

Schema Release Notes
AseXML Schema Working Group
Release r13

Document History

Version	Date	Authors	Comments
1.0	22/12/2003	Bhawna Kapoor	Initial draft

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1. Introduction

Version r13 of the schema is developed from r12. 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:

CR#	Description
10	Add the Network Outage Scheduler transactions.
11	Enhance the existing transactions to support SA/WA Retail Gas Market.
12	Enhance the existing transactions to support SA/WA Retail Gas Market.
13	Add transactions to support the Balancing Allocation and Reconciliation process in SA/WA Gas Market.
14	Add "Enumerations" file to maintain specified enumerations.

3. Schema Manifest

The table below shows all 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_r9.xsd			
aseXML_r13.xsd			X
BAR_r13	X		
BulkDataTool_r9			
CATSReports_r9.xsd			
CATSTableReplication_r12.xsd			
ClientInformation_r13.xsd			X
Common_r12.xsd			
CustomerDetails_r12.xsd			
CustomerTransfer_r12.xsd			
Electricity_r12.xsd			
Enumerations.xsd	X		
Events_r13.xsd			X
Faults_r12.xsd			
Gas_r13.xsd			X
Header_r13.xsd			X
MDMTRReport_r10.xsd			
MeterDataManagement_r11.xsd			
NetworkBilling_r13.xsd			X
NMIDataAccess_r12.xsd			
NOSBooking_r13	X		
NOSEquipment_r13	X		
Reports_r10.xsd			
ServiceOrder_r13.xsd			X
TableReplication_r10.xsd			
Transactions_r13			X
No of files added	4		
No of files removed		0	
No of files modified			8
Total No of files			26

4. File Change Summary

The section identifies and lists any changes between the various versions of the schema files and highlights any issues.

3.1 Acknowledgements

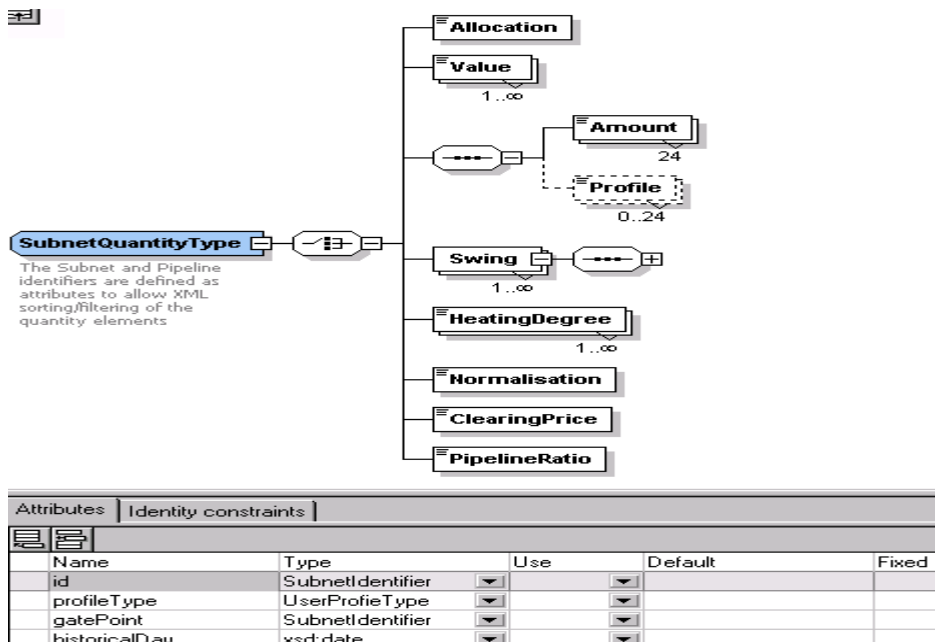
- No change

3.2 aseXML

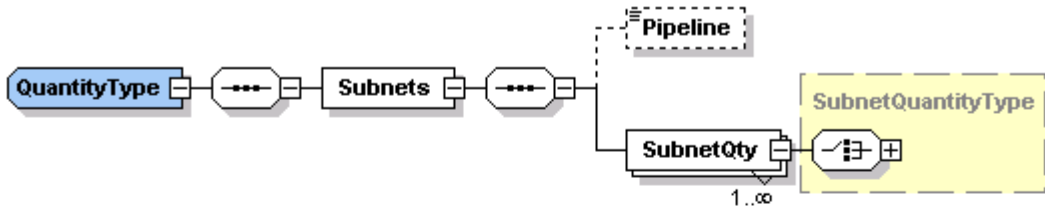
- Changed aseXML namespace to aseXML:r13
- Changed names of included files affected by r13

3.3 BAR

- Created a new file containing the definitions of the following simpleTypes and complexTypes:
 - Simple types:
 - AllocationType, UserProfileType, ShipperChargeType, EnergyQuantity, PipelineIdentifier, SubnetIdentifier, UsagePrecedenceType, SwingGasType, BidPriorityType, BidAllocationType, BidRejectionReasonType, Currency, NetSystemLoadQuantity.
 - Complex types:
 - AllocationQuantityType – It extends EnergyQuantity by adding a required attribute “type” and an optional attribute “usagePrecedence”.
 - NamedQuantityType - It extends EnergyQuantity by adding an optional attribute “name”.
 - HourlyQuantityType - It extends EnergyQuantity by adding a required attribute “hour”.
 - SubnetQuantityType

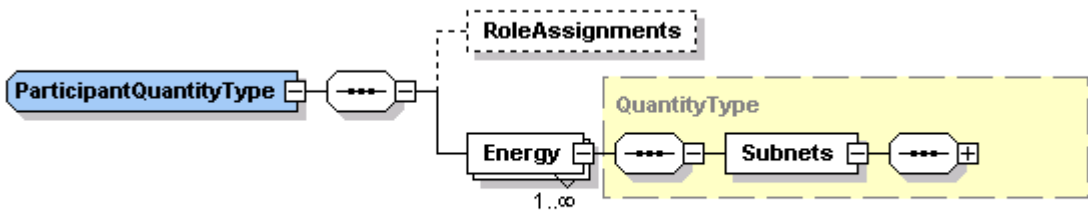


- 5. SwingGasQuantityType
- 6. HeatingDegreeType
- 7. NormalisationType
- 8. QuantityType

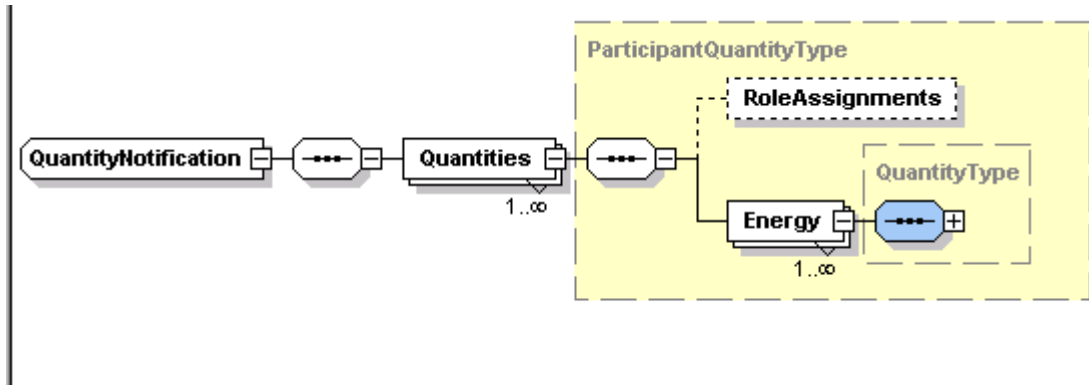


Attributes		Identity constraints			
Name	Type	Use	Default	Fixed	
gasDay	xsd:date				

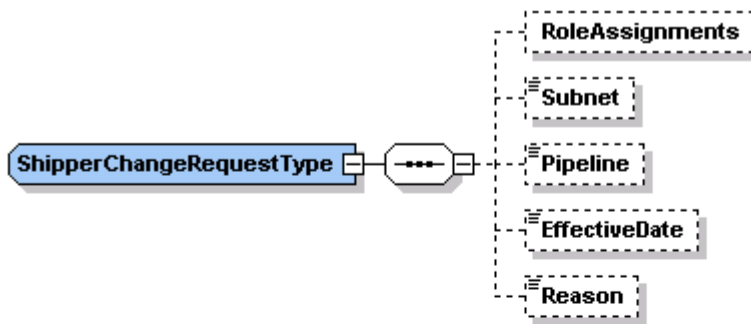
- 9. ParticipantQuantityType



- 10. QuantityNotification

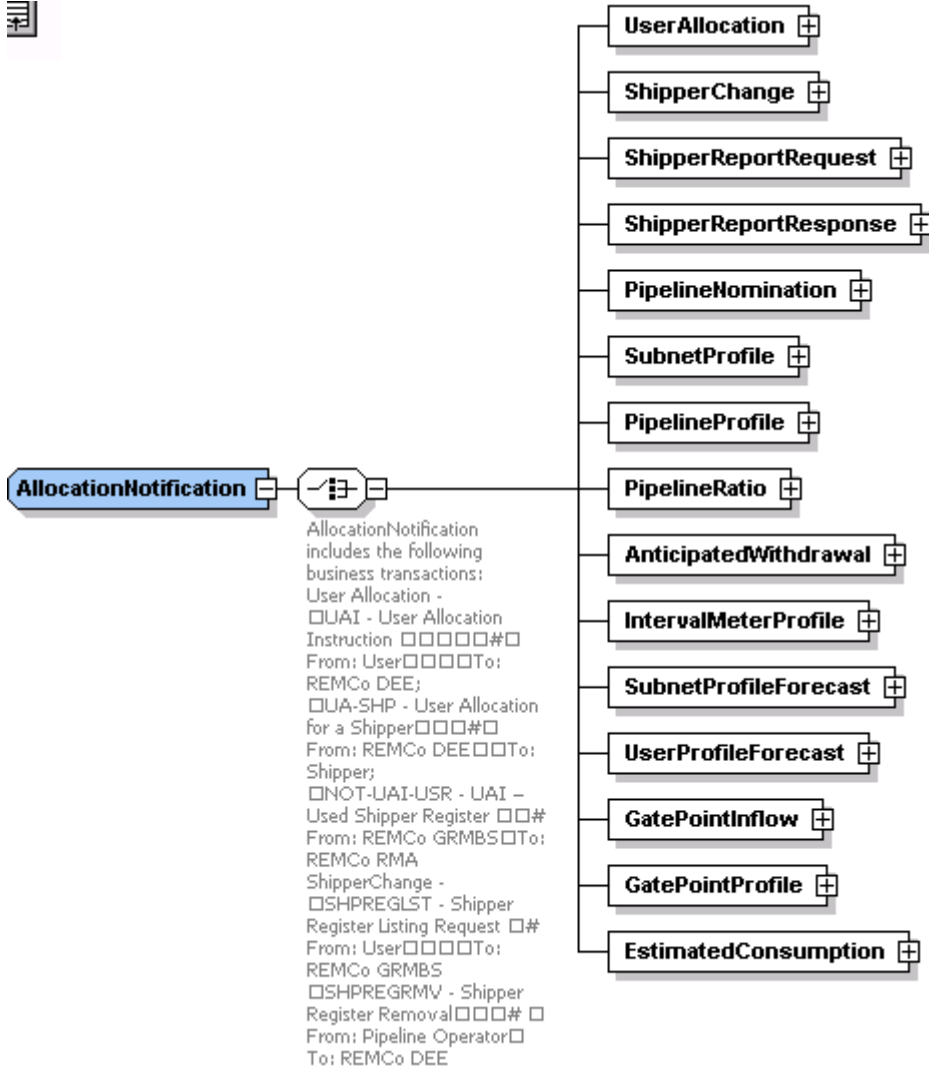


11. ShipperChangeRequestType

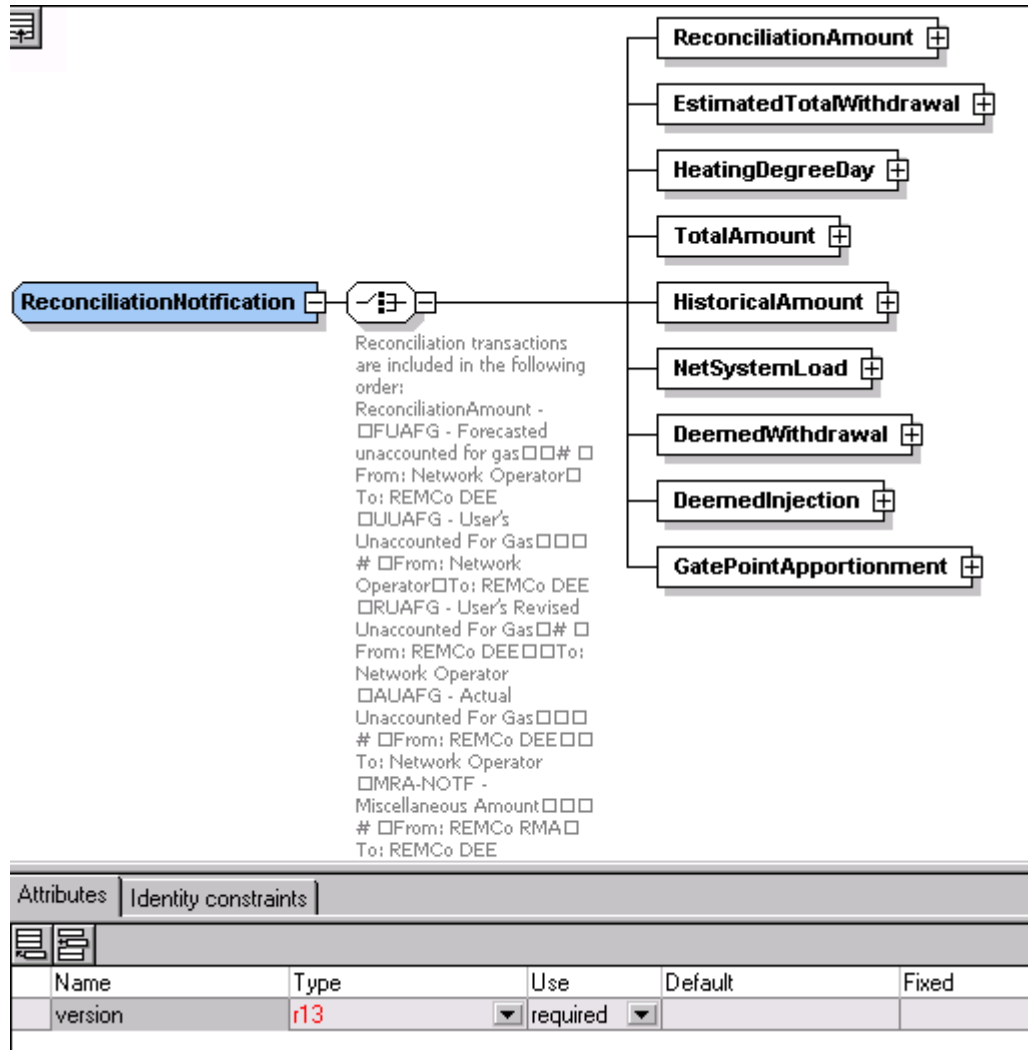


Attributes		Identity constraints			
Name	Type	Use	Default	Fixed	
type	ShipperChangeType				

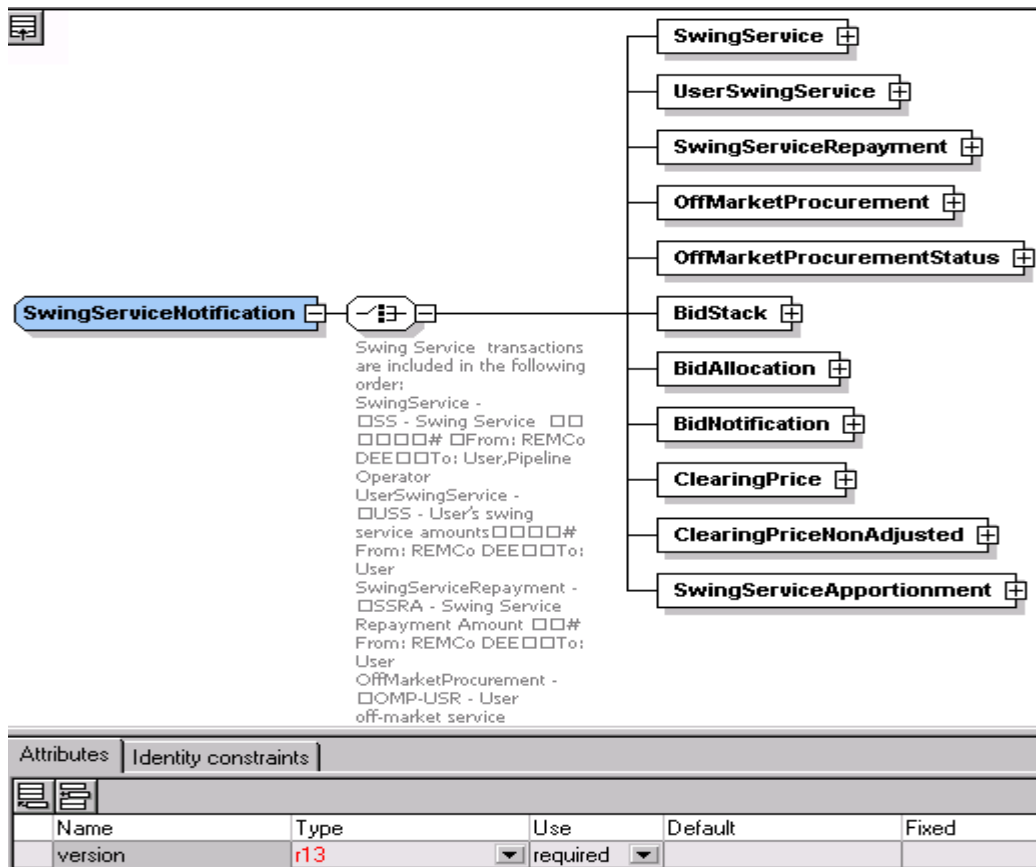
12. AllocationNotification



13. ReconciliationNotification



14. SwingServiceNotification



3.4 BulkDataTool

- No change

3.5 CATSReport

- No change

3.6 CATSTableReplication

- No change

3.7 ClientInformation

- Moved the following to Enumerations.xsd:
 - AustralianFlatOrUnitType
 - AustralianFloorOrLevelType
 - AustralianStreetType
 - AustralianStreetSuffix
 - AustralianPostalDeliveryType

3.8 Common

- No change.

3.9 CustomerDetails

- No change.

3.10 CustomerTransfer

- No change.

3.11 Electricity

- No change.

3.12 Enumerations

- It is a new file that contains enumerations for the following:
 - a. AustralianFlatOrUnitType
 - b. AustralianFloorOrLevelType
 - c. AustralianStreetType
 - d. AustralianStreetSuffix
 - e. AustralianPostalDeliveryType

Note: Enumerations.xsd will not have a release identifier in the name so that this file can be approved, modified and released outside of the schema release process. Because of the potential dynamic nature of this file it will not be a part of the schema release instead it will be maintained independently. Participants will have to replace this file once the new enumerations have been approved and released.

3.13 Events

- Added type for release r13

3.14 Faults

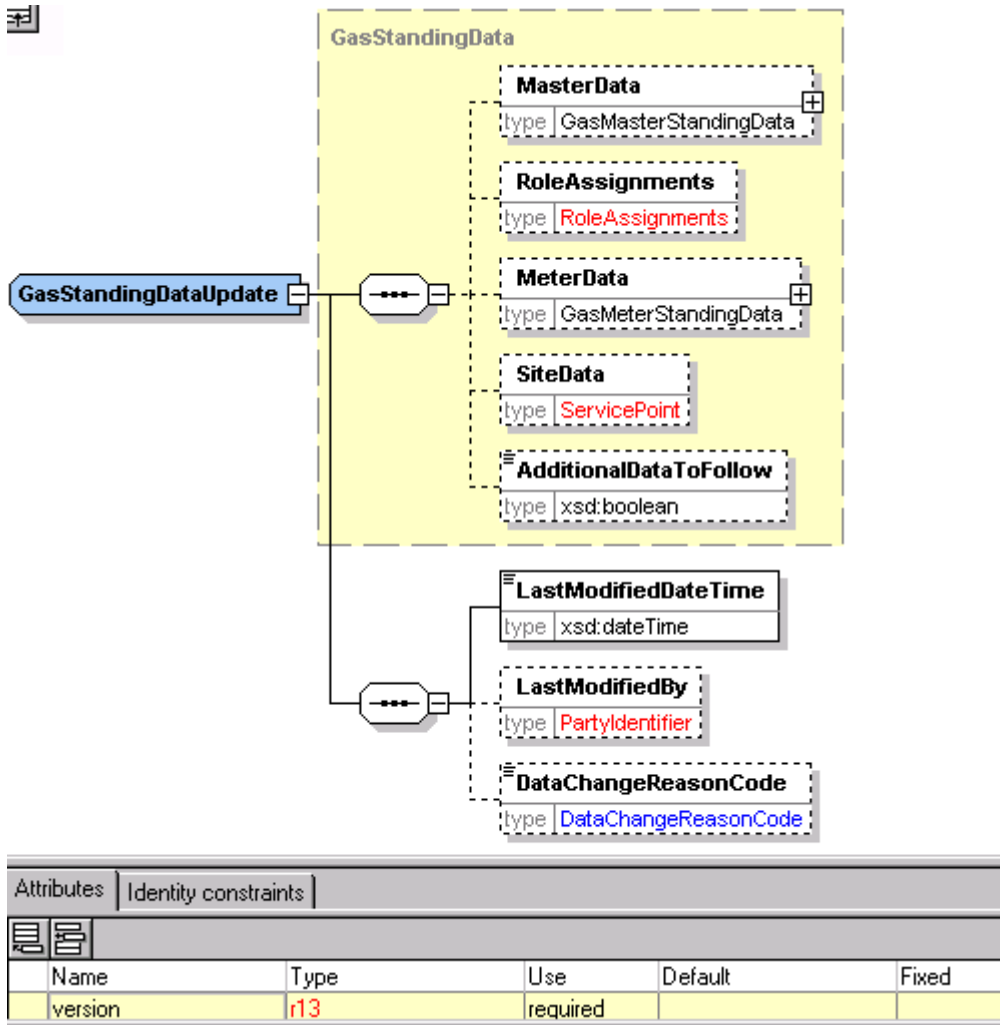
- No change

3.15 Gas

- Modified the complexType GasMasterStandingData:
 - a. Added an optional element MIRNCommissionedDate
 - b. Added an optional element SmallUseCustomer
 - c. Added an optional element AnticipatedAnnualConsumption



- Modified the complexType GasStandingDataUpdate:
 - a. Added an optional element LastModifiedBy
 - b. Added an optional element DataChangeReasonCode



- Defined a new enumerated list DataChangeReasonCode.
- Updated the version attribute of GasStandingDataUpdate, GasStandingData, MeterFix and MIRNStatusUpdate to r13.
- Extended the list of enumerations for the simpleType DistributionTariff, JobEnquiryCode and TypeOfRead.

Note: DistributionTariff, JobEnquiryCode and TypeOfRead are used in VIC Gas transactions thus business validations in the application may need to be added.

- Updated the version attribute of GasMeterVerifyRequestData, GasMeterVerifyResponseData and GasServiceOrderNotificationData to r13. This modification is the result of change in the values of TypeOfRead.
- Updated the version attribute of GasServiceOrderType to r13. This modification is the result of change in the values of JobEnquiryCode.

3.16 Header

- Added two new transaction groups: OUTG and BAR.

3.17 MDMTReport

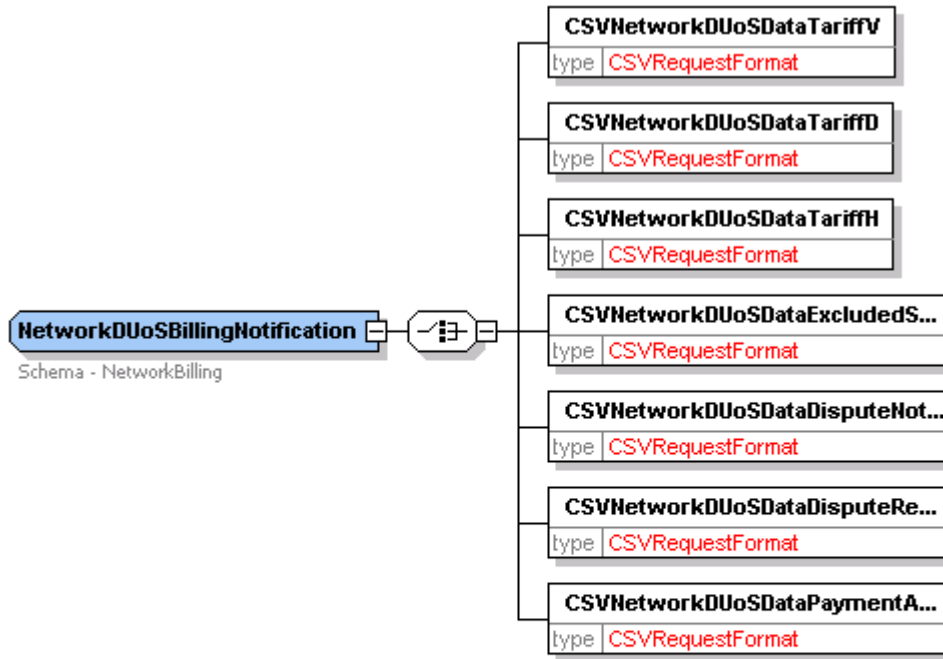
- No change.

3.18 MeterDataManagement

- No change.

3.19 NetworkBilling

- Updated the NetworkDUoSBillingNotification to include a new element CSVNetworkDUoSDataTariffH.



Attributes		Identity constraints			
Name	Type	Use	Default	Fixed	
version	r13	required			

- Updated the version attribute on NetworkDUoSBillingNotification to r13.

3.20 NMIDataAccess

- No change.

3.21 NOSBooking

- Added transaction NOSBookingRequest.
- Multiple bookings can be submitted in one transaction. The booking consists of:
 - booking details
 - outage details
 - network elements
 - optional notes
- The same transaction can be used to modify an existing booking and to withdraw the booking. The transaction mode of operation is defined by operationType attribute. The operation type can be: 'Submit', 'Resubmit' and 'Withdraw'.

- Each outage booking may have multiple outages, outage equipment and the multiple sets of notes.
- Identity constraint on CompanyBookingId prevents submission of the duplicate bookings.
- Identity constraint on the CompanyOutageId ensures unique outages relative to booking.
- Identity constraint on the CompanyElementId ensures unique network elements (equipment) relative to the booking.
- Identity constraint on the CompanyNoteId ensures unique notes relative to booking or outage.
- The BookingRequest transaction has the following form:

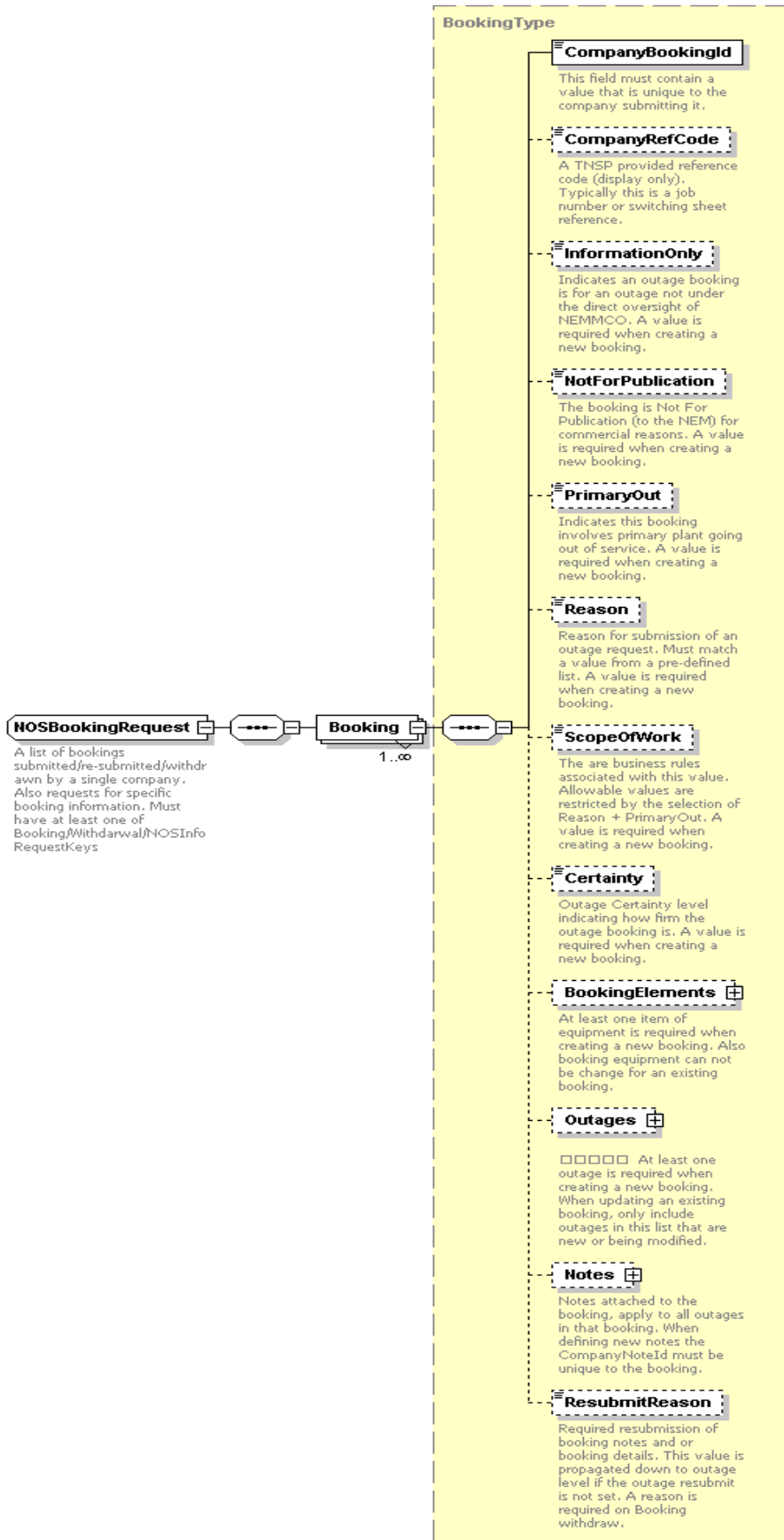


Fig. 3.19.1 NOS Booking Submission transaction

- Outages are represented using the OutageType:

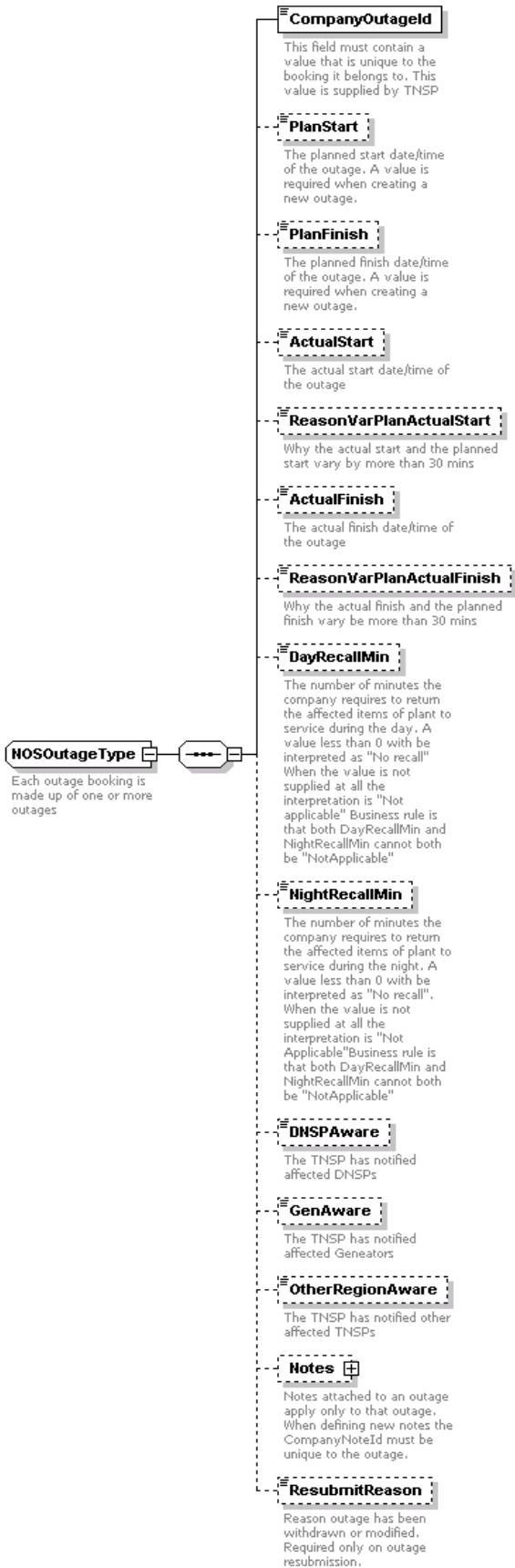


Fig. 3.19.2 NOS Outage Type

- The outage equipment is described by the BookingElementType:

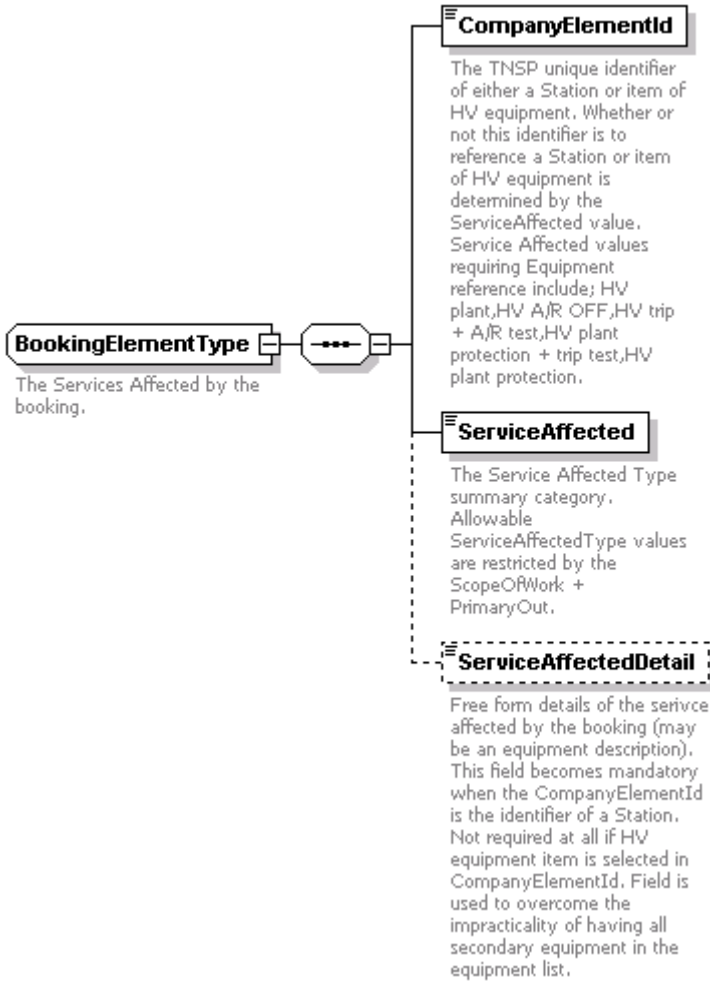


Fig 3.19.3 Booking element type

- The booking and the outage in the booking can have the notes attached. The note has the following form:

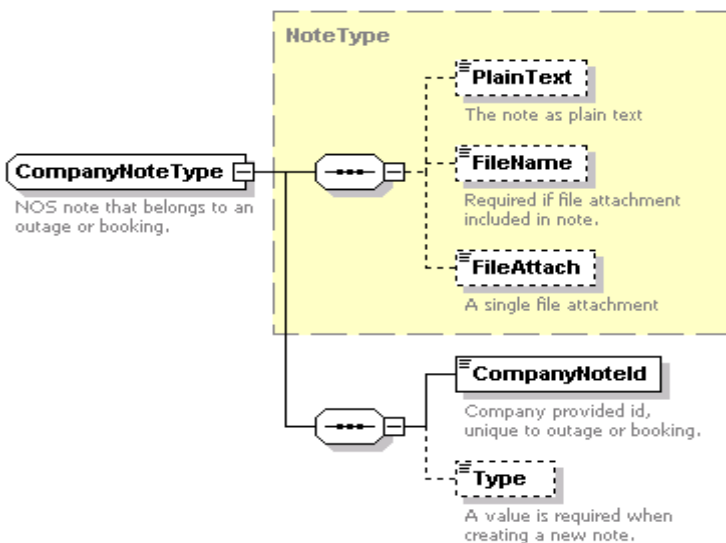


Fig. 3.19.4 Company Note Type

3.22 NOSEquipment

- Transaction NOSEquipmentSubmission added
- The transaction allows user to submit data for the new power stations and various types of equipment: lines, transformers, generators, synchronous var compensators and others. The same transaction can be used to modify an existing equipment. The transaction mode of operation is defined by operationType attribute. The operation type can be: 'Submit', 'Resubmit'.
- Multiple equipment of the same or different types can be submitted in one transaction. The identity constraint on the CompanyElementId prevents submission of duplicated equipment. The transaction has the following form:

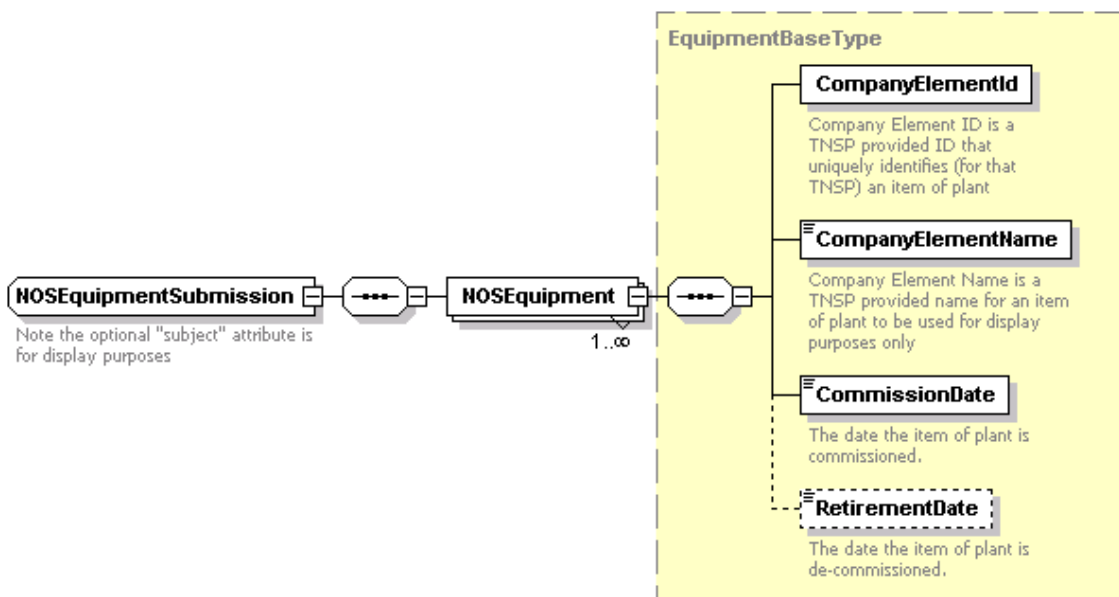


Fig 3.20.1 NOS Equipment Submission transaction

- The EquipmentBaseType is used to represent Stations.
- The NOSEquipmentType is derived from the EquipmentBaseType and represents the set of common components of all the NOS equipment. This type is used for NOSBreakingResistorType, NOSBusType, NOSCapacityType, NOSCircuitBreakerType, NOSIsolatorType, NOSLoadType, NOSReactorType, NOSStaticVarCompensatorType, NOSSynchronousCondenserType and NOSUnitType.

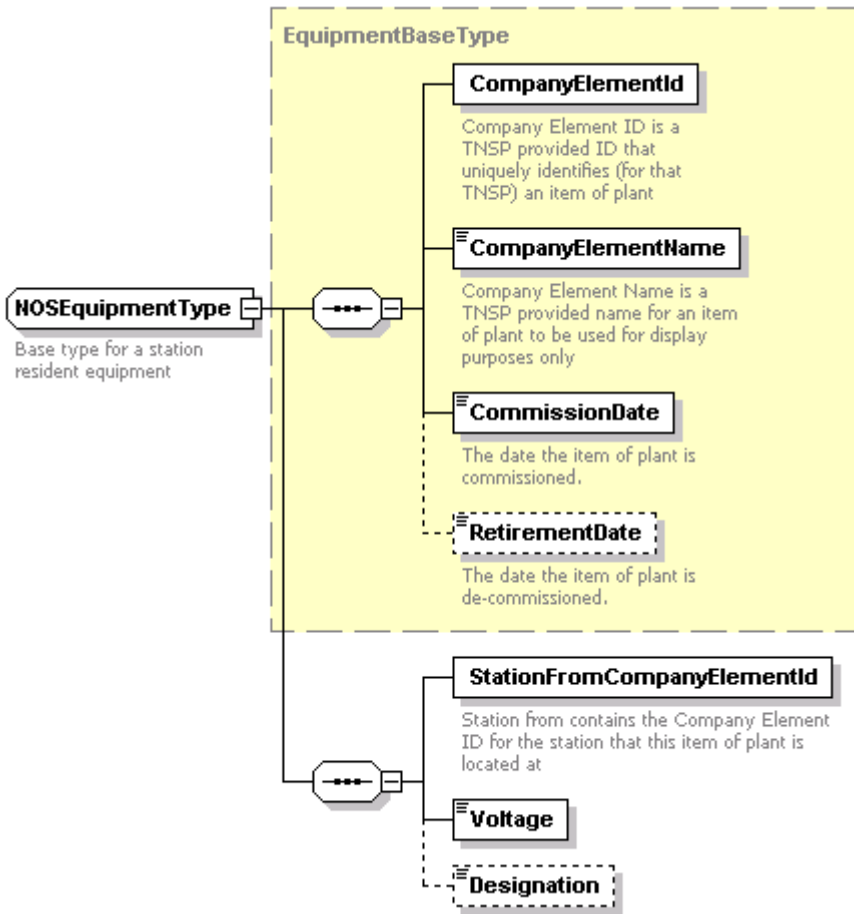


Fig. 3.20.2 NOS Equipment Type

- NOSLineType is derived from the NOSEquipmentType and has the following form:

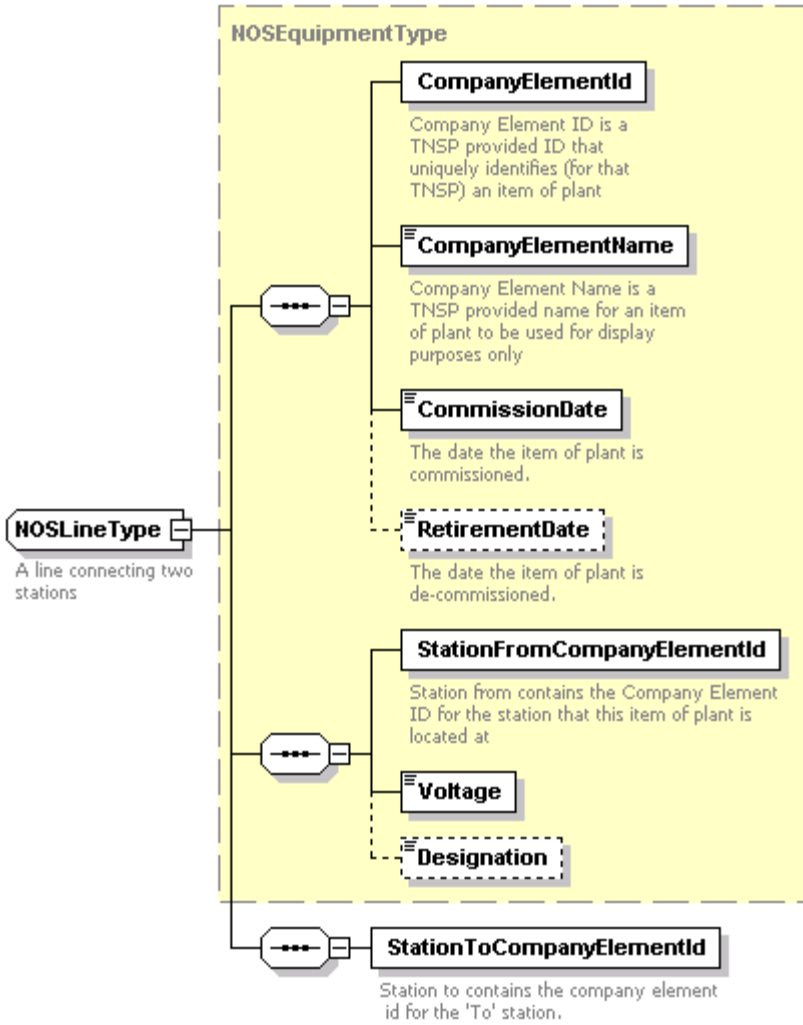


Fig. 3.20.3 NOS Line Type

- NOSTeeLineType is derived from NOSLineType and has the following form:

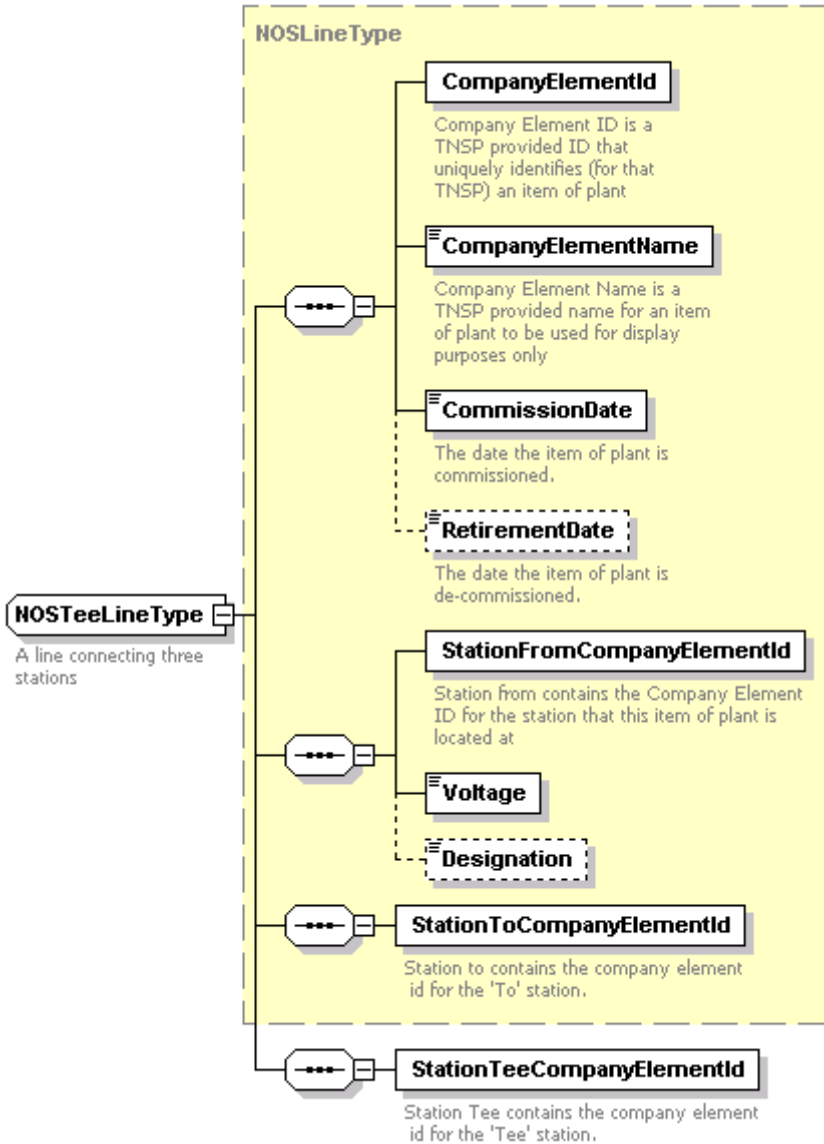


Fig. 3.20.4 NOS Tee Line Type

- NOSTwoWindingTransformerType is derived from the NOSEquipmentType and it has the following structure:

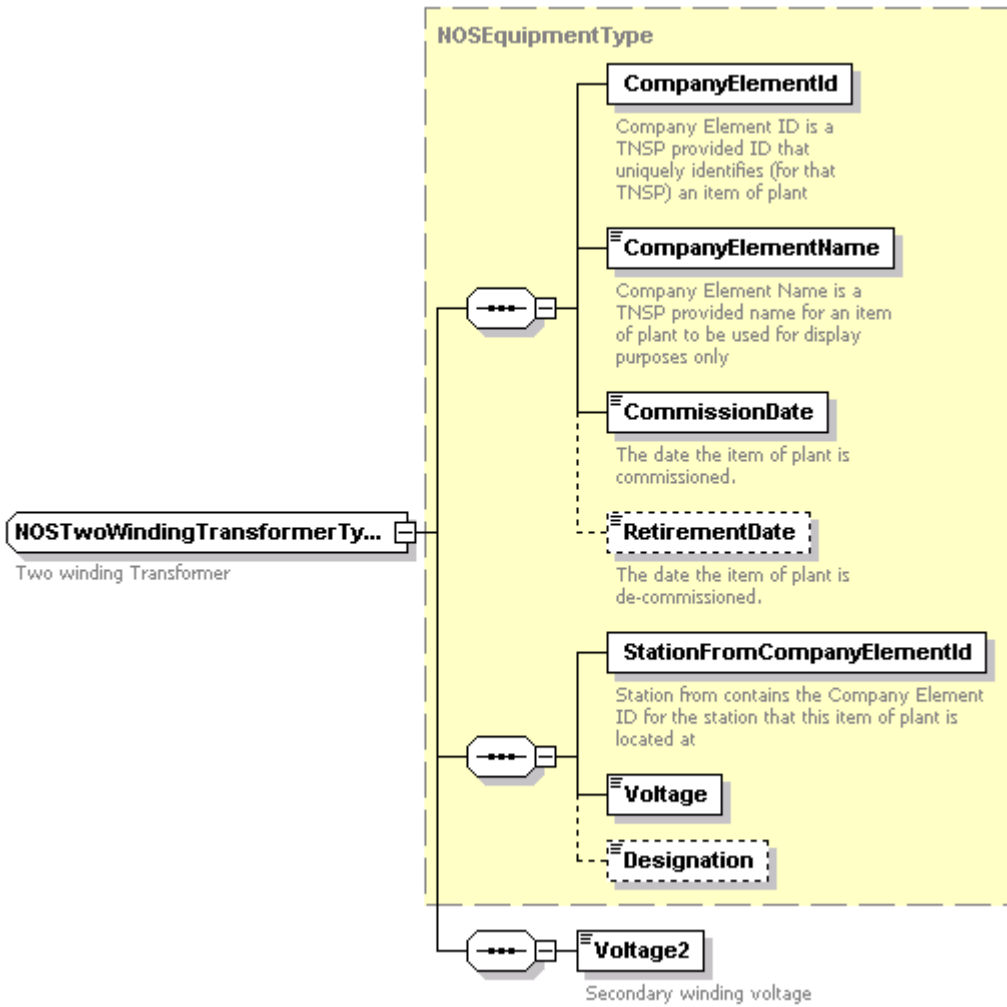


Fig. 3.20.5 NOS Two winding transformers type

- NOSThreeWindingTransformerType is derived from the NOSTwoWindingTransformerType and has the following structure:

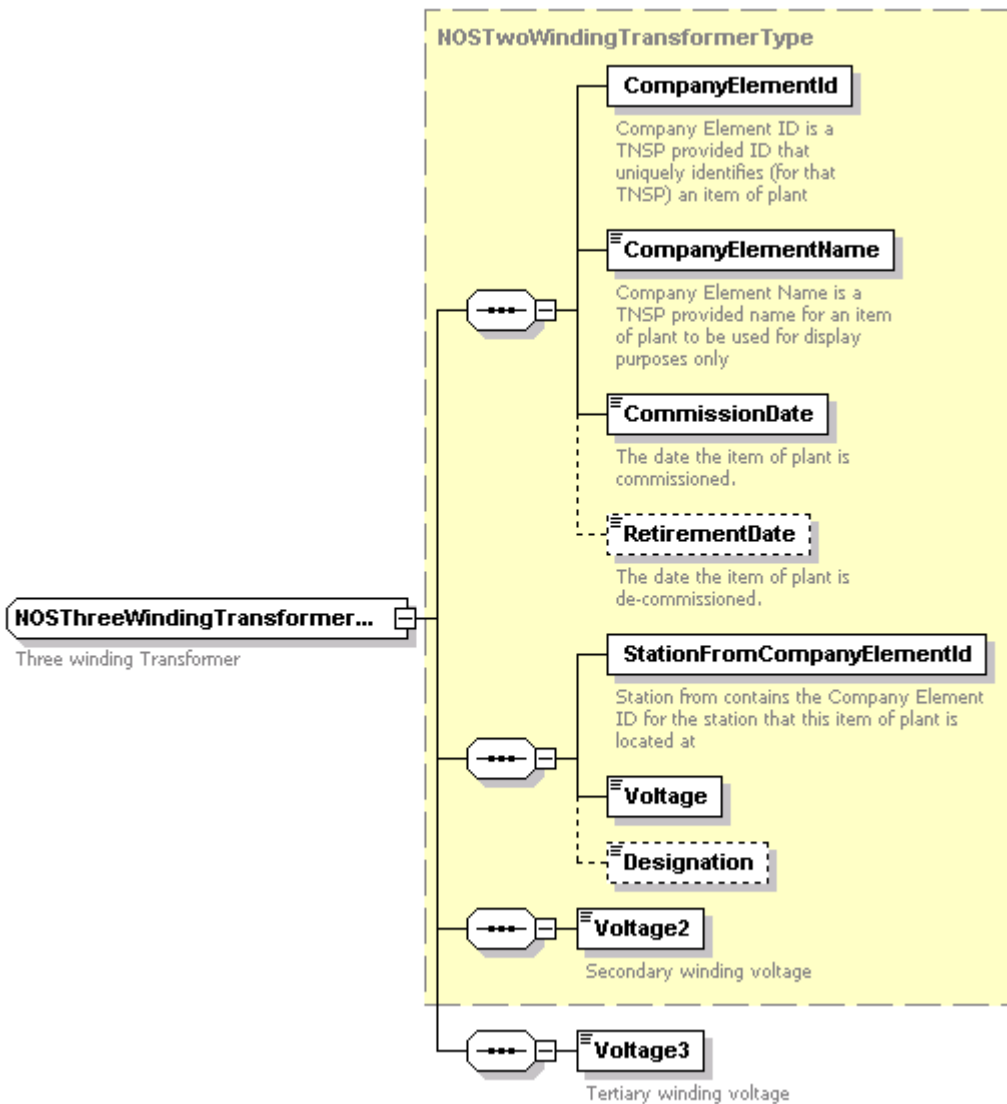


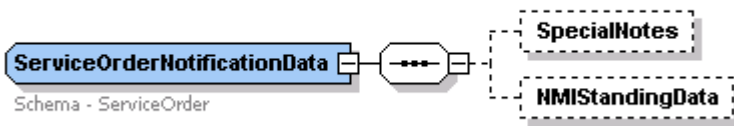
Fig. 3.20.6 NOS Three winding transformers type

3.23 Reports

- No change

3.24 ServiceOrder

- Added NMISstandingData abstract type to ServiceOrderNotificationData complex type.



- Updated the version of ServiceOrderNotification to r13.

3.25 TableReplication

- No change

3.26 Transactions

- Added following new transactions:
 - a. NOSBookingRequest
 - b. NOSEquipmentSubmission
 - c. AllocationNotification
 - d. ReconciliationNotification
 - e. SwingServiceNotification

5. Disclaimer

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