

Schema Release Notes

Release r11

Document Control

Version	Date	Author	Summary of Change
1.0	24/06/2003	Bhawna Kapoor	Updates to version r10 as per CR3 and CR4.

References

Document	Version	Release Date	Author
Schema Release Notes	r11	15/03/2003	Darren Fields
Release Notes CR#4	1.2	18/06/2003	Bibhakar Saran

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1. Release notes

The aseXML R10 release was designated as the baseline for the release R11. The table below lists all schema files and their current status.

File Name	Status
Acknowledgements_r9.xsd	No Change
Appointments_r11.xsd	Removed from schema
AseXML_r11.xsd	Updated
BulkDataTool_r9.xsd	No Change
CATSReports_r9.xsd	No Change
CATSTableReplication_r11.xsd	Updated
ClientInformation_r11.xsd	Updated
Common_r11.xsd	Updated
CustomerDetails_r11.xsd	Updated
CustomerTransfer_r10.xsd	No Change
Electricity_r11.xsd	Updated
Events_r11.xsd	Updated
Faults_r8.xsd	No Change
Gas_r11.xsd	Updated
Header_r9.xsd	No Change
MDMTReport_r10.xsd	No Change
MeterDataManagement_r9.xsd	No Change
NetworkBilling_r9.xsd	Updated
NMIDataAccess_r11.xsd	Updated
Reports_r10.xsd	No Change
ServiceOrder_r11.xsd	Updated
TableReplication_r10.xsd	No Change
Transactions_r9.xsd	Updated

2. Summary Of Changes

The changes to the affected files are listed below:

2.1 *Appointments_r11.xsd*

- Removed file from the schema.

2.2 *AseXML_r11.xsd*

- Changed the namespace to aseXML:r11.
- Modified the names of the updated files, in the include statements to reflect the appropriate release number.
- Updated include statements to include the files MeterDataManagement_r11.xsd, NetworkBilling_r11.xsd and Transactions_r11.xsd.

2.3 *CATSTableReplication_r11.xsd*

- Added attribute 'version' to the following elements:
 - a. ElectricityNMIMasterRow
 - b. ElectricityCATSChangerequestNMIMasterRow
- Updated the version type to r11 in the following elements:
 - a. ElectricityNMIMasterRowBDT
 - b. ElectricityNMIMasterRow
 - c. ElectricityChangeRequestNMIMasterRow

2.4 *ClientInformation_r11.xsd*

- Modified the enumerated list AustralianStreetType to include 'WOOD', 'PSGE' and 'RTRN'.

2.5 *Common_r11.xsd*

- Removed descriptive values from the enumerated list UnitsOfMeasure.
- Added the following elements:
 - ServicePoint
 - GasMeterPosition
 - GasMeterDogCode

- Moved the following elements to Electricity_r11.xsd:
- LicenseNumber
- SafetyCertificateID
- License
- NMIClassificationDescription
- NMIStatusCode
- NMIStatusCode
- NMIStatusDescription
- NMIDataStreamSuffix
- ProfileName
- ProfileDescription
- MeterAdditionalSiteInformation
- MeterAssetManagementPlan
- MeterCalibrationTables
- MeterCommunicationsEquipmentType
- MeterCommunicationsProtocol
- MeterConstant
- MeterDataConversion
- MeterDataValidations
- MeterEstimationInstructions
- MeterHazard
- MeterInstallationTypeCode
- MeterInstallationTypeDescription
- MeterLocation
- MeterManufacturer
- MeterMeasurementType
- MeterModel
- MeterPassword
- MeterPoint

- MeterProgram
- MeterReadTypeCode
- MeterRemotePhoneNumber
- MeterRoute
- MeterStatusCode
- MeterTestCalibrationProgram
- MeterTestPerformedBy
- MeterTestResultAccuracy
- MeterTestResultNotes
- MeterTransformerLocation
- MeterTransformerRatio
- MeterTransformerType
- MeterUse
- MeterUserAccessRights
- MeterConsumptionType
- MeterControlledLoad
- MeterDemand
- MeterDialFormat
- MeterMultiplier
- MeterNetworkAdditionalInformation
- MeterRegisterIdentifier
- MeterRegisterStatusCode
- MeterTimeOfDay
- MeterUnitOfMeasure
- Modified the complexType ServicePoint child element Address to include optional 'updateStatus' attribute.
- Note: This is used in gas transaction thus an impact statement needs to be defined.

2.6 CustomerDetails_r11.xsd

- Updated the version attribute on CustomerDetailsNotification to r11.

- Defined new enumerated list SpecialConditionCode.
- Deleted existing definition for complexType CustomerDetail.
- Defined new complexType Product, CustomerDetail DisconnectionDetail and CustomerData.
- Note: The complexType CustomerDetail was updated to use anonymous type extending the “BusinessName”, initially derived by restriction to allow for optional updateStatus attribute. Removed updateStatus attribute from complexType CustomerDetail.
- Added new complexType AustralianPhoneNumberWithStatus, CustomerDetailsNotification, CustomerComplaintNotification, and CustomerDisconnectionNotification.

2.7 *Electricity_r11.xsd*

- Changed ElectricityStandingData version attribute to r11.
- Moved the following elements to this file:
 - LicenseNumber
 - SafetyCertificateID
 - License
 - NMIClassificationDescription
 - NMIStatusCode
 - NMIStatusCode
 - NMIStatusDescription
 - NMIDataStreamSuffix
 - ProfileName
 - ProfileDescription
 - MeterAdditionalSiteInformation
 - MeterAssetManagementPlan
 - MeterCalibrationTables
 - MeterCommunicationsEquipmentType
 - MeterCommunicationsProtocol
 - MeterConstant
 - MeterDataConversion
 - MeterDataValidations
 - MeterEstimationInstructions

- MeterHazard
- MeterInstallationTypeCode
- MeterInstallationTypeDescription
- MeterLocation
- MeterManufacturer
- MeterMeasurementType
- MeterModel
- MeterPassword
- MeterPoint
- MeterProgram
- MeterReadTypeCode
- MeterRemotePhoneNumber
- MeterRoute
- MeterStatusCode
- MeterTestCalibrationProgram
- MeterTestPerformedBy
- MeterTestResultAccuracy
- MeterTestResultNotes
- MeterTransformerLocation
- MeterTransformerRatio
- MeterTransformerType
- MeterUse
- MeterUserAccessRights
- MeterConsumptionType
- MeterControlledLoad
- MeterDemand
- MeterDialFormat
- MeterMultiplier
- MeterNetworkAdditionalInformation

- MeterRegisterIdentifier
- MeterRegisterStatusCode
- MeterTimeOfDay
- MeterUnitOfMeasure
- InstallationType
- SupplyPhase
- NominatedMeterProvider
- SpecialReadType
- SpecialReadData
- NewConnection
- CustomerType
- ElectricityServiceOrderType
- ElectricityServiceOrderDetails
- ElectricityServiceOrderNotificationData
- SORDResponseCode
- SORDMeterDetail
- ServiceOrderType
- ServiceOrderSubType
- Modified the enumerated list SORDResponseCode
- Added a new value 'Retailer cancellation '.
- Shortened the description of the existing values.
- Added enumerated list DirectionIndicator.
- Added an optional element 'DirectionIndicator' to complexType ElectricityMeterRegisterDetail.
- Added 'MeterSerialNumber' to the complexType ElectricityServiceOrderType.
- Added optional attribute subType to data element ServiceOrderType in complexType ElectricityServiceOrderType
- Replaced element 'NewConnection' with 'MeterDetail' in ElectricityServiceOrderDetails.
- Updated the complexType ElectricityServiceOrderNotificationData:
- Changed the type for element ActualTime from 'type="xsd:date"' to 'type="xsd:time"'.

- Removed element 'SpecialNotes'.
- Changed the type for element Product from 'type="SORDProduct"' to 'type="Product"'.
- Removed definition of complexType SORDMeterDetail and merged it with the derived complexType ElectricityServiceOrderDetails from base complexType ServiceOrderRequestData by extension.

2.8 Events_r11.xsd

- Added type r11 for ReleaseIdentifier.

2.9 Gas_r11.xsd

- Moved the following to this file:
 - GasServiceOrderNotificationData
 - GasServiceOrderDetails
 - GasServiceOrderType
- Moved the following to Common_r11.xsd:
 - GasMeterPosition
 - GasMeterDogCode
- Changed the definition of element PlumberLicenceNumber to string with maximum length of 5.
- Updated the complexType GasStandingData:
- Changed the value of version attribute to r11

2.10 MeterDataManagement_r11.xsd

- Added an enumerated list TransactionCode.
- Added complexType MeterConfigData and MeterConfigNotification

2.11 NetworkBilling_r11.xsd

- Added "Event Based Charge" to enumerated list "ChargeType"
- Redefined enumerated list "DisputeReasonCode".
- Increased maxLength facet value from "12" to "17" for "InvoiceNumber".
- Moved simpleType definition for NetworkTariffCode from Electricity_r11.xsd to this file.
- Redefined complexType GSTDetails, GSTData, PaymentData, DisputeFooter, InvoiceNotificationSummary, InvoiceNotificationFooter, ChargeItemType, NUOS, EventCharge, GSL, ExcludedService, BaseInvoice, InvoiceSummary, InvoiceDetail, RemittanceDetail, RemittanceSummary, DisputeItem, ResolutionItem, Confirmation, DisputeStatusDetail, OutstandingInvoiceDetail, CreditBalanceDetail, CreditData, NetworkInvoiceData,

DisputeNotificationData, RemittanceData, DisputeStatusData, CreditData, ExcludedServiceData, NetworkInvoiceNotification, DisputeNotification, RemittanceNotification, DisputeResponse, CreditNotification and ExcludedServiceInvoiceRequest.

2.12 NMIDataAccess_r11.xsd

- Changed version attribute to r11 on NMIDiscoveryRequest transaction.
- Added new complexType NMIDiscoveryFollowup.

2.13 ServiceOrder_r11.xsd

- Changed the version attribute to r11 on ServiceOrderRequest, ServiceOrderNotification, SpeialReadRequest and ServiceOrderResponse transactions.
- Removed the type definitions for the following:
 - ServicePoint
 - ElectricityServiceOrderType
 - ElectricityServiceOrderDetails
 - ElectricityServiceOrderNotificationData
 - SORDResponseCode
 - InstallationType
 - SupplyPhase
 - NominatedMeterProvider
 - SpecialReadType
 - SpecialReadData
 - NewConnection
 - CustomerType
 - GasServiceOrderNotificationData
 - GasServiceOrderDetails
 - GasServiceOrderType
 - ProductCode
 - ProductDescription
 - SORDProduct
- Added “Final and Opening Read” to enumerated list SpecialReadReasonCode.
- Redefined enumerated list ServiceOrderType.

- Added optional elements RetailerID and ProviderID of type PartyIdentifier to ServiceOrderHeader.
- Added optional data element SpecialNotes to ServiceOrderNotificationData.
- Renamed complexType SORDSpecialComments to SpecialComments and fixed all usage in the schema.
- Deleted complexType FieldWorkRequest.
- Update the SpecialReadReasonCode to include additional values
 - Sticker Removed
 - Final Read Stickered
 - Read Following Disconnection for Non-Payment

2.14 Transactions_r11.xsd

- Deleted the following transactions:
 - FieldWorkRequest
 - QuotationRequest,
 - QuotationResponse,
 - AppointmentRequest
 - AppointmentResponse
 -
- Added following new transactions:
 - DisputeResponse,
 - CreditNotification
 - CustomerComplaintNotification
 - CustomerDisconnectionNotification.

3 Implementation Notes

This section provides implementation details where the implementation does not provide one-to-one mapping to the business process specifications with the intention to promote consistency and adherence to aseXML guidelines.

- a. Include mandatory address fields as defined in the aseXML schema and listed below in all request transactions *in the required order*:

Site Address StateOrTerritory	CHAR (3)	M
Site Address PostCode	NUMERIC (4)	M
Contact Address StateOrTerritory	CHAR (3)	R
Contact Address PostCode	NUMERIC (4)	R
Customer Address StateOrTerritory	CHAR (3)	R
Customer Address PostCode	NUMERIC (4)	R

- b. Fix “NotificationType” to be same as “ServiceOrderType”
- c. There is no need to create a new ServiceOrderType and relax schema constraints on mandatory data elements. The ServiceOrderType NEWCONNECT can be used for appointment and NewConnection request at the same time thereby resulting in streamlined approach.

Note: *Consecutively, the current schema does not support the data element NotificationType other than those defined in the ServiceOrderType, and value of “NEWCAPPT”.*

2. Q & A

1. ServiceOrderType - Typo "MTRINSTPECT". Should this be "MTRINSPECT"?
 - **<BS> fixed </BS>**
2. ServiceOrderHeader/RetailerID and Provider ID are redundant as this is part of the message header
 - **<BS> Yes, but the idea is to include information in the payload, i.e. Transaction element. AseXML/Header is treated as the envelope. </BS>**
3. ElectricityServiceOrderDetails/SpecialRead - believe this is redundant
 - **<BS> yes, fixed, see attached document for details </BS>**
4. New CustomerDetailsNotification looks good, however:
 1. There is no update status on BusinessName, therefore Retailer can't communicate a change in business name
 - **<BS> fixed </BS>**
 2. There is not update status on PostalAddress. (Same issue as 4.1).
 - **<BS> The attribute exists, but using XMLSpy, need to load the full schema and expand through to make it visible in schema view </BS>**
 3. Unsure why CustomerDetail has an update status attribute.
 - **<BS> fixed in conjunction with 4.1 </BS>**
5. To send a New Connection or MTRADDALTS, the ElectricityServiceOrderDetails/MeterDetail element needs to be populated.
 1. For New Connection and MTRADDALTS, SupplyPhase should be optional.
 - **<BS> fixed </BS>**
 2. For New Connection and MTRADDALTS, AverageDailyLoad should be optional.
 - **<BS> fixed </BS>**
 3. For MTRADDALTS NominatedResponsiblePerson is not required and therefore should be optional in the schema
 - **<BS> fixed </BS>**
6. The retailers service order number is optional in a request. Should this be mandatory?
 - **<BS> This is due to convergence with Gas </BS>**
 - **<DF>The Service Order Header is used in both SO requests and SO responses. In gas the mechanism for a Distributor to report unsolicited work to a Retailer is to use the SO Notification with no Service Order Number. Because of this the Retailers SO Number must be schema optional. </DF>**
7. NotificationData in a response is optional. Surely this should be mandatory?
 - **<BS> This is due to convergence with Gas </BS>**
 - **<DF>In gas Distributors use an initial SO Notification to provide the Retailer with the Distributors Work Order Number to ease information exchange. To do this only elements populated are in the SO Header. Therefore, all other elements must be schema optional. </DF>**
8. Within ContactDetail and CustomerDetail, should the address be mandatory?
 - **<BS> no, the process specification itself allows the address to be optional</BS>**
9. ContactName is optional in a request. I understand why (as the industry specs show as required, not mandatory) - but I would have thought business rules would make this mandatory.
 - **<BS> because the customer name may be provided instead and sometimes together with contact name </BS>**
 - **<DF>in gas a contact name and number are optional for the SO, and customer name is not required. Any change to the schema at this level would impact gas. </DF>**

Appendix

This section contains the design view of all the new and updated complexTypes in the r11 version of schema.

3.1 Modified complexTypes:

The following complexTypes were modified:

ServicePoint, ElectricityMeterRegisterDetail, ElectricityServiceOrderType, ElectricityServiceOrderDetails, ElectricityServiceOrderNotificationData, BaseInvoice, GSTDetails, GSTData, DisputeFooter, ChargeItemType, NUOS, EventCharge, GSL, ExcludedService, InterestCharge, RemittanceDetails, RemittanceSummary, DisputeItem, ResolutionItem, Confirmation, DisputeStatusDetail, OutstandingInvoiceDetail, CreditBalanceDetail, CreditData, NetworkInvoiceNotification, RemittanceNotification, DisputeNotification, DisputeResponse, CreditNotification, InvoiceNotificationFooter.

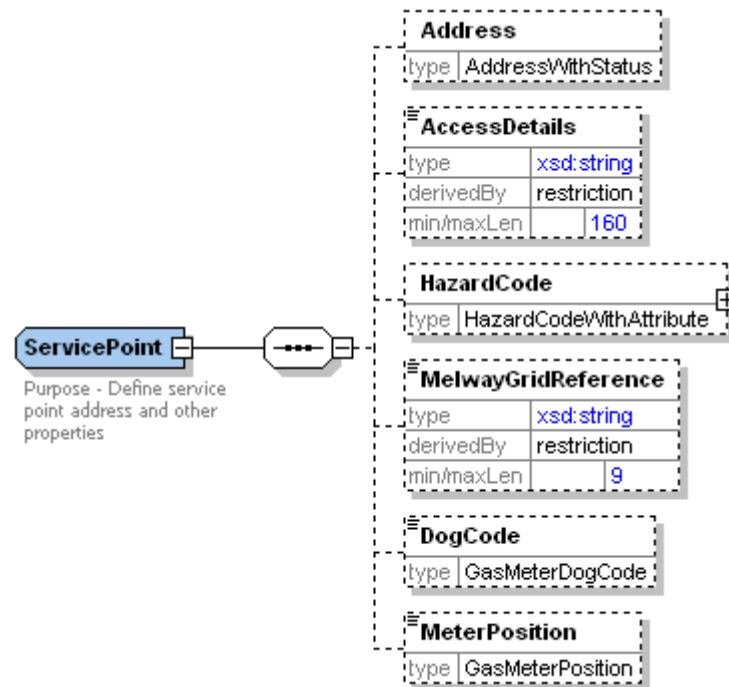


Figure1-ServicePoint

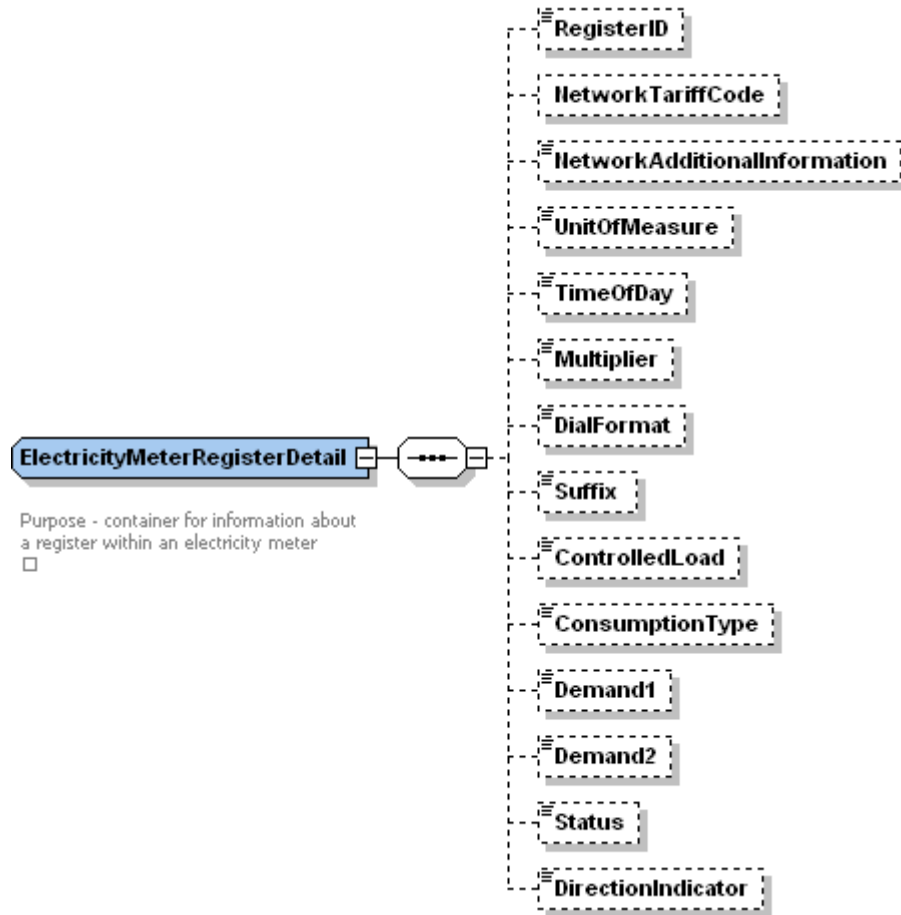


Figure2-ElectricityMeterRegisterDetail

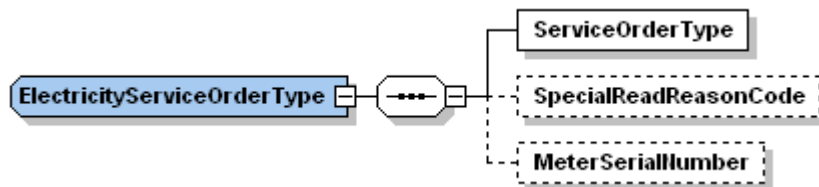


Figure3-ElectricityServiceOrderType



Figure4-ElectricityServiceOrderDetails

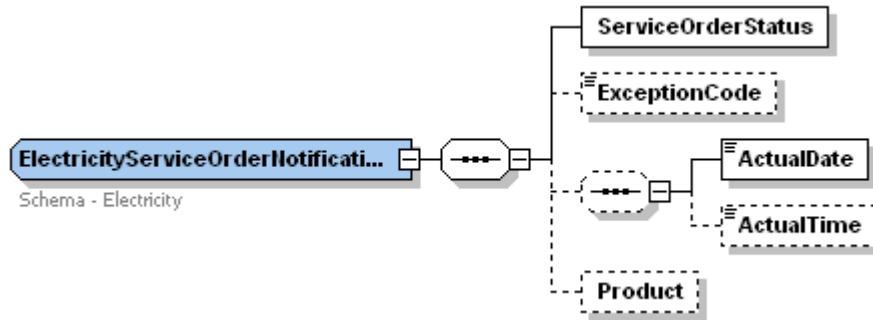


Figure5-ElectricityServiceOrderNotification

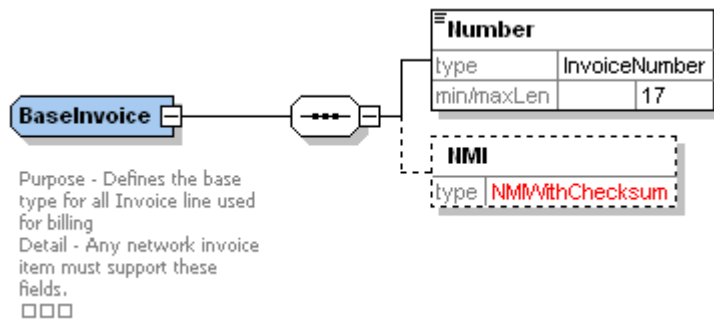


Figure6-BaseInvoice

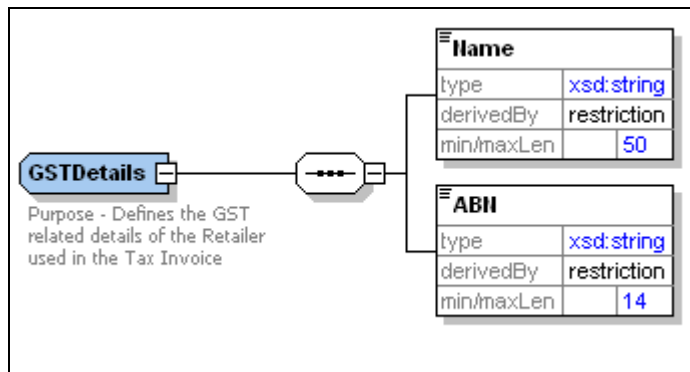


Figure7-GSTDetails

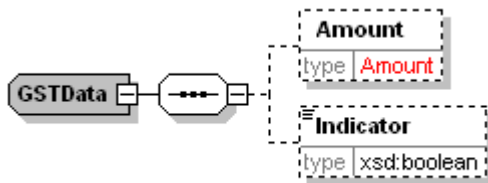


Figure8-GSTData

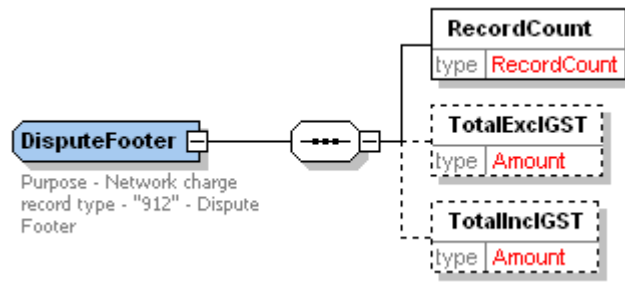


Figure9-DisputeFooter

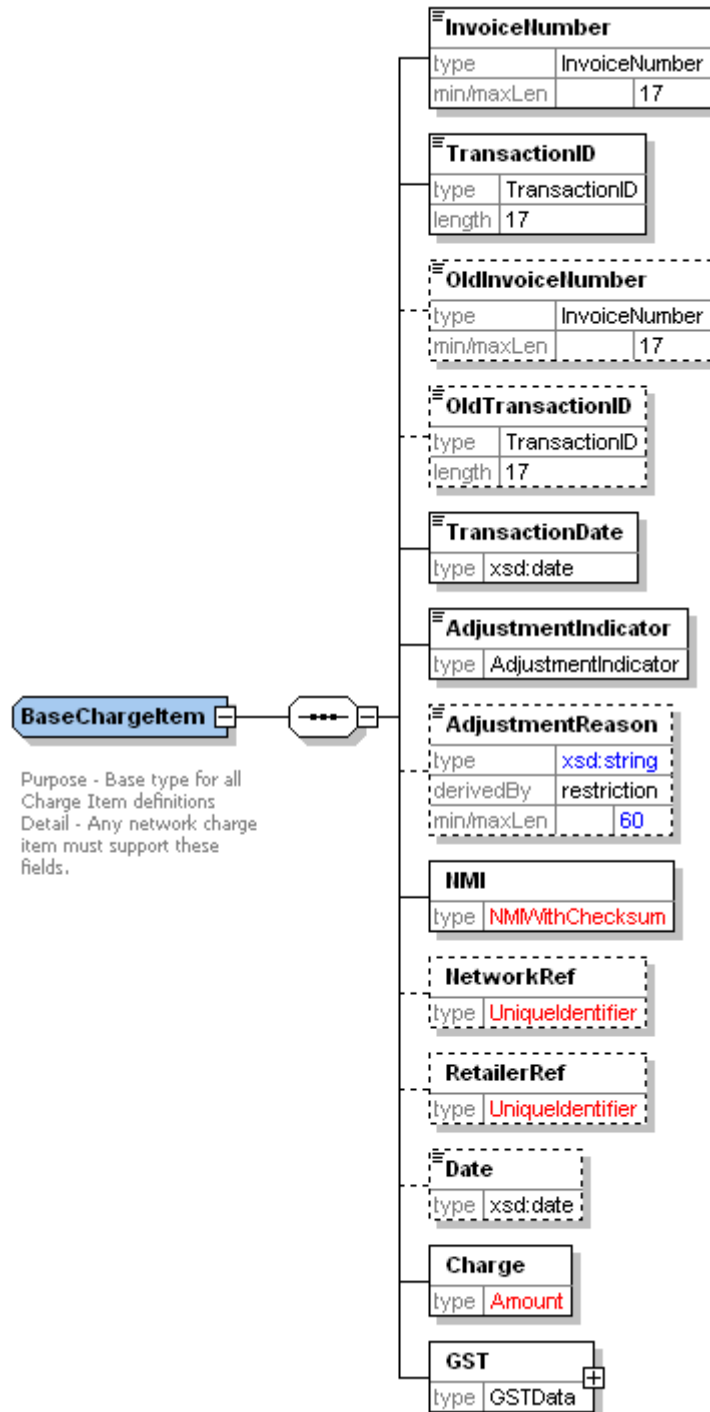


Figure10-BaseChargeItem

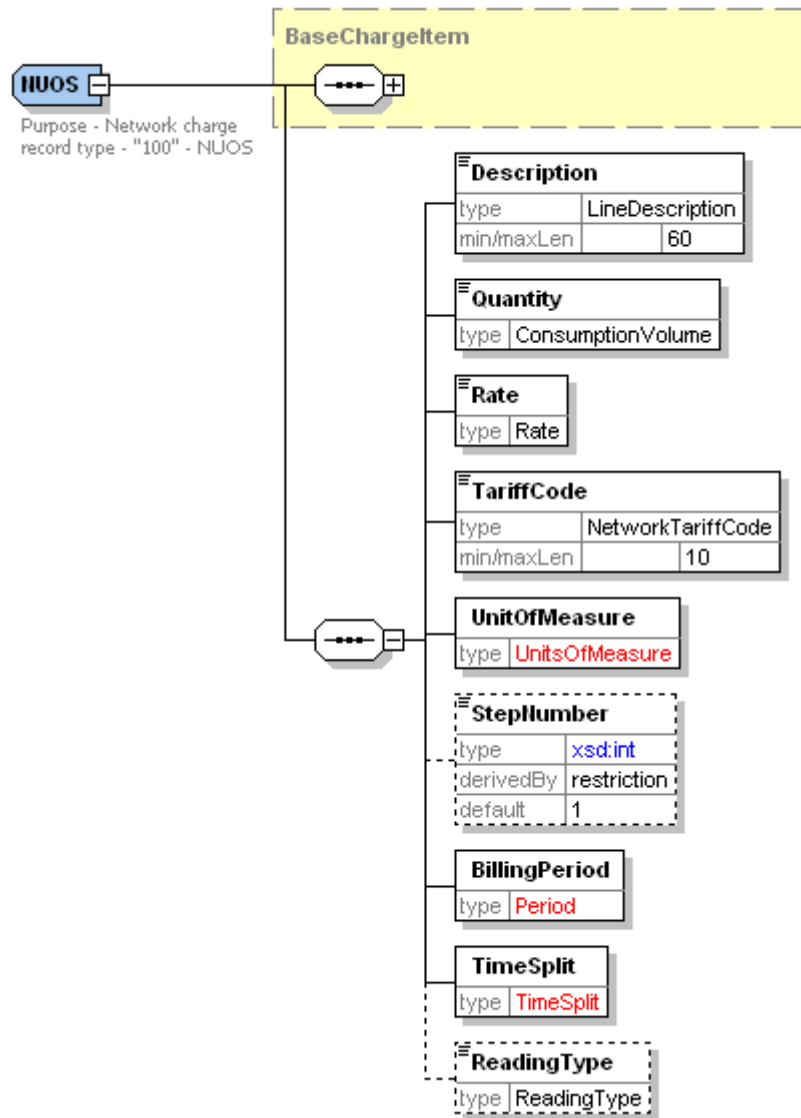


Figure11-NUOS

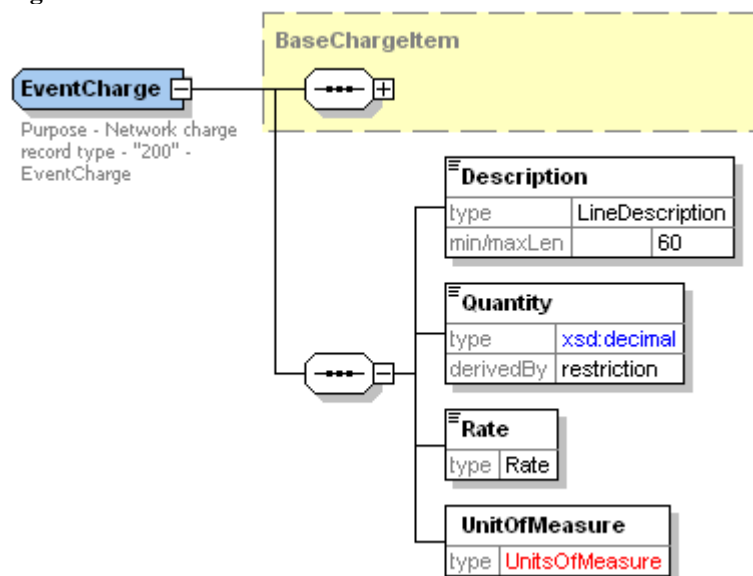


Figure12-EventCharge

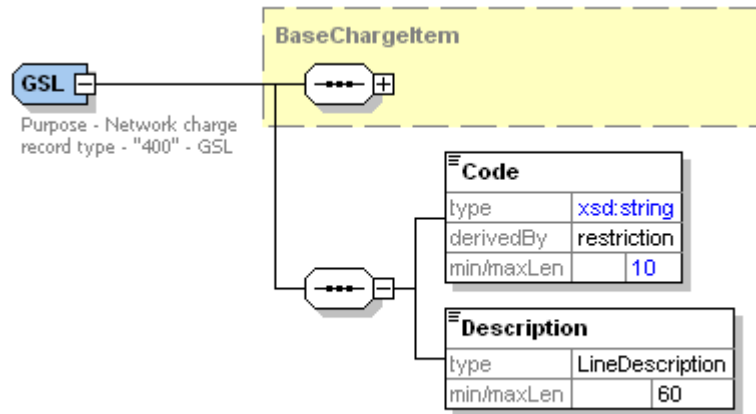


Figure13-GSL

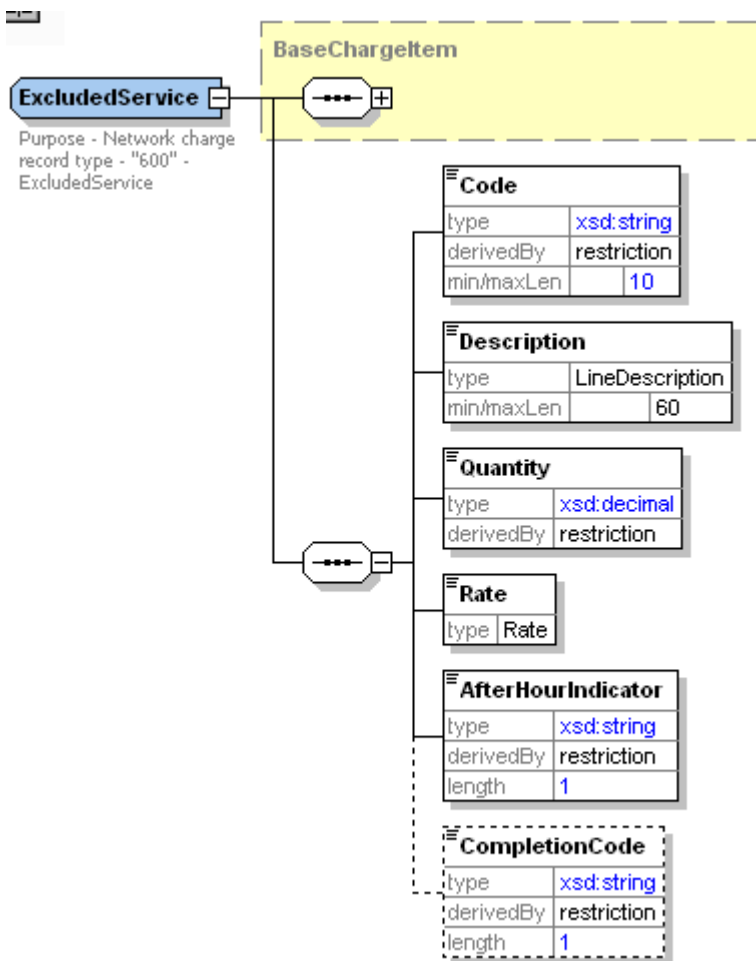


Figure14-ExcludedService

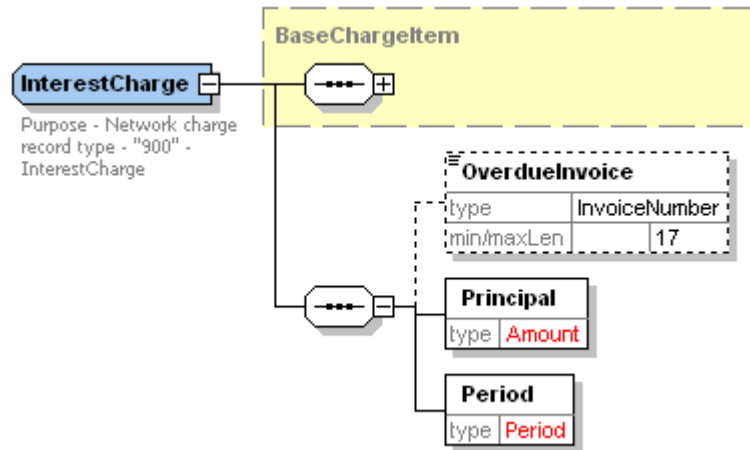


Figure15-InterestCharge

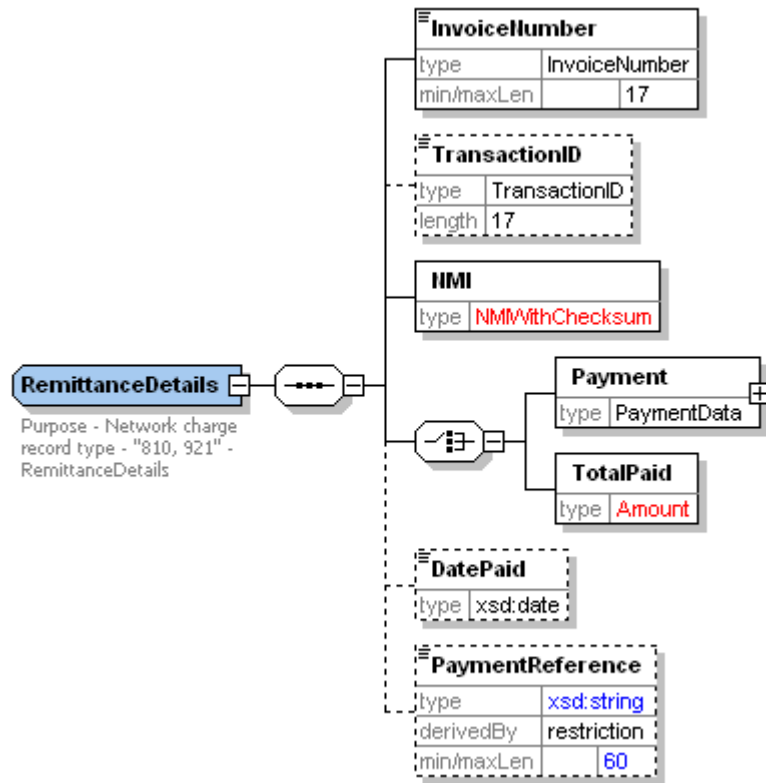


Figure16-RemittanceDetails

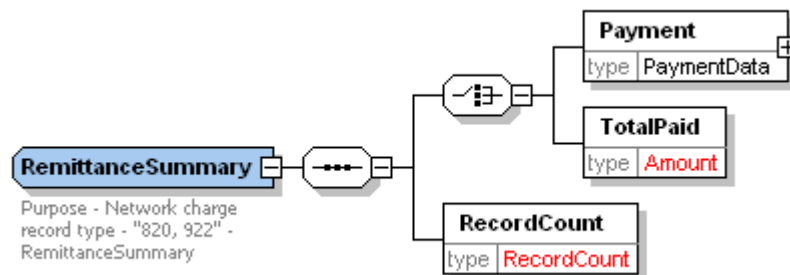


Figure17-RemittanceSummary

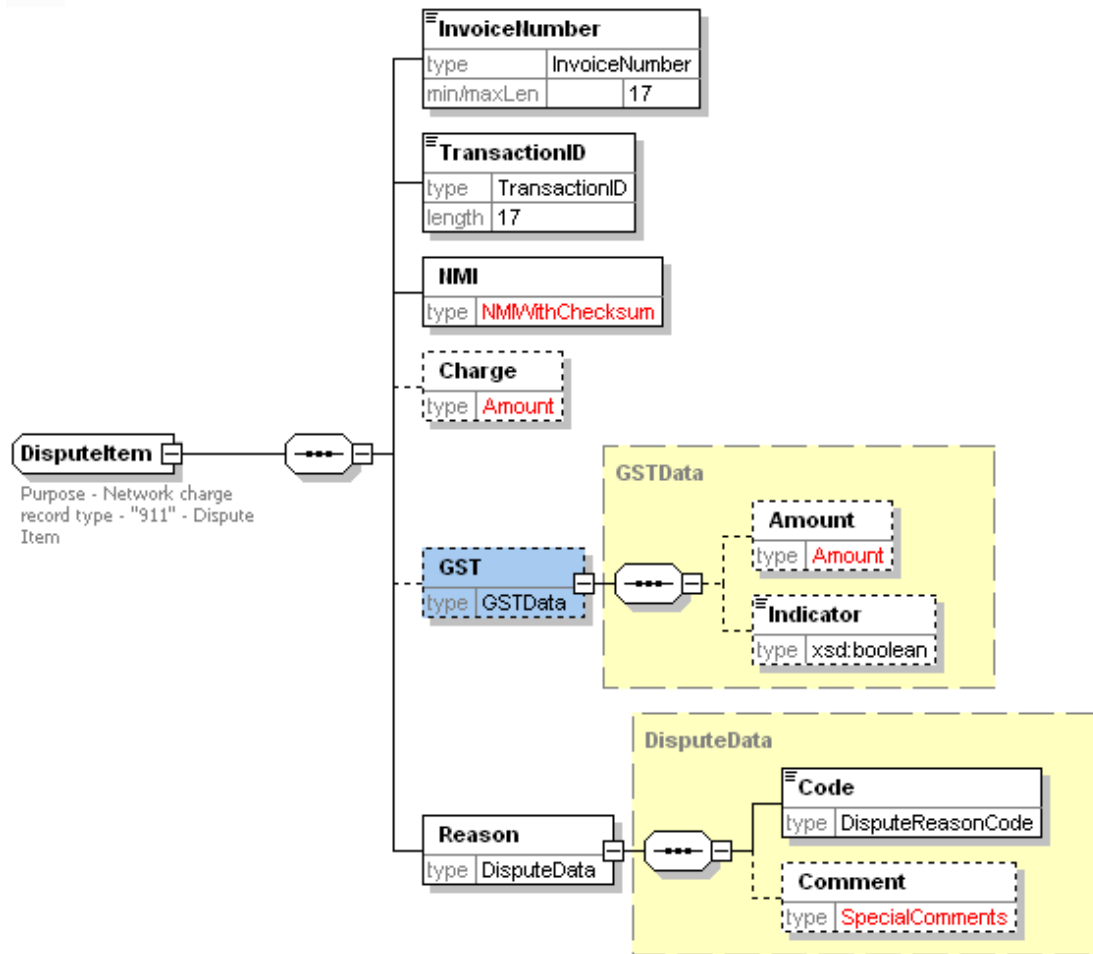


Figure18-DisputeItem

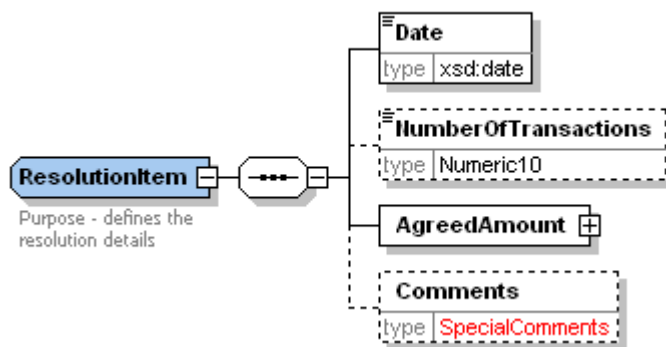


Figure19-ResolutionItem

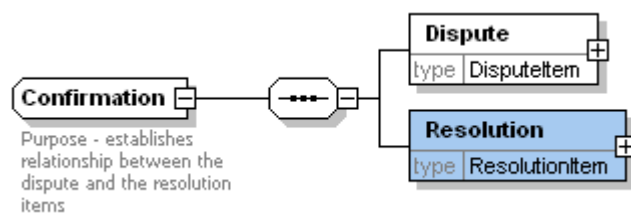


Figure20-Confirmation

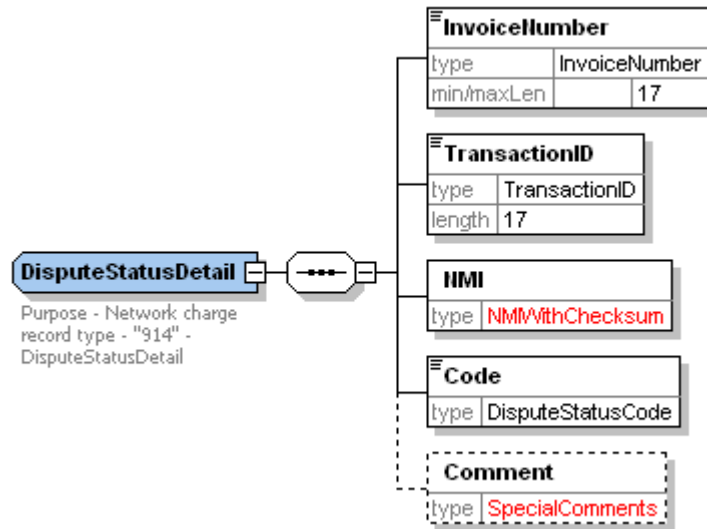


Figure21-DisputeStatusDetail

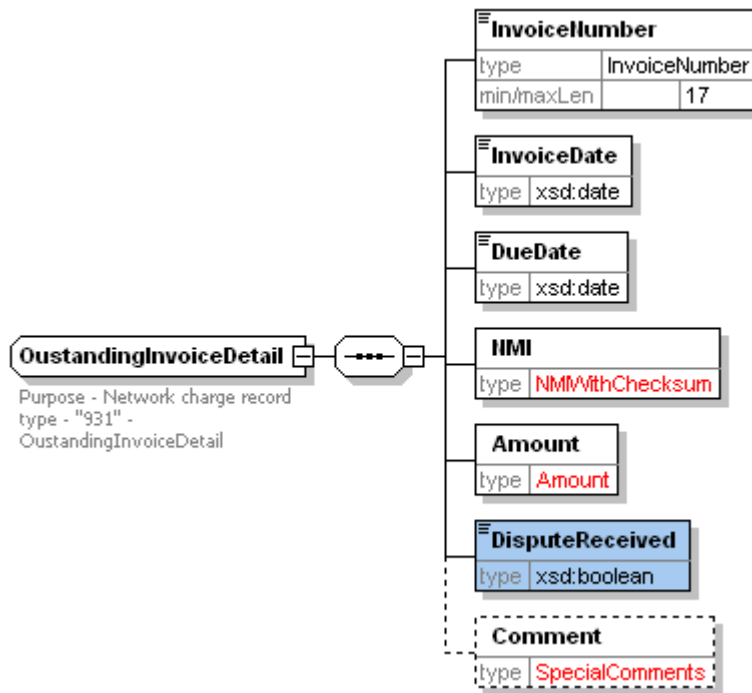


Figure22-OutstandingInvoiceDetail

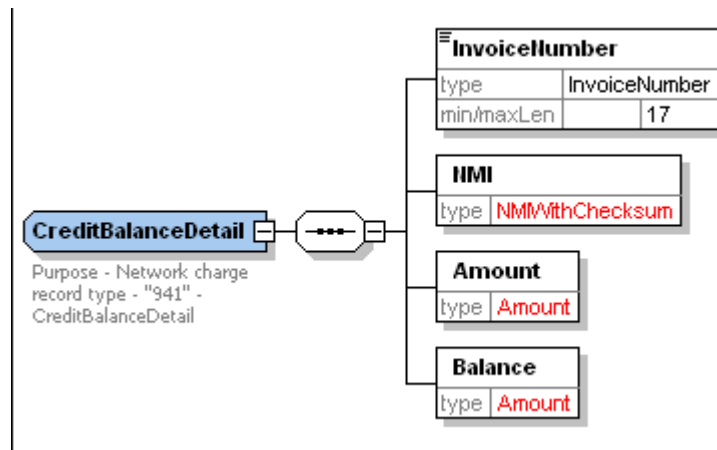


Figure23-CreditBalanceDetail

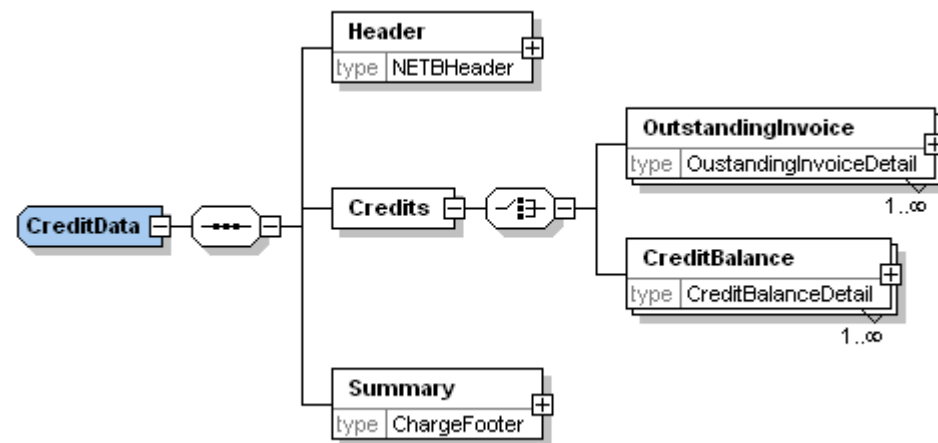


Figure24-CreditData

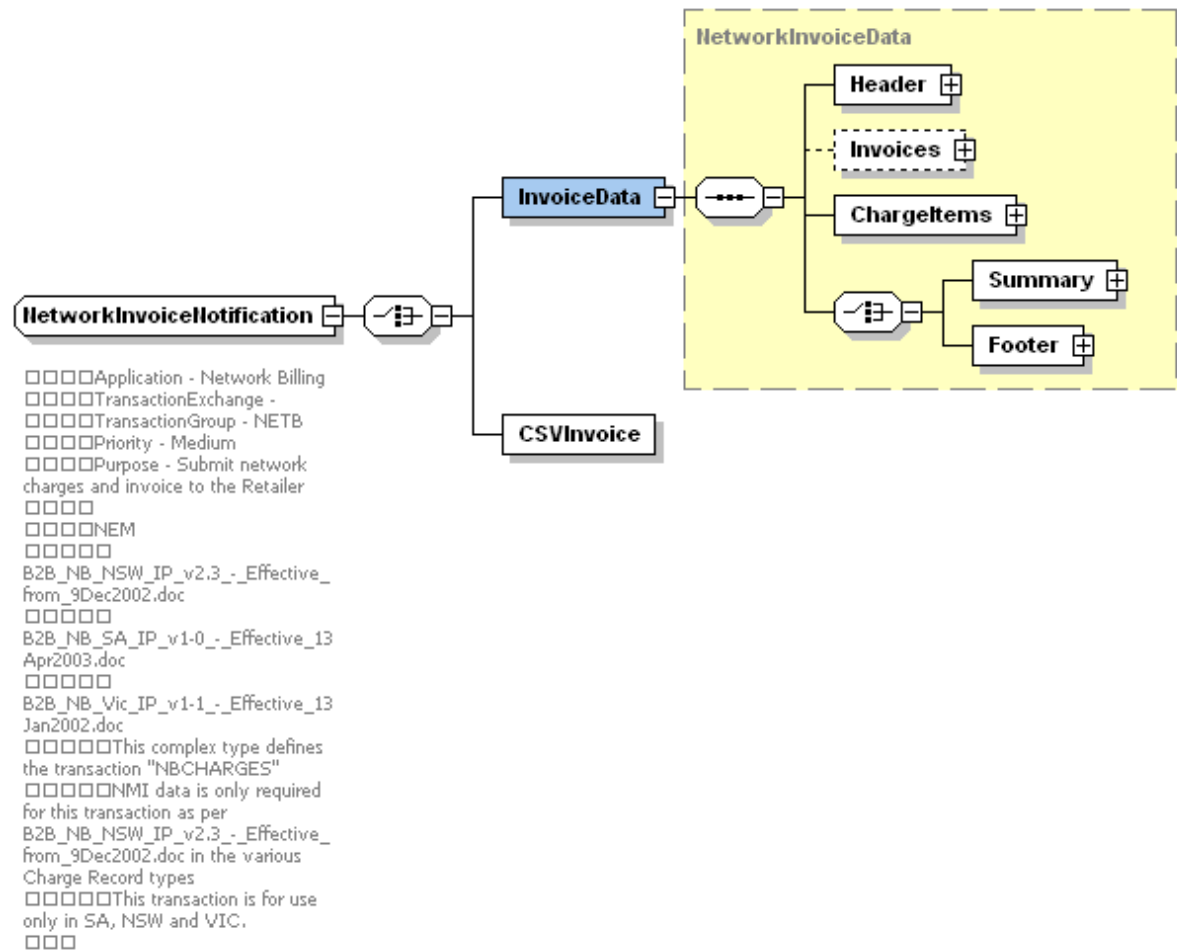


Figure25-NetworkInvoiceNotification

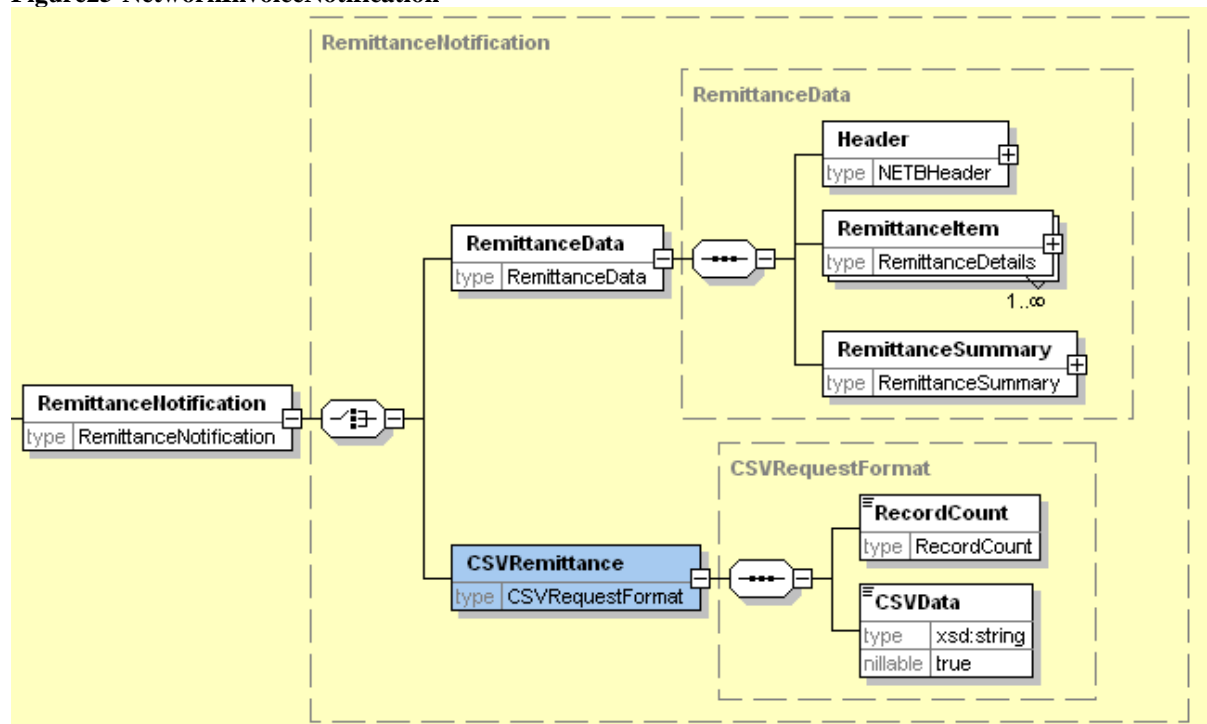


Figure26-RemittanceNotification

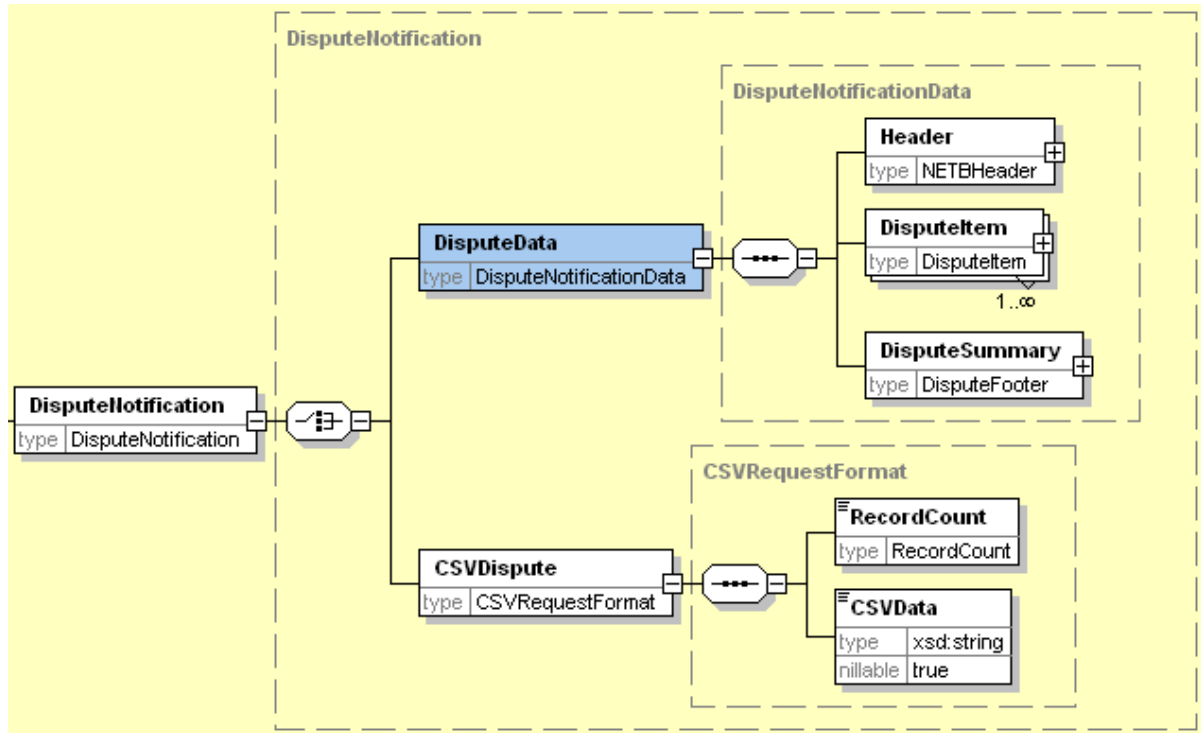


Figure27-DisputeNotification

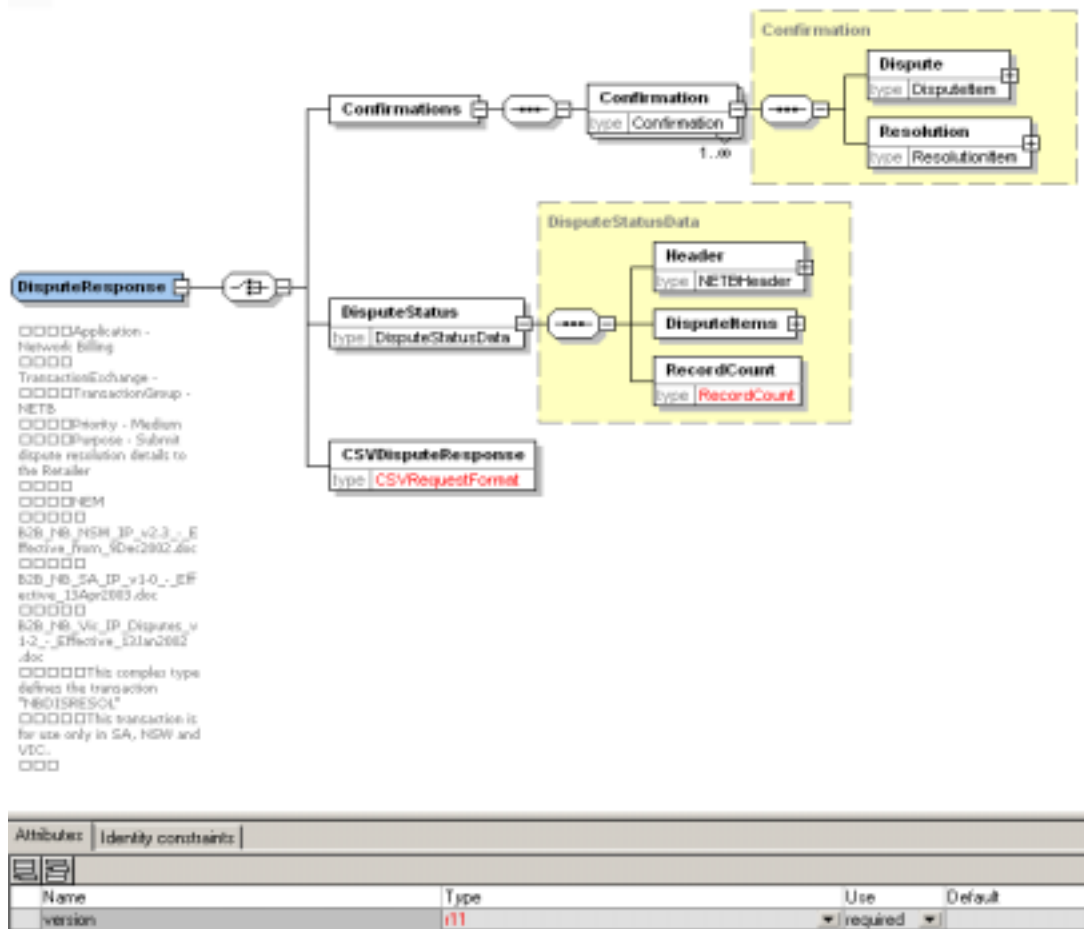


Figure28-DisputeResponse

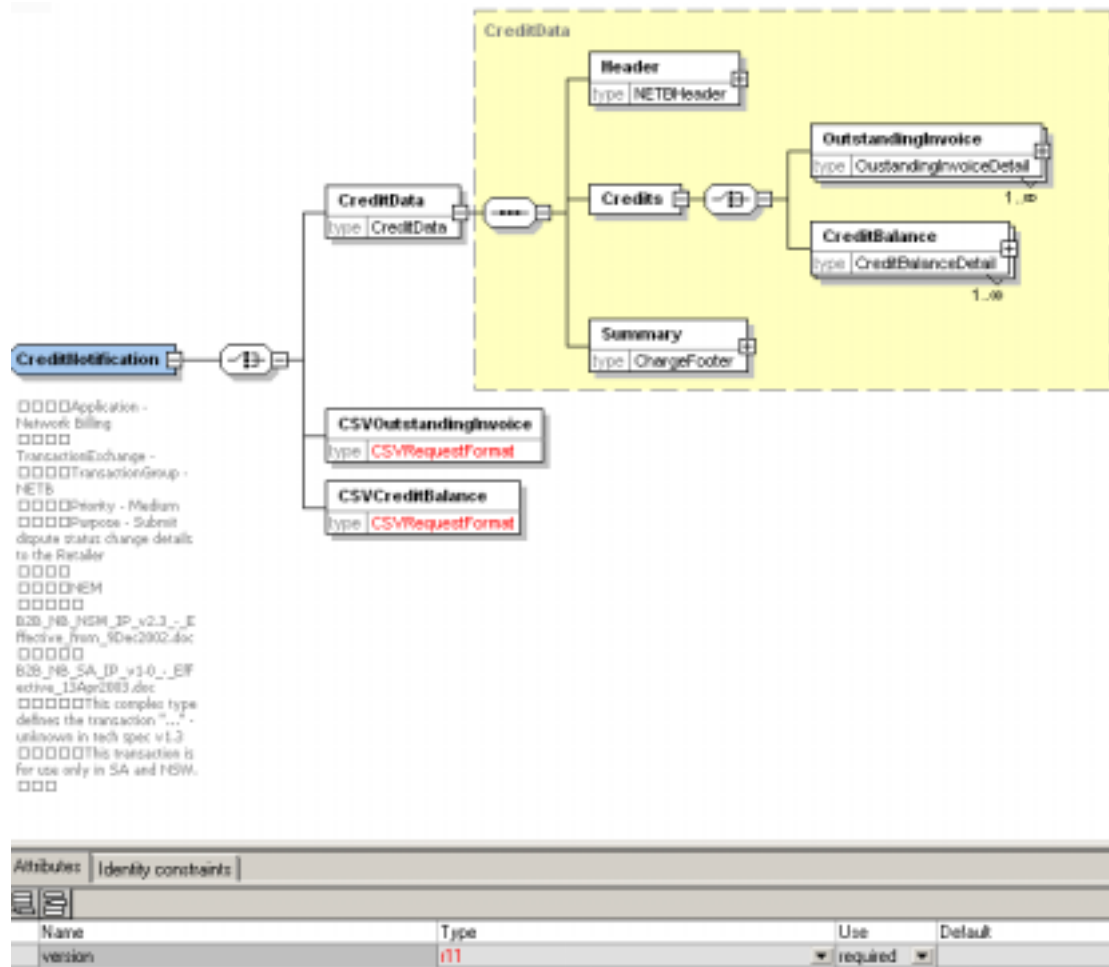


Figure29-CreditNotification

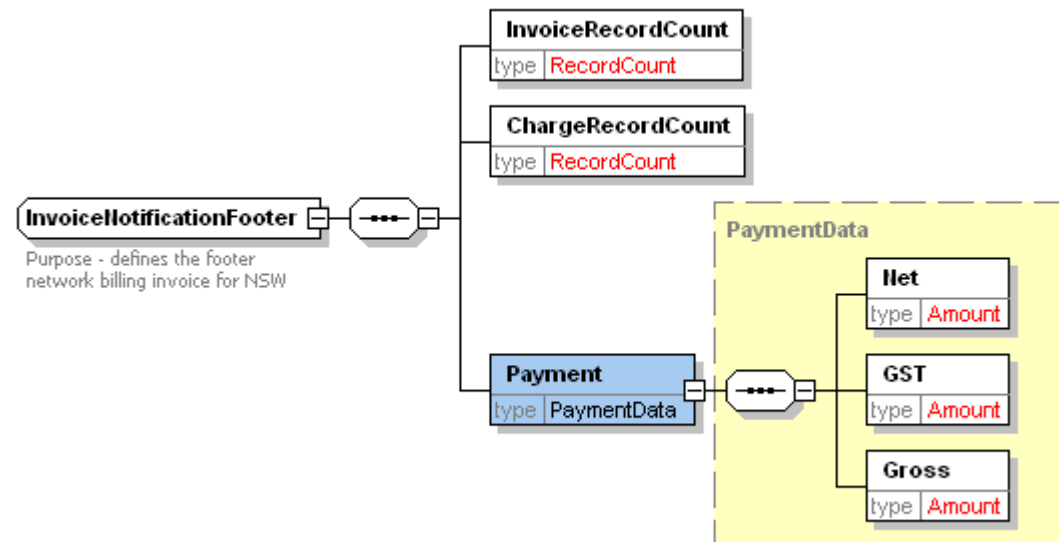


Figure30-InvoiceNotificationFooter

3.2 New complexTypes

1. CustomerDetails_r11.xsd

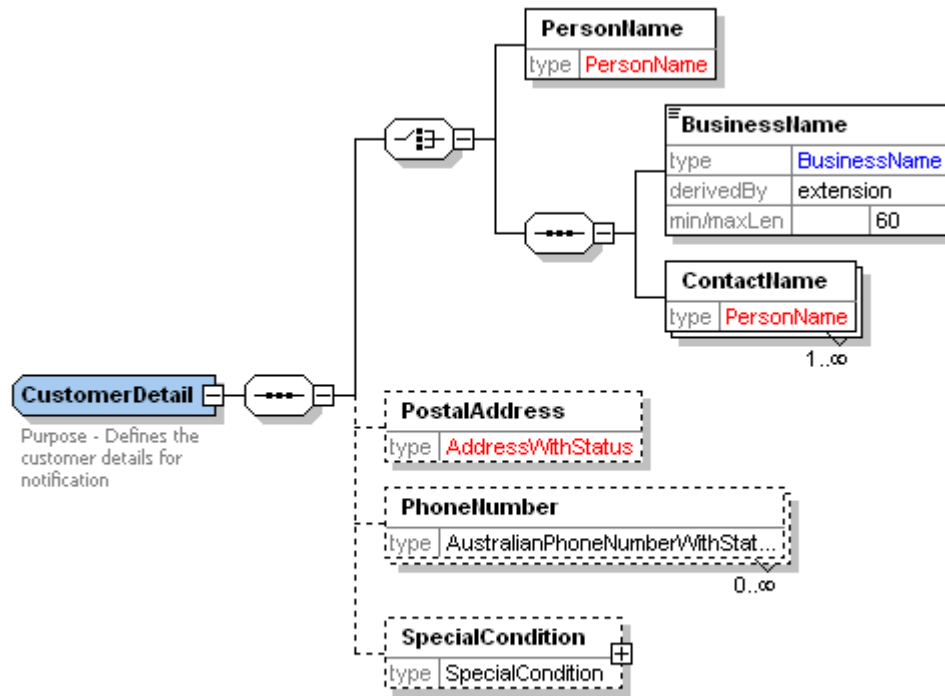


Figure31-CustomerDetail

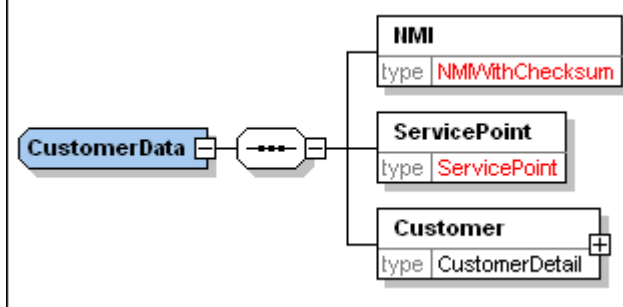


Figure32-CustomerData

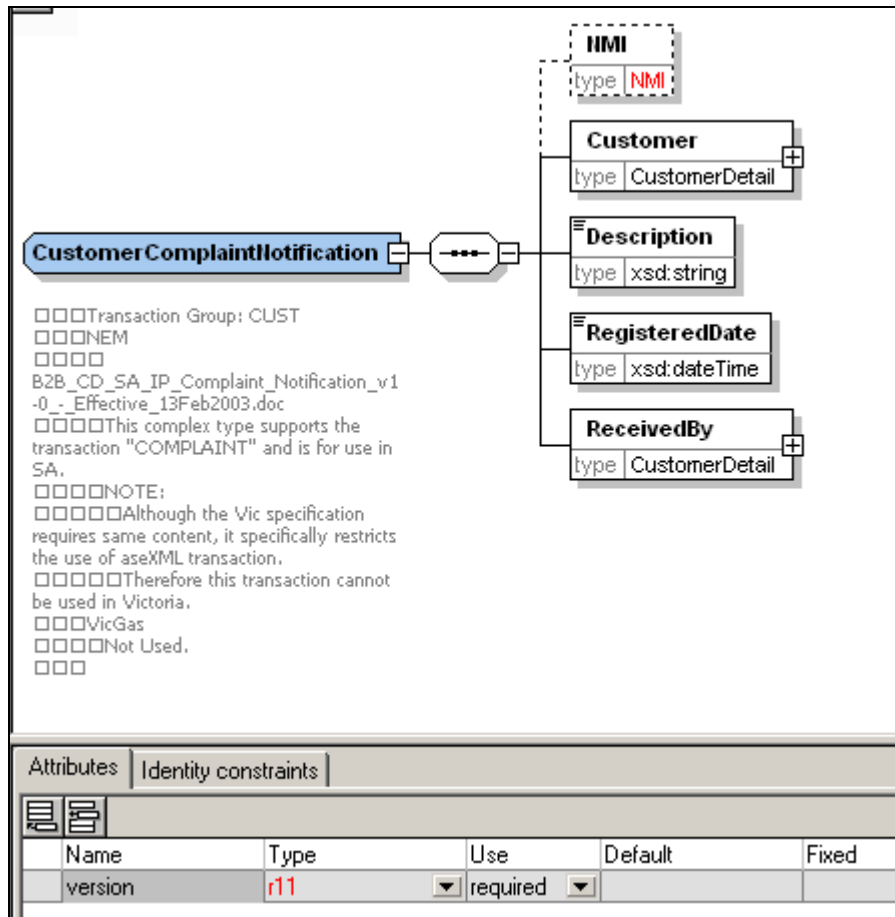


Figure35-CustomerComplaintNotification

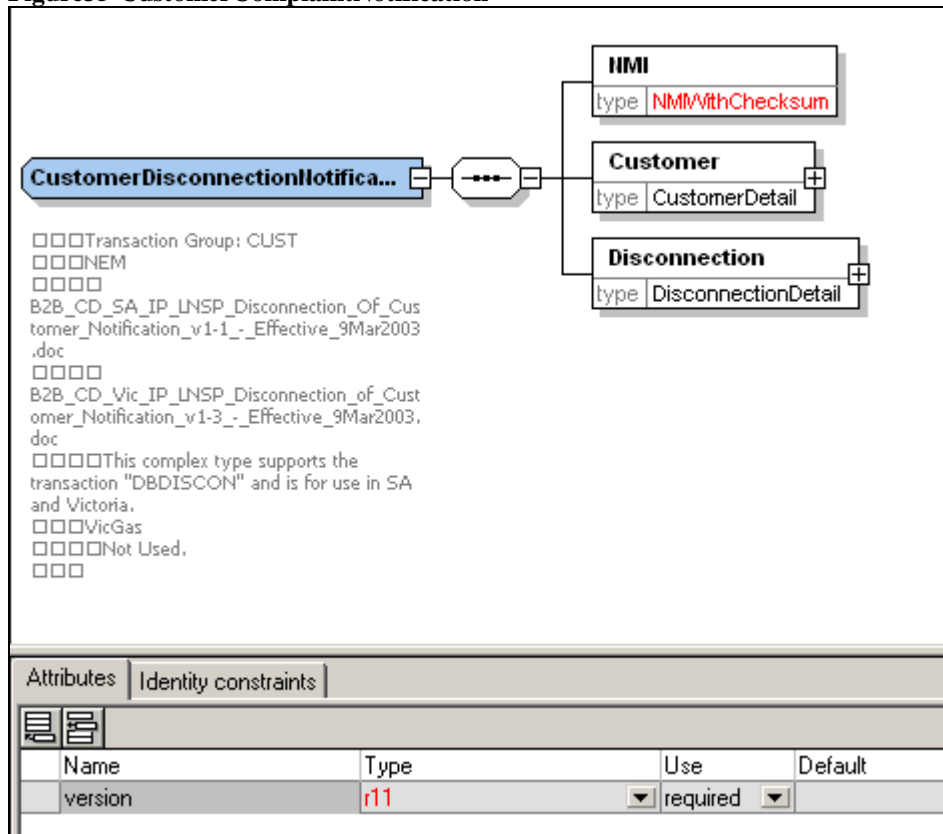


Figure36-CustomerDisconnectionNotification

2. MeterDataManagement_r11.xsd

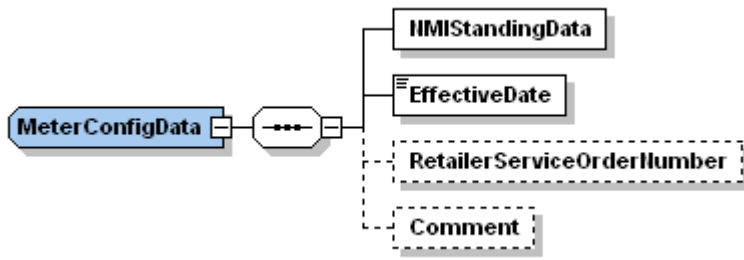


Figure37-MeterConfigData

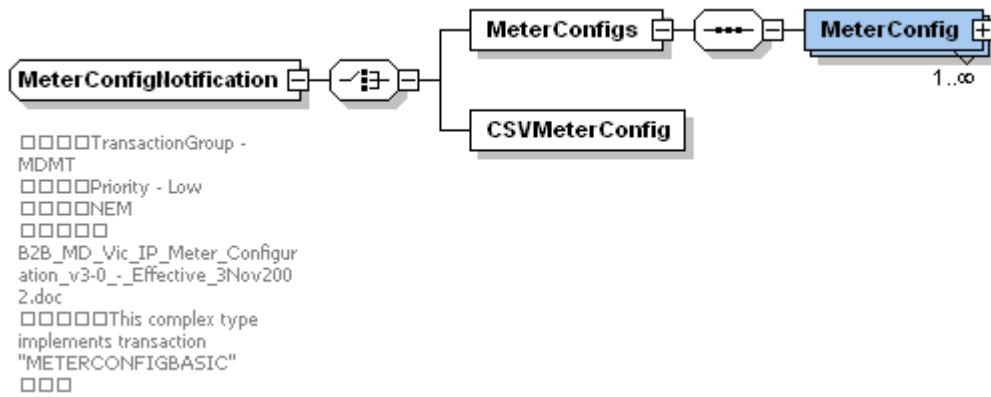


Figure38-MeterConfigNotification

3. NMIDataAccess_r11.xsd

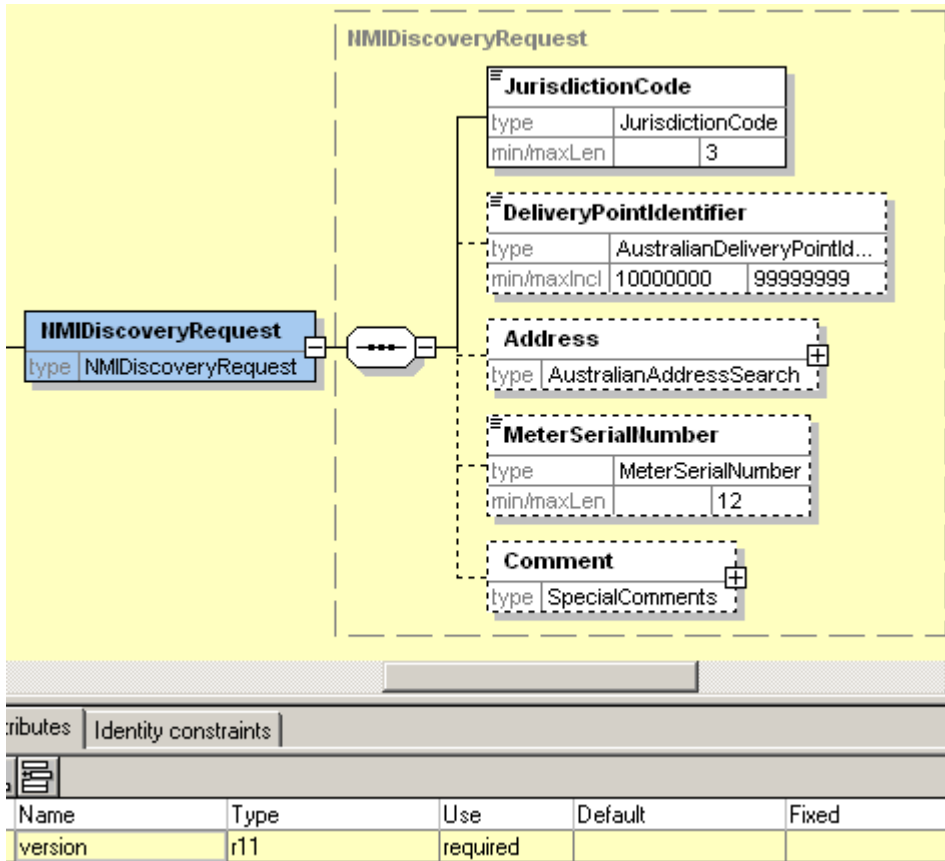


Figure39-NMIDiscoverFollowup

3.3 Modified simpleTypes:

The following figure shows the highlighted ServiceOrderType together with the added attribute in the context of complexType “ElectricityServiceOrderType”:

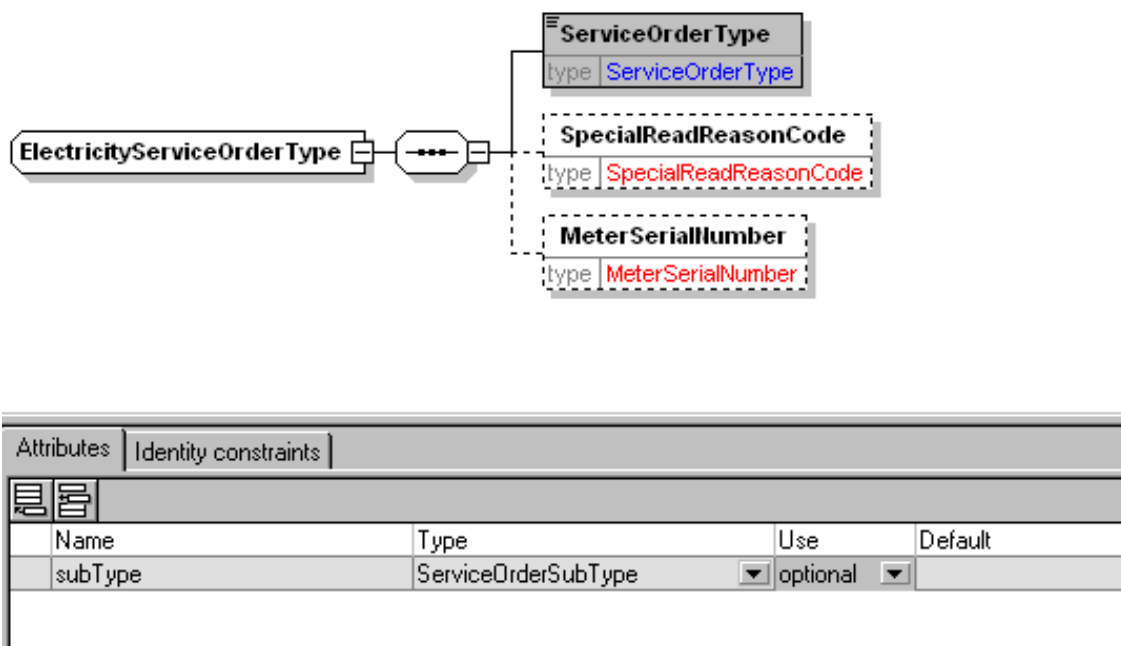


Figure40-Service order sub-type attribute

