been developed from r23.   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.

# 2.  Change Requests

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

| CR# | Description |
|-----|-------------|
| 37  | New transactions and supporting types to enable Triggered HSM data to be requested. |

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 |
|---|---|---|---|---|
| ElectricityHSMMonitorDataRequestData ElectricityHSMMonitorDataResponseData | None | ElectricityHSMMonitorDataRequestData ElectricityHSMMonitorDataResponseData | HSMMonitorDataRequest HSMMonitorDataResponse | aseXML Events ElectricityHighSpeedMonitoring |

# 4.  File Change Summary

The following file changes are implemented to create the r24 schema version

## 4.1.  aseXML

- Changed aseXML namespace to urn:aseXML:r24
- Updated file references for Events, ElectricityHighSpeedMonitoring to reflect file version r24

## 4.2.  Events

- R24 version type added

## 4.3.  ElectricityHighSpeedMonitoring

**Text added is given in bold:**

*… unmodified text removed for brevity …*

```
<xsd:complexType name="ElectricityHSMMonitorDataRequestData">
          <xsd:complexContent>
                    <xsd:extension base="HSMMonitorDataRequestData">
                              <xsd:sequence>
                                        <xsd:choice>
                                                  <xsd:element name="MonitorIdentity" type="HSMMonitorIdentity"/>
                                                  <xsd:element name="AllMonitors">
                                                            <xsd:simpleType>
                                                                      <xsd:restriction base="xsd:boolean">
                                                                                <xsd:pattern value="true"/>
                                                                      </xsd:restriction>
                                                            </xsd:simpleType>
                                                  </xsd:element>
                                        </xsd:choice>
                                        <xsd:element name="StartTime" type="xsd:dateTime"/>
                                        <xsd:element name="EndTime" type="xsd:dateTime"/>
                              </xsd:sequence>
                              <xsd:attribute name="dataCategory" use="optional" default="ContinuousData">
                                        <xsd:simpleType>
                                                  <xsd:restriction base="xsd:string">
                                                            <xsd:enumeration value="ContinuousData"/>
                                                            <xsd:enumeration value="TriggeredData"/>
                                                  </xsd:restriction>
                                        </xsd:simpleType>
                              </xsd:attribute>
                              <xsd:attribute name="version" type="r24" default="r24"/>
                    </xsd:extension>
          </xsd:complexContent>
</xsd:complexType>
<xsd:complexType name="ElectricityHSMMonitorDataResponseData">
          <xsd:complexContent>
                    <xsd:extension base="HSMMonitorDataResponseData">
                              <xsd:sequence>
                                        <xsd:choice>
                                                  <xsd:element name="ContinuousData" type="HSMMonitorData" nillable="true"/>
                                                  <xsd:element name="TriggeredData" type="HSMMonitorData"
nillable="true"/>
                                        </xsd:choice>
                              </xsd:sequence>
                              <xsd:attribute name="version" type="r24" default="r24"/>
                    </xsd:extension>
          </xsd:complexContent>
</xsd:complexType>
```
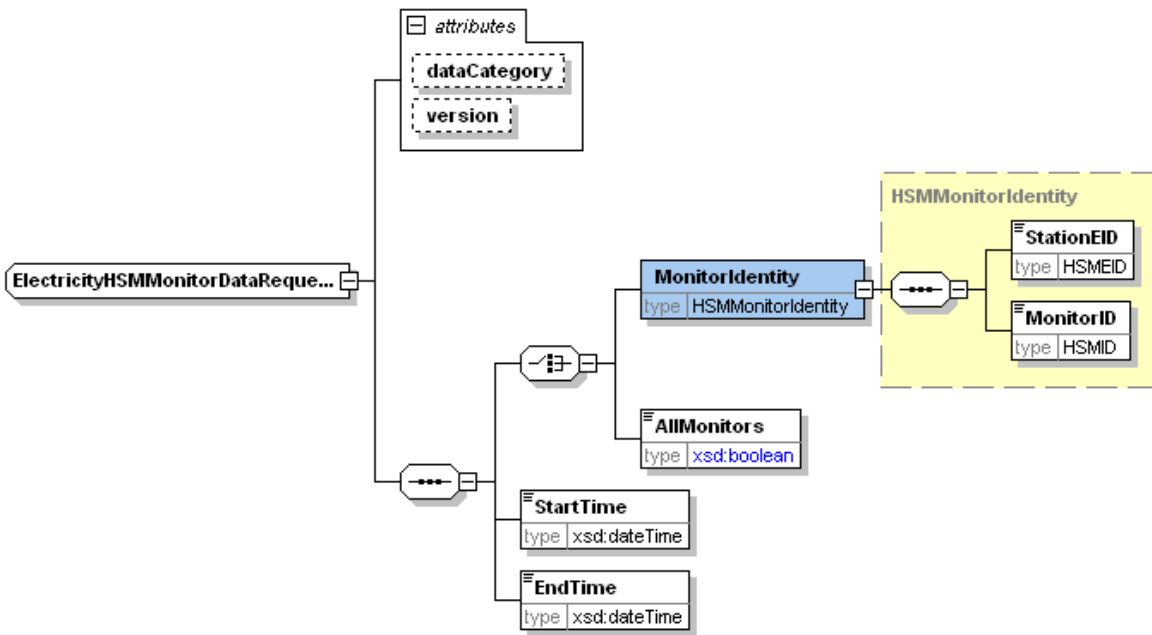
*… unmodified text removed for brevity …*

Figure 4-1 ElectricityHSMMonitorDataRequestData

This type is an extension of the abstract payload type **HSMMonitorDataResponseData**
The attribute **version** is of r24 and has a default value of "r24".

Has had All Monitors Added as a choice with Monitor Identity along with Data Category added as an optional attribute with a default of continuous to reflect the initial meaning of the transaction before the introduction of requesting triggered data as part of these changes
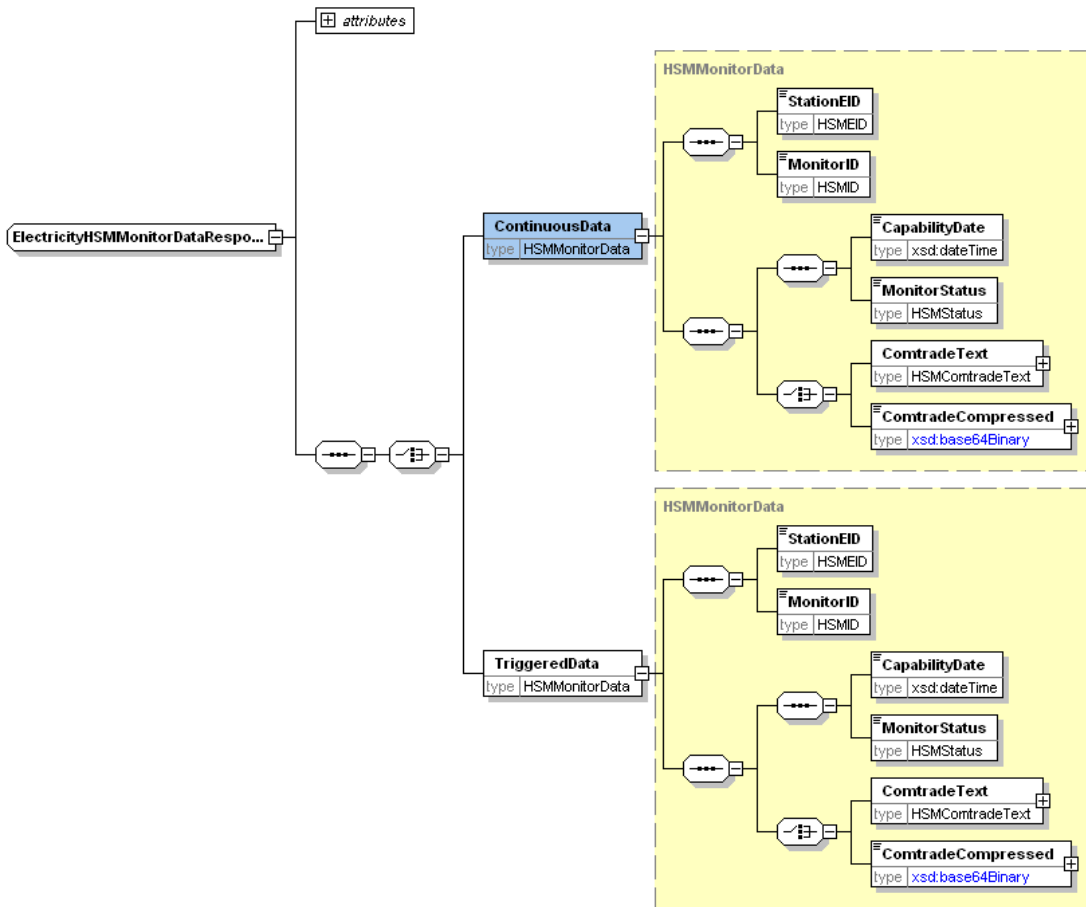
Figure 4-2 ElectricityHSMMonitorDataResponseData

This type is an extension of the abstract payload type **HSMMonitorDataResponseData**
The attribute **version** is of r24 and has a default value of "r24".

TriggeredData has been made a choice in the response.

1. 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_r24.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_r24.xsd | | | ███████ |
| Enumerations.xsd (ver 1.0)* | | | |
| Events_r24.xsd | | | ███████ |
| Faults_r15.xsd | | | |
| Gas_r19.xsd | | | |
| GasMarketWholesale_r20.xsd | | | |
| Header_r21.xsd | | | |
| HighSpeedMonitoring_r21.xsd | | | |
| MarketWholesale_r20.xsd | | | |
| MDMTReport_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 | | | |
| 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 |

# 5.  Schema Test

## 5.1.  Test Platforms

The new schema has been tested using the following platforms:

- o  XMLSpy 2004
- o  MSXML4 SP1

Note. Using this parsers the sample file HSMMonitorData_Response_InvalidComtradeText_03.xml passed validation. It failed to pick up the min length =1 check.  This though would have been present prior to this changes and so is only noted for informational purposes.

o   Xerces 1.4.4 and 2.2.1

## *5.2.  Test Cases*

Change has been tested using the supplied HSM sample files.
- o   HSMMonitorDataCompressed_Response.xml
- o   HSMMonitorData_Request.xml
- o   HSMMonitorData_Request_All_NMI_r24.xml
- o   HSMMonitorData_Request_Invalid_r24.xml
- o   HSMMonitorData_Request_Single_NMI_r24.xml
- o   HSMMonitorData_Request_Triggered_Data_r24.xml
- o   HSMMonitorData_Response.xml
- o   HSMMonitorData_Response_02.xml
- o   HSMMonitorData_Response_InvalidComtradeText_01.xml
- o   HSMMonitorData_Response_InvalidComtradeText_02.xml
- o   HSMMonitorData_Response_InvalidComtradeText_03.xml
- o   HSMMonitorData_Response_UnrecognisedMonitor.xml
- o   HSMMonitorsCapabilities_Request.xml
- o   HSMMonitorsCapabilities_Response.xml
- o   HSMMonitorsStatusAll_Request.xml
- o   HSMMonitorsStatus_Request.xml
- o   HSMMonitorsStatus_Response.xml
- o   HSMMonitors_CapabilityRequest_Nil.xml
- o   HSMMonitors_Response_UnrecognisedMonitor.xml
- o   HSMMonitors_StatusRequest_Nil.xml
- o   HSMMonitor_Triggered_Data_Response_r24.xml
- o   HSMTriggeredDataCompressed_Notification.xml
- o   HSMTriggeredDataCompressed_Notification_Nil.xml
- o   HSMTriggeredData_Notification.xml

Updated versions of older non related sample files have been tested as well to ensure no un-related changes have occurred.

# 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:  7/11/2008

| Option | # Votes | % Vote |
|---|---|---|
| For | 6 | 100 |
| Against | 0 | |
| Abstained | | |
| Total Members Present | 7* | |

*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 | | |