

# aseXML SCHEMA CHANGE REQUEST

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DRAFT/FINAL DRAFT

## Version Release History

Version	Date	By	Changes
1.0	18/10/2011	Nandkumar Gaikwad	Initial Creation

## Glossary

Abbreviation	Description
NEM	National Electricity Market

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## 1 Change Proposal

In MSATS database sequences are used to generate primary keys for some tables. Some of these are also used as identifiers for transactions and other data exchanged between MSATS and participants via aseXML schema. Over the years three of these sequence numbers have grown substantially and may exceed the maximum size defined for them in the database. This may happen in not too distant future. The simple types in aseXML which correspond to these three database sequences are

1. CATSRequestIdentifier
2. CATSObjectionIdentifier
3. MDMActivityIdentifier

To address this impending event, it is necessary to do the following beforehand

1. Increase the size of these in MSATS database
2. Make the size of the above simple types same as the new sizes of the sequences

Out of the two above changes, the first has already been done in MSATS and the increased sequence sizes are in place since the last MSATS release (46.77, May-2011).

Now it is proposed that the above simple types be changed to increase their size to same as that of the corresponding sequences. This aseXML Schema Change Request (CR47) is being put up to make the necessary schema change.

It may kindly be noted that though this is being proposed as part of r29 change it is not intended to upgrade the supported schema in MSATS from current r25 to r29 immediately. Specifically, there are no plans to move to higher schema r29 during release 46.78 (due Nov 2011) or 46.79 (due May 2012). The impending tick-over of the MSATS database sequences is expected to happen only after that. The purpose of introducing the change is to provide sufficient lead time and notice to the market of an event which is not controllable and which will force the entire market to upgrade the schema, without exception, and without recourse to any stop gap solution such as transforms from one version to another.

As and when necessary, in MSATS, the migration to higher version of schema from the current supported version of r25, for this change plus any other change, will happen as per usual process of sending Market Notices and Market Consultation.

The change needed to the three simple types is described below.

- (1) Simple Type CATSRequestIdentifier :- Increase the max value allowed from 10 digits to 15 digits.
- (2) Simple Type CATSObjectionIdentifier :- Increase the max value allowed from 10 digits to 15 digits.
- (3) Simple Type MDMActivityIdentifier :- Increase the max value allowed from 10 digits to 15 digits.

## 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	Modify Simple Types CATSRequestIdentifier CATSObjectionIdentifier MDMActivityIdentifier	Modify
2	Change the version attribute of the versioned types impacted by the above simple type changes.	Modify

Table 1-1, Proposed Changes

### 1.1.1 First change description

Increasing the maximum value allowed to for the three simple types from 10 digits to 15 digits.

## 1.2 Reason for Change

1. **First Change** :- The value of the elements defined by these simple types is derived in MSATS from database sequences. These sequences are going to exceed the max value restriction in not too distant future. Hence the change needs to be carried out before the restriction is exceeded.

## 1.3 Supplied Documents

### 1.3.1 Business process definition

**1.3.1.1 First Change** :- The changed types are use used to define identifier elements in a number of complex types which are versioned and are used in different transactions. They have been identified and listed in following sections.

### 1.3.2 Other

aseXML\_r29.zip

## 1.4 Baseline Schema

The schema used as a basis for this proposal **aseXML\_r28.zip**

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

- New
- Enhancement, or
- Bug Fix

## 2 Approval Proposal

### 2.1 Proposed Change #1<sup>2</sup>

#### 2.1.1 Draft schema

Please refer to the draft schema mentioned above attached to this change request. The base schema is aseXML\_r28 and the files as detailed in the next section have been changed.

#### 2.1.2 Change log

The following changes have been implemented in this draft:

Chg #	Item #	Description of change	Filename
1	1,2	R29 namespace declaration and included files (r29 suffixes) This change is same as that needed for CR46	aseXML_r29.xsd
		New simple type: r29 This change is same as that needed for CR46	Events_r29.xsd
		Change the max value from 9999999999 to 999999999999999 (form 10 digits to 15 digits) for simple type MDMActivityIdentifier  Change the version of attribute of complex type MeterDataResponse from type=r26, use=required to type=29, use=optional	MeterDataManagement_r29.xsd
		Change the max value from 9999999999 to 999999999999999 (form 10 digits to 15 digits) for simple types CATSRequestIdentifier and CATSObjectionIdentifier  For the following complex types change the version attribute to type=r29, and make use=optional if currently use=required <ol style="list-style-type: none"> <li>1. CATSChangeRequest</li> <li>2. CATSNotification</li> <li>3. CATSObjectionRequest</li> <li>4. CATSChangeResponse</li> <li>5. CATSChangeWithdrawal</li> <li>6. CATSObjectionWithdrawal</li> <li>7. CATSDataRequest</li> <li>8. CATSChangeAlert</li> <li>9. CATSObjectionNotificationData</li> <li>10. CATSObjectionResponse</li> <li>11. CATSObjectionWithdrawal</li> </ol>	CustomerTransfer_r29.xsd
		For the following complex types change the version attribute to type=r29, and make use=optional if currently use=required <ol style="list-style-type: none"> <li>1. ElectricityCATSChangeRequestNMIMasterRow</li> </ol>	CATSTableReplication_r29.xsd

<sup>2</sup> This section may be repeated if more than one option is considered

		<ol style="list-style-type: none"> <li>2. ElectricityCATSChangeRequestNMIDataStreamRow</li> <li>3. ElectricityCATSChangeRequestNMIMeterRow</li> <li>4. ElectricityCATSChangeRequestNMIMeterRegisterRow</li> <li>5. CATSChangeResponseRow</li> <li>6. CATSObjectionRow</li> <li>7. CATSObjectionResponseRow</li> <li>8. CATSObjectionRow</li> <li>9. CATSObjectionResponseRow</li> </ol>	

Table 2-1 Change Log

### 2.1.3 Schema change description

As detailed in section 1 above this CR is to change the following three simple types and the types impacted by them

- (1) Simple Type CATSRequestIdentifier :- Increase the max value allowed from 10 digits to 15 digits.
- (2) Simple Type CATSObjectionIdentifier :- Increase the max value allowed from 10 digits to 15 digits.
- (3) Simple Type MDMAActivityIdentifier :- Increase the max value allowed from 10 digits to 15 digits.

#### 2.1.3.1 Schema file aseXML\_r28.xsd

The changes are shown as mark up in red. Only relevant changed portions are shown.

```
<xsd:schema xmlns="urn:aseXML:r298" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
targetNamespace="urn:aseXML:r298" version="r298"
xsi:schemaLocation="urn:aseXML:r298 aseXML_r298.xsd">
```

.

.

```
<xsd:include schemaLocation="Events_r298.xsd">
```

.

.

```
<xsd:include schemaLocation="MeterDataManagement_r295.xsd">
```

.

.

```
<xsd:include schemaLocation="CustomerTransfer_r290.xsd">
```

.

.

```
<xsd:include schemaLocation="CATSTableReplication_r295.xsd">
```

### 2.1.3.2 Events\_r28.xsd

Following simple type is added for upgrading the version of the impacted version types by this schema change.

```
<xsd:simpleType name="r29">
  <xsd:annotation>
    <xsd:documentation>Purpose - Release r29 identifier. This release
adds CustomerClassificationCode and CustomerThresholdCode to GasMasterStandingData.
Plus it changes the simple types CATSRequestIdentifier, CATSObjectionIdentifier and
MDMActivityIdentifier </xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="ReleaseIdentifier">
    <xsd:enumeration value="r29"/>
  </xsd:restriction>
</xsd:simpleType>
```

### 2.1.3.3 Schema file MeterDataManagement\_r25.xsd

The changes are shown as mark up in red. Only relevant changed portions are shown.

```
<xsd:simpleType name="MDMActivityIdentifier">
  <xsd:annotation>
    <xsd:documentation>
      Purpose - Identify the submission of meter data via a MeterDataNotification transaction
      Detail - This identifier is assigned via MDM to each block of data provided via a
      MeterDataNotification transaction.
    </xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:nonNegativeInteger">
    <xsd:maxInclusive value="9999999999999999"/>
  </xsd:restriction>
</xsd:simpleType>
.
.
.
<xsd:complexType name="MeterDataResponse">
  <xsd:annotation>
    <xsd:documentation>
      Application - Meter Data Management
      TransactionExchange - Meter Data Delivery
      TransactionGroup - MDMT
      Priority - Low
      Purpose - Provide acknowledgment of the loading of meter data into MDM
    </xsd:documentation>
  </xsd:annotation>
</xsd:complexType>
```



*Detail - Any errors are reported via Event elements.*

```

    </xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="ActivityID" type="MDMActivityIdentifier"/>
    <xsd:element name="AcceptedCount"
type="xsd:nonNegativeInteger"/>
    <xsd:element name="LoadDate" type="xsd:dateTime"/>
    <xsd:element name="Event" type="Event" minOccurs="0"
maxOccurs="unbounded"/>
  </xsd:sequence>
  <xsd:attribute name="version" type="r296" use="optionalrequired"/>
</xsd:complexType>

```

#### 2.1.3.4 Schema file CustomerTransfer\_r20.xsd

The changes are shown as mark up in red.

```

  <xsd:simpleType name="CATSRequestIdentifier">
    <xsd:annotation>
      <xsd:documentation>
Purpose - Uniquely identify each change request
MSATS Data Model Column - RequestID
      </xsd:documentation>
    </xsd:annotation>
    <xsd:restriction base="xsd:positiveInteger">
      <xsd:maxInclusive value="9999999999999999"/>
    </xsd:restriction>
  </xsd:simpleType>
.
.

  <xsd:simpleType name="CATSObjectionIdentifier">
    <xsd:annotation>
      <xsd:documentation>
Purpose - Uniquely identify each objection
MSATS Data Model Column - ObjectionID
      </xsd:documentation>
    </xsd:annotation>
    <xsd:restriction base="xsd:positiveInteger">
      <xsd:maxInclusive value="9999999999999999"/>
    </xsd:restriction>
  </xsd:simpleType>

```

```

        </xsd:restriction>
    </xsd:simpleType>
    .
    .
    .

    <xsd:complexType name="CATSChangeRequest">
        <xsd:annotation>
            <xsd:documentation>
                Application - Customer Transfer
                TransactionExchange - CATS Change Request
                TransactionGroup - CATS
                Priority - Medium
                Purpose - Submit a change request
            </xsd:documentation>
        </xsd:annotation>
        <xsd:complexContent>
            <xsd:extension base="CATSChangeRequestData">
                <xsd:attribute name="version" type="r2919"
                use="optionalrequired"/>
            </xsd:extension>
        </xsd:complexContent>
    </xsd:complexType>
    <xsd:complexType name="CATSChangeResponse">
        <xsd:annotation>
            <xsd:documentation>
                Application - Customer Transfer
                TransactionExchange - CATS Change Request
                TransactionGroup - CATS
                Priority - Medium
                Purpose - Provide the results of submitting a change request
                Detail - The primary purpose of this response transaction is to provide the unique identifier
                allocated by the system to the request. At least one Event element must be present in the
                response to indicate the success or otherwise of the change request.
            </xsd:documentation>
        </xsd:annotation>
        <xsd:sequence>
            <xsd:element name="RequestID" type="CATSRequestIdentifier"/>
            <xsd:element name="Event" type="Event" maxOccurs="unbounded"/>
        </xsd:sequence>
    </xsd:complexType>

```

```
<xsd:attribute name="version" type="r294" use="optionalrequired"/>
</xsd:complexType>
<xsd:complexType name="CATSChangeWithdrawal">
  <xsd:annotation>
    <xsd:documentation>
      Application - Customer Transfer
      TransactionExchange - CATS Change Request Withdrawal
      TransactionGroup - CATS
      Priority - Medium
      Purpose - Withdraw a change request
    </xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="RequestID" type="CATSRequestIdentifier"/>
  </xsd:sequence>
  <xsd:attribute name="version" type="r294" use="optionalrequired"/>
</xsd:complexType>
<xsd:complexType name="CATSObjectionRequest">
  <xsd:annotation>
    <xsd:documentation>
      Application - Customer Transfer
      TransactionExchange - CATS Objection Request
      TransactionGroup - CATS
      Priority - Medium
      Purpose - Submit a objection request
    </xsd:documentation>
  </xsd:annotation>
  <xsd:complexContent>
    <xsd:extension base="CATSObjectionData">
      <xsd:attribute name="version" type="r294" use="
optionalrequired"/>
    </xsd:extension>
  </xsd:complexContent>
</xsd:complexType>
<xsd:complexType name="CATSObjectionResponse">
  <xsd:annotation>
    <xsd:documentation>
      Application - Customer Transfer
      TransactionExchange - CATS Objection Request
```

*TransactionGroup - CATS*

*Priority - Medium*

*Purpose - Provide the results of submitting an objection request*

*Detail - The primary purpose of this response transaction is to provide the unique identifier allocated by the system to the objection. At least one Event element must be present in the response to indicate the success or otherwise of the objection request.*

```

        </xsd:documentation>
    </xsd:annotation>
    <xsd:sequence>
        <xsd:element name="ObjectionID" type="CATSObjectionIdentifier"/>
        <xsd:element name="Event" type="Event" maxOccurs="unbounded"/>
    </xsd:sequence>
    <xsd:attribute name="version" type="r294" use="optionalrequired"/>
</xsd:complexType>
<xsd:complexType name="CATSObjectionWithdrawal">
    <xsd:annotation>
        <xsd:documentation>

```

*Application - Customer Transfer*

*TransactionExchange - CATS Objection Withdrawal*

*TransactionGroup - CATS*

*Priority - Medium*

*Purpose - Withdraw an objection request*

*Detail - Logically, all that is needed here is the objectionID much as all that is provided to withdraw a change request is the requestID. The remaining fields are purely for cross-validation that the correct objectionID has been provided, and exist purely because of the structure of the MSATS functional specification.*

```

        </xsd:documentation>
    </xsd:annotation>
    <xsd:sequence>
        <xsd:element name="ObjectionID" type="CATSObjectionIdentifier"/>
        <xsd:element name="InitiatingRequestID"
type="CATSRequestIdentifier"/>
        <xsd:element name="Role" type="RoleIdentifier"/>
        <xsd:element name="ObjectionCode" type="CATSObjectionCode"/>
    </xsd:sequence>
    <xsd:attribute name="version" type="r294" use="optionalrequired"/>
</xsd:complexType>
<xsd:complexType name="CATSNotification">
    <xsd:annotation>
        <xsd:documentation>

```

*Application - Customer Transfer*

*TransactionExchange - CATS Notification*

*TransactionGroup - CATS*

*Priority - Medium*

*Purpose - Provide details of an accepted change request or objection*

```

        </xsd:documentation>
    </xsd:annotation>
    <xsd:sequence>
        <xsd:element name="Role" type="RoleIdentifier"/>
        <xsd:element name="RoleStatus" type="CATSRoleStatus"/>
        <xsd:element name="ChangeRequest"
type="CATSChangeRequestNotificationData"/>
        <xsd:element name="Objection"
type="CATSObjectionNotificationData" minOccurs="0"/>
        <xsd:element name="JurisdictionCode" type="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 name="NMIClassificationCode"
type="NMIClassificationCode" minOccurs="0">
            <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 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)</xsd:documentation>
            </xsd:annotation>
        </xsd:element>
        <xsd:element name="ObjectionEndDate" type="xsd:date"
minOccurs="0"/>
    </xsd:sequence>

```

```
<xsd:attribute name="version" type="r2949" use="optionalrequired"/>
</xsd:complexType>
<xsd:complexType name="CATSDataRequest">
  <xsd:annotation>
    <xsd:documentation>
      Application - Customer Transfer
      TransactionExchange - CATS Data Request
      TransactionGroup - CATS
      Priority - Medium
      Purpose - Request the provision of a subset of the standing data for a NMI
    </xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="Role" type="RoleIdentifier"/>
    <xsd:element name="RoleStatus" type="CATSRoleStatus"/>
    <xsd:element name="InitiatingRequestID"
type="CATSRequestIdentifier"/>
    <xsd:element name="ActualChangeDate" type="xsd:date"
nillable="true" minOccurs="0"/>
    <xsd:element name="NMIStandingData" type="NMIStandingData"/>
  </xsd:sequence>
  <xsd:attribute name="version" type="r297" use="optionalrequired"/>
</xsd:complexType>
<xsd:complexType name="CATSChangeAlert">
  <xsd:sequence>
    <xsd:element name="InitiatingRequestID"
type="CATSRequestIdentifier"/>
    <xsd:element name="Role" type="RoleIdentifier"/>
    <xsd:element name="RoleStatus" type="CATSRoleStatus"/>
    <xsd:element name="Participant" type="PartyIdentifier"/>
    <xsd:element name="Event" type="Event" minOccurs="0"
maxOccurs="unbounded"/>
  </xsd:sequence>
  <xsd:attribute name="version" type="r299" use="optionalrequired"/>
</xsd:complexType>
```

### 2.1.3.5 Schema file CATSTableReplication\_r25.xsd

The changes are shown as mark up in red.

```
<xsd:complexType name="ElectricityCATSChangeRequestNMIMasterRow">
```

```
  <xsd:annotation>
```

```
    <xsd:documentation>
```

Purpose - Row of the Electricity CATS Change Request NMI Master Standing Data table

MSATS Data Model Table - CATS\_Inbound\_NMI\_Data

Replication Table Name - ElectricityCATSChangeRequestNMIMaster

```
  </xsd:documentation>
```

```
</xsd:annotation>
```

```
<xsd:complexContent>
```

```
  <xsd:extension base="ReplicationBaseRow">
```

```
    <xsd:sequence>
```

```
      <xsd:element name="RequestID" type="CATSRequestIdentifier"/>
```

```
      <xsd:group ref="ElectricityNMIMasterGroup"/>
```

```
    </xsd:sequence>
```

```
    <xsd:attribute name="version" type="r295" use="optional"/>
```

```
  </xsd:extension>
```

```
</xsd:complexContent>
```

```
</xsd:complexType>
```

```
<xsd:complexType name="ElectricityCATSChangeRequestNMIDataStreamRow">
```

```
  <xsd:annotation>
```

```
    <xsd:documentation>
```

Purpose - Row of the Electricity CATSChange Request NMI Data Stream table

MSATS Data Model Table - CATS\_Inbound\_Streams

Replication Table Name - ElectricityCATSChangeRequestNMIDataStreams

```
</xsd:documentation>
</xsd:annotation>
<xsd:complexContent>
  <xsd:extension base="ReplicationBaseRow">
    <xsd:sequence>
      <xsd:element name="RequestID" type="CATSRequestIdentifier"/>
      <xsd:group ref="ElectricityNMIDataStreamGroup"/>
    </xsd:sequence>
    <xsd:attribute name="version" type="r299" use="optional"/>
  </xsd:extension>
</xsd:complexContent>
</xsd:complexType>
<xsd:complexType name="ElectricityCATSChangeRequestNMIMeterRow">
  <xsd:annotation>
    <xsd:documentation>
```

Purpose - Row of the Electricity CATS Change Request NMI Meter Register table

MSATS Data Model Table - CATS\_Inbound\_Meter\_Register

Replication Table Name - ElectricityCATSChangeRequestNMIMeters

```
</xsd:documentation>
</xsd:annotation>
<xsd:complexContent>
  <xsd:extension base="ReplicationBaseRow">
```



```
<xsd:sequence>
  <xsd:element name="RequestID" type="CATSRequestIdentifier"/>
  <xsd:group ref="ElectricityNMIMeterGroup"/>
</xsd:sequence>
<xsd:attribute name="version" type="r2949" use=" optional "/>
</xsd:extension>
</xsd:complexContent>
</xsd:complexType>
.
.
.
.
<xsd:complexType name="ElectricityCATSChangeRequestNMIMeterRegisterRow">
  <xsd:annotation>
    <xsd:documentation>
      Purpose - Row of the Electricity CATS Change Request NMI Meter Register Configuration table
      MSATS Data Model Table - CATS_Inbound_REGISTER_IDENTIFIER
      Replication Table Name - ElectricityCATSChangeRequestNMIMeterRegisters
    </xsd:documentation>
  </xsd:annotation>
  <xsd:complexContent>
    <xsd:extension base="ReplicationBaseRow">
      <xsd:sequence>
        <xsd:element name="RequestID" type="CATSRequestIdentifier"/>

```

```
                <xsd:group ref="ElectricityNMIMeterRegisterGroup"/>
            </xsd:sequence>
            <xsd:attribute name="version" type="r299" use=" optional "/>
        </xsd:extension>
    </xsd:complexContent>
</xsd:complexType>
<xsd:complexType name="CATSChangeResponseRow">
    <xsd:annotation>
        <xsd:documentation>
Purpose - Row of the CATS Change Response table
MSATS Data Model Table - CATS_Outbound_Change_Requests
Replication Table Name - CATSChangeResponses
        </xsd:documentation>
    </xsd:annotation>
    <xsd:complexContent>
        <xsd:extension base="ReplicationBaseRow">
            <xsd:sequence>
                <xsd:element name="RequestID" type="CATSRequestIdentifier"/>
                <xsd:element name="NMI" type="NMIBase"/>
                <xsd:element name="Participant" type="PartyIdentifier"/>
                <xsd:element name="InitiatingTransactionID" type="TransactionIdentifier"/>
                <xsd:element name="TransactionID" type="TransactionIdentifier"/>
                <xsd:element name="Status" type="AcceptReject"/>
                <xsd:element name="TransactionTypeCode" type="CATSTransactionTypeCode" minOccurs="0"/>
            </xsd:sequence>
        </xsd:extension>
    </xsd:complexContent>
</xsd:complexType>

```

```
        </xsd:sequence>
        <xsd:attribute name="version" type="r299" use=" optional "/>
    </xsd:extension>
</xsd:complexContent>
</xsd:complexType>
.
.
.
.
<xsd:complexType name="CATSObjectionRow">
    <xsd:annotation>
        <xsd:documentation>
Purpose - Row of the CATS Objection table
MSATS Data Model Table - CATS_Inbound_Objections
Replication Table Name - CATSObjections
        </xsd:documentation>
    </xsd:annotation>
    <xsd:complexContent>
        <xsd:extension base="ReplicationBaseRow">
            <xsd:sequence>
                <xsd:element name="ObjectionID" type="CATSObjectionIdentifier"/>
                <xsd:element name="ObjectionCode" type="CATSObjectionCode"/>
                <xsd:element name="RequestID" type="CATSRequestIdentifier"/>
                <xsd:element name="Role" type="RoleIdentifier" minOccurs="0"/>
            </xsd:sequence>
        </xsd:extension>
    </xsd:complexContent>
</xsd:complexType>
```

```
<xsd:element name="Participant" type="PartyIdentifier"/>
<xsd:element name="TransactionID" type="TransactionIdentifier"/>
<xsd:element name="TransactionTypeCode" type="CATSTransactionTypeCode" minOccurs="0"/>
</xsd:sequence>
<xsd:attribute name="version" type="r299" use=" optional "/>
</xsd:extension>
</xsd:complexContent>
</xsd:complexType>
<xsd:complexType name="CATSObjectionResponseRow">
  <xsd:annotation>
    <xsd:documentation>
      Purpose - Row of the Electricity Objection Response table
      MSATS Data Model Table - CATS_Outbound_Objections
      Replication Table Name - ElectricityObjectionResponses
    </xsd:documentation>
  </xsd:annotation>
  <xsd:complexContent>
    <xsd:extension base="ReplicationBaseRow">
      <xsd:sequence>
        <xsd:element name="ObjectionID" type="CATSObjectionIdentifier"/>
        <xsd:element name="ObjectionCode" type="CATSObjectionCode"/>
        <xsd:element name="RequestID" type="CATSRequestIdentifier"/>
        <xsd:element name="Role" type="RoleIdentifier"/>
        <xsd:element name="Participant" type="PartyIdentifier"/>
      </xsd:sequence>
    </xsd:extension>
  </xsd:complexContent>
</xsd:complexType>
</xsd:annotation>
</xsd:documentation>
```

```

        <xsd:element name="InitiatingTransactionID" type="TransactionIdentifier"/>
        <xsd:element name="TransactionID" type="TransactionIdentifier"/>
        <xsd:element name="Status" type="AcceptReject"/>
        <xsd:element name="TransactionTypeCode" type="CATSTransactionTypeCode" minOccurs="0"/>
    </xsd:sequence>
    <xsd:attribute name="version" type="r299" use="optional"/>
</xsd:extension>
</xsd:complexContent>
</xsd:complexType>
    
```

### 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
				aseXML_r28.xsd

Modified types	Derived types	Versioned types affected	Transactions potentially affected	Schema files affected
				Events_r28.xsd
CATSRequestIdentifier	CATSNewParticipantAccessReportParameters CATSChangeRequestRow ElectricityCATSChangeRequestNMIRoleRow CATSNotificationRow CATSChangeRequestData CATSChangeRequestNotificationData CATSChangeRequestNotificationData CATSObjectionData CATSObjectionNotificationData	ElectricityCATSChangeRequestNMIMasterRow ElectricityCATSChangeRequestNMIDataStreamRow ElectricityCATSChangeRequestNMIMeterRow ElectricityCATSChangeRequestNMIMeterRegisterRow CATSChangeResponseRow CATSObjectionRow CATSObjectionResponseRow CATSChangeRequest CATSNotification CATSObjectionRequest CATSObjectionNotificationData CATSChangeResponse CATSChangeWithdrawal CATSObjectionWithdrawal CATSDataRequest CATSChangeAlert	ReportRequest ReportResponse CATSChangeRequest CATSChangeResponse CATSObjectionRequest CATSObjectionResponse CATSObjectionResponse CATSNotification CATSChangeWithdrawal CATSObjectionWithdrawal CATSDataRequest CATSChangeAlert	CATSTableReplication_r25.xsd CustomerTransfer_r20.xsd)
CATSObjectionIdentifier	CATSNotificationRow	CATSObjectionRow CATSObjectionResponseRow CATSObjectionNotificationData CATSObjectionResponse CATSObjectionWithdrawal	CATSObjectionResponse CATSObjectionWithdrawal CATSNotification	CATSTableReplication_r25.xsd CustomerTransfer_r20.xsd
MDMActivityIdentifier		MeterDataResponse	MeterDataResponse	MeterDataManagement_r25.xsd

## 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 2010
- MSXML4 SP1, MSXML 6
- Xerces 2.2.1 and 2.9.1
- 

### 2.1.5.2 Test Cases

The r29 changes for this CR (CR47) have been tested with the following sample files

CATSNotification\_r29.xml

DataRequest\_r29.xml

MeterDataResponseConsumption\_r29.xml

ReplicationNotificationCATSChangeResponse\_r29.xml

ReportRequestNewParticipantAccess\_r29.xml

ReportResponseChangeManagement\_r29.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:

- XMLSpy 2010 (XML Spy 2010 was used as XML Spy 2004 was unavailable)
- MSXML 4.0 SP1 (Schema was also validated using proposed MSXML 6.0)
- Xerces 2.2.1, (Schema was also validated using proposed Xerces 2.9.1)

#### 3.1.2 Test Cases

Samples have been tested as per section 2.1.5.2

#### 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
-----------------	--------------------	---------------------

aseXML_r29.xsd	1,2	<Conforms... or note non-conformance>
Events_r29.xsd	1,2	
MeterDataManagement_r29.xsd	1,2	
CATSTableReplication_r29.xsd	1,2	
CustomerTransfer_r29.xsd	1,2	

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>3</sup>	Resolution
1	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>3</sup> Either 'Open' or 'Closed'