

**Schema Release Notes**  
**AseXML Schema Working Group**  
**Release r18**

## Document History

<b>Version</b>	<b>Date</b>	<b>Authors</b>	<b>Comments</b>
1.0	28/11/2005	Darren Field	Initial draft
1.1	30/11/2005	Nada Reinprecht	Added schema differences

## Contents

Schema Release Notes.....	1
AseXML Schema Working Group .....	1
Release r18.....	1
Document History.....	2
Contents .....	3
1. Introduction .....	4
2. Change Requests .....	4
3. Schema Manifest .....	5
4. File Change Summary .....	6
4.1. Acknowledgements.....	6
4.2. aseXML .....	6
4.3. BAR.....	6
4.4. BulkDataTool .....	6
4.5. CATSReport .....	6
4.6. CATSTableReplication .....	6
4.7. ClientInformation .....	6
4.8. Common.....	6
4.9. CustomerDetails.....	6
4.10. CustomerTransfer.....	7
4.11. Electricity.....	7
4.12. Enumerations .....	7
4.13. Events .....	7
4.14. Faults.....	8
4.15. Gas .....	8
4.16. Header.....	8
4.17. MDMTReport .....	8
4.18. MeterDataManagement .....	8
4.19. NetworkBilling .....	8
4.20. NMIDataAccess.....	8
4.21. NOSAssessment .....	8
4.22. NOSBooking .....	8
4.23. NOSCommon .....	9
4.24. NOSEquipment .....	9
4.25. Reports.....	10
4.26. ServiceOrder .....	11
4.27. TableReplication .....	11
4.28. Transactions.....	11
5. Disclaimer .....	11

## 1. Introduction

Version r18 of the aseXML schema has been developed from r17. The r18 version was created to:

- Improve useability for some NOS transactions
- Provide a bug fix for the Electricity B2B release

This document identifies the changes made to the schema for this release.

## 2. Change Requests

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

<b>CR#</b>	<b>Description</b>
24	NOS Enhancements
25	Customer Details ConcessionCard Fix

### 3. 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_r18.xsd			X
BAR_r15.xsd			
BulkDataTool_r15.xsd			
CATSReports_r15.xsd			
CATSTableReplication_r15.xsd			
ClientInformation_r15.xsd			
Common_r15.xsd			
CustomerDetails_r18.xsd			X
CustomerTransfer_r15.xsd			
Electricity_r15.xsd			
Enumerations.xsd			
Events_r18.xsd			X
Faults_r15.xsd			
Gas_r16.xsd			
Header_r15.xsd			
MDMTRReport_r15.xsd			
MeterDataManagement_r15.xsd			
NetworkBilling_r15.xsd			
NMIDataAccess_r15.xsd			
NOSAssessment_r18.xsd			X
NOSBooking_r18.xsd			X
NOSCommon_r18.xsd			X
NOSEquipment_r18.xsd			X
Reports_r15.xsd			
ServiceOrder_r15.xsd			
TableReplication_r15.xsd			
Transactions_r16.xsd			
No of files added	0		
No of files removed		0	
		No of files modified	7
		Total No of files	28

## 4. File Change Summary

### 4.1. Acknowledgements

- No change.

### 4.2. aseXML

- Changed aseXML namespace to urn:aseXML:r18
- r18 files included: CustomerDetails\_r18, Events\_r18, NOSAssessment\_r18, NOSBooking\_r18, NOSCommon\_r18, NOSEquipment\_r18
- Schema differences<sup>1</sup>:

```
<xsd:schema targetNamespace="urn:aseXML:r18" >
  <xsd:include schemaLocation="Events_r17.xsdEvents_r18.xsd"/>
  <xsd:include schemaLocation="CustomerDetails_r17.xsdCustomerDetails_r18.xsd"/>
  <xsd:include schemaLocation="NOSCommon_r16.xsdNOSCommon_r18.xsd"/>
  <xsd:include schemaLocation="NOSBooking_r16.xsdNOSBooking_r18.xsd"/>
  <xsd:include schemaLocation="NOSEquipment_r16.xsdNOSEquipment_r18.xsd"/>
  <xsd:include schemaLocation="NOSAssessment_r16.xsdNOSAssessment_r18.xsd"/>
</xsd:schema>
```

### 4.3. BAR

- No change.

### 4.4. BulkDataTool

- No change.

### 4.5. CATSReport

- No change.

### 4.6. CATSTableReplication

- No change.

### 4.7. ClientInformation

- No change.

### 4.8. Common

- No change.

### 4.9. CustomerDetails

- Changed constraint on ConcessionCard/Number from length 10 to maxLen 10

---

<sup>1</sup> Data that has been modified is shown *like this*. Data that has been deleted is shown ~~like this~~. Data that is added is shown like this.

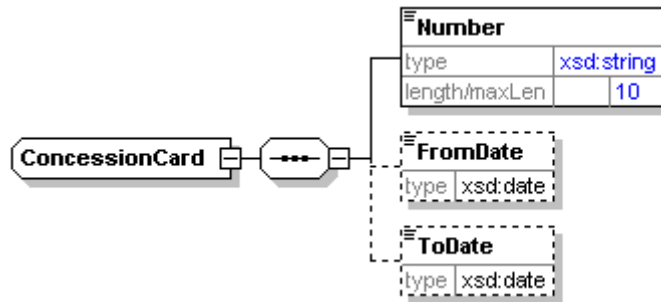


Figure 4-1 ConcessionCard Type Definition

- Changed version attribute on transaction CustomerDetailsNotification to r18
- Schema differences:

```

<xsd:complexType name="ConcessionCard">
  <xsd:sequence>
    <xsd:element name="Number">
      <xsd:simpleType>
        <xsd:restriction base="xsd:string">
          <xsd:length value="10"/>
          <xsd:maxLength value="10"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="CustomerDetailsNotification">
  <xsd:attribute name="version" use="required" type="r17r18"/>
</xsd:complexType>

```

#### 4.10. CustomerTransfer

- No change.

#### 4.11. Electricity

- No change.

#### 4.12. Enumerations

- No change.

#### 4.13. Events

- r18 version type added
- Schema differences:

```

<xsd:simpleType name="r18">
  <xsd:annotation>
    <xsd:documentation> Purpose - Release r18 identifier</xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="ReleaseIdentifier">
    <xsd:enumeration value="r18"/>
  </xsd:restriction>
</xsd:simpleType>

```

#### 4.14. Faults

- No change.

#### 4.15. Gas

- No change.

#### 4.16. Header

- No change.

#### 4.17. MDMTReport

- No change.

#### 4.18. MeterDataManagement

- No change.

#### 4.19. NetworkBilling

- No change.

#### 4.20. NMIDataAccess

- No change.

#### 4.21. NOSAssessment

- Changed version attribute on transaction NOSInfoResponse to r18
- Schema Differences:

```

<xsd:complexType name="NOSInfoResponse">
  <xsd:attribute name="version" use="required" type="r16r18"/>
</xsd:complexType>

```

#### 4.22. NOSBooking

- Changed version attribute on transaction NOSBookingSubmission to r18
- Changed version attribute on transaction NOSBookingResponse to r18
- Schema Differences:

```

<xsd:complexType name="NOSBookingSubmission">
  <xsd:attribute name="version" use="required" type="r16r18"/>
</xsd:complexType>

```



```

<xsd:complexType name="NOSBookingResponse">
  <xsd:attribute name="version" use="required" type="r14r18"/>
</xsd:complexType>

```

#### 4.23. NOSCommon

- Added enumerations 'Overload scheme', 'DC link scheme' and 'Other control scheme' to EnumBookingElementServiceAffectedType:
- Added enumeration 'Auto Control Scheme' to EnumScopeOfWorkType:
- Schema Differences:

```

<xsd:simpleType name="EnumBookingElementServiceAffectedType">
  <xsd:restriction base="xsd:string">
    <xsd:maxLength value="30"/>
    <xsd:whiteSpace value="collapse"/>
    <xsd:enumeration value="HV plant"/>
    <xsd:enumeration value="HV A/R OFF"/>
    <xsd:enumeration value="HV trip & A/R test"/>
    <xsd:enumeration value="HV plant protection+trip test"/>
    <xsd:enumeration value="HV plant protection"/>
    <xsd:enumeration value="System Protection"/>
    <xsd:enumeration value="UV control scheme"/>
    <xsd:enumeration value="UF load shed scheme"/>
    <xsd:enumeration value="Overload scheme"/>
    <xsd:enumeration value="DC link scheme"/>
    <xsd:enumeration value="Other control scheme"/>
    <xsd:enumeration value="Voice"/>
    <xsd:enumeration value="Data & controls"/>
    <xsd:enumeration value="AGC controls"/>
    <xsd:enumeration value="Other equipment"/>
  </xsd:restriction>
</xsd:simpleType>

```

```

<xsd:simpleType name="EnumScopeOfWorkType">
  <xsd:restriction base="xsd:string">
    <xsd:maxLength value="25"/>
    <xsd:whiteSpace value="collapse"/>
    <xsd:enumeration value="Line"/>
    <xsd:enumeration value="Substn"/>
    <xsd:enumeration value="Line/Substn"/>
    <xsd:enumeration value="Live Line"/>
    <xsd:enumeration value="Live Substn"/>
    <xsd:enumeration value="Live Line/Substn"/>
    <xsd:enumeration value="Protection"/>
    <xsd:enumeration value="SCADA"/>
    <xsd:enumeration value="Communications"/>
    <xsd:enumeration value="Other secondary equip"/>
    <xsd:enumeration value="Auto Control Scheme"/>
  </xsd:restriction>
</xsd:simpleType>

```

### 4.24. NOSEquipment

- Changed maxLen constraint from 40 to 60 on element NEMMCOName in type EquipmentBaseType:

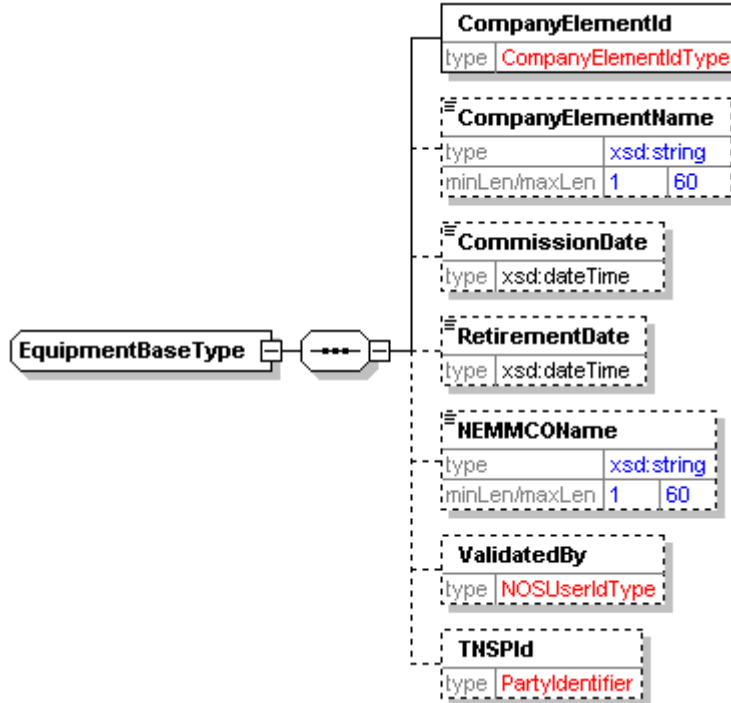


Figure 4-2 EquipmentBaseType Definition

- Changed version attribute on transaction NOSEquipmentSubmission to r18
- Schema Differences:

```

<xsd:complexType name="EquipmentBaseType" abstract="true">
  <xsd:sequence>
    <xsd:element name="NEMMCOName" minOccurs="0">
      <xsd:simpleType>
        <xsd:restriction base="xsd:string">
          <xsd:whiteSpace value="collapse"/>
          <xsd:minLength value="1"/>
          <xsd:maxLength value="4060"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="NOSEquipmentSubmission">
  <xsd:attribute name="version" use="required" type="r16r18"/>
</xsd:complexType>
    
```

### 4.25. Reports

- No change.

#### **4.26. ServiceOrder**

- No change.

#### **4.27. TableReplication**

- No change.

#### **4.28. Transactions**

- No change.

### **5. Disclaimer**

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