

Capacity Allocation - Capacity Curtailment

Model Documentation



The European message format for the gas market

Version 6.1

Document Version: 2
Schema Version: 1

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1 Model Detail

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2 Capacity Curtailment Document usage decision table

The following decision table provides a summary of the message requirements depending on the type of message:

Capacity Curtailment	Changed Capacity (Curtailment)	Total Available Capacity
identification	Mandatory.	
version	Mandatory.	
documentCode	12G = Changed capacity	AMG = Total available capacity
creationDateTime	Mandatory.	
validityPeriod	Mandatory.	
issuer_MarketParticipant.identification	Mandatory; codingScheme = 305 (EIC Party X Code).	
issuer_MarketParticipant.marketRole.roleCode	ZSO = System Operator	
recipient_MarketParticipant.identification	Mandatory; codingScheme = 305 (EIC Party X Code).	
recipient_MarketParticipant.marketRole.roleCode	ZUV = Capacity Responsible Party ZSO = System Operator	ZUV = Capacity Responsible Party ZSO = System Operator
ConnectionPoint.identification	Mandatory; codingScheme 305 (EIC Measurement Point Z or Y code) or ZSO.	
ConnectionPoint.measureUnit.unitOfMeasureCode	KW1 = Kilowatt-hour per hour (kWh/h) KW2 = Kilowatt-hour per day (kWh/d)	
Availability.availabilityCode	Mandatory. Z06 = Firm Z05 = Interruptible	
Account.internalAccount	May be used; if specific accounts are identified; codingScheme = 305 (EIC Account Y code) or ZSO	Not used
Account.internalAccountTso	Used if the account identification is ambiguous; codingScheme = 305 (EIC Party X code).	Not used
Period.timeInterval	Mandatory.	
Period.direction.gasDirectionCode	Z02 = Input quantity. Z03 = Output quantity	
Period.quantity.amount	Mandatory.	
Period.reasonForChange_Status.statusCode	23G = Unplanned unavailability. 22G = Planned unavailability.	Not used

3 Capacity Curtailment

3.1 Business Process

3.1.1 Capacity Curtailment Document Use

In specific cases capacity may require to be curtailed. This is handled with flows 1 and 2. Such a case may happen at any time. In some cases the Capacity Responsible Party may decide that it is necessary to re-nominate.

3.1.1.1 Capacity Curtailment Sequence

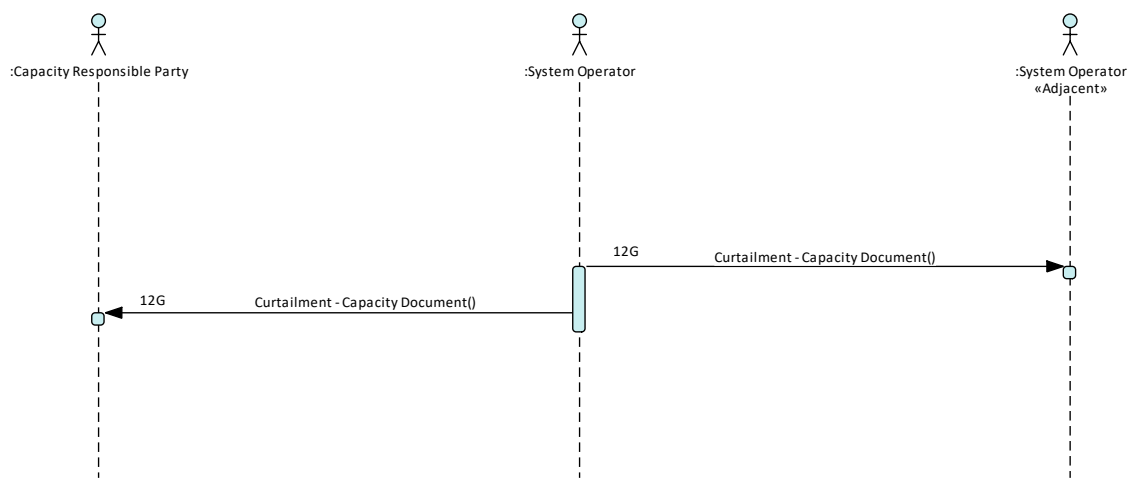


Figure: 1 Capacity Curtailment Sequence

3.1.1.2 Curtailment Workflow

A System Operator can inform Capacity Responsible Party's and the adjacent System Operators of a change of capacity due to curtailment. It can occur at any time.

The process starts whenever a System Operator determines a necessity to curtail proposed capacity due to some network security or network constraint.

The System Operator immediately informs the Capacity Responsible Party's and adjacent System Operators of the revised capacity. The receiving parties acknowledge receipt of the change which terminates the process.

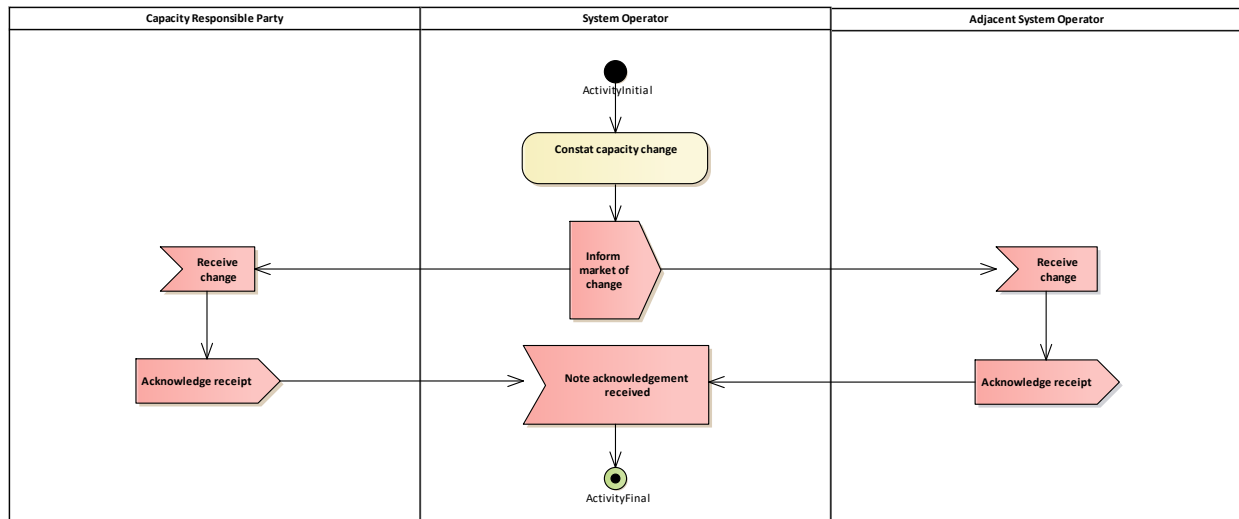


Figure: 2 Curtailment workflow

3.2 Capacity Curtailment (CAPCUR)

3.2.1 Capacity Curtailment Contextual Model

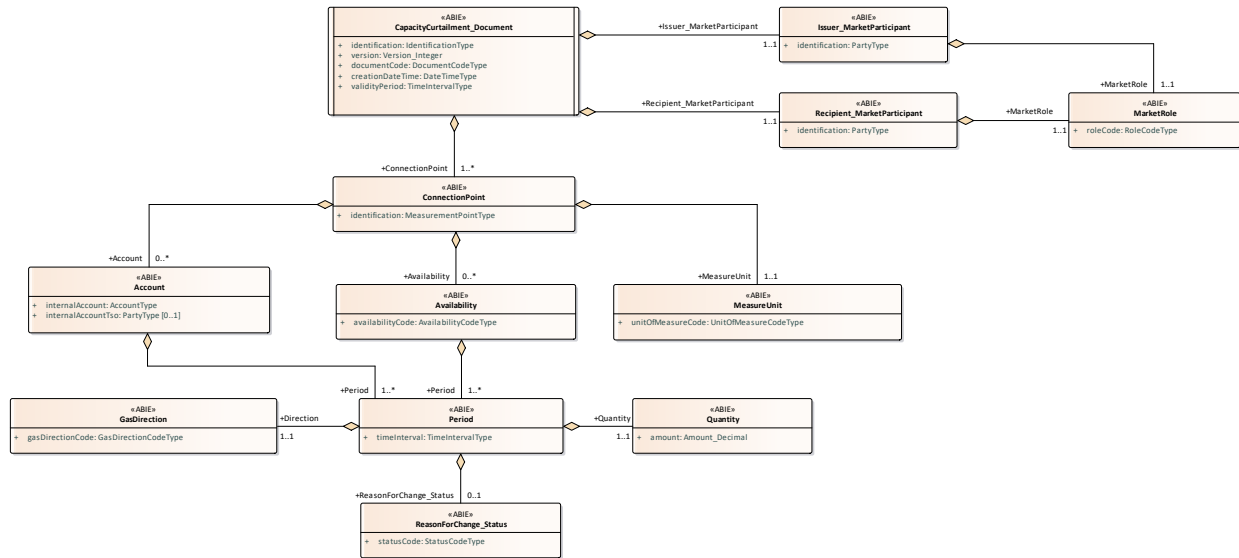


Figure: 3 **Capacity Curtailment Contextual Model**

3.2.2 Capacity Curtailment Assembly Model

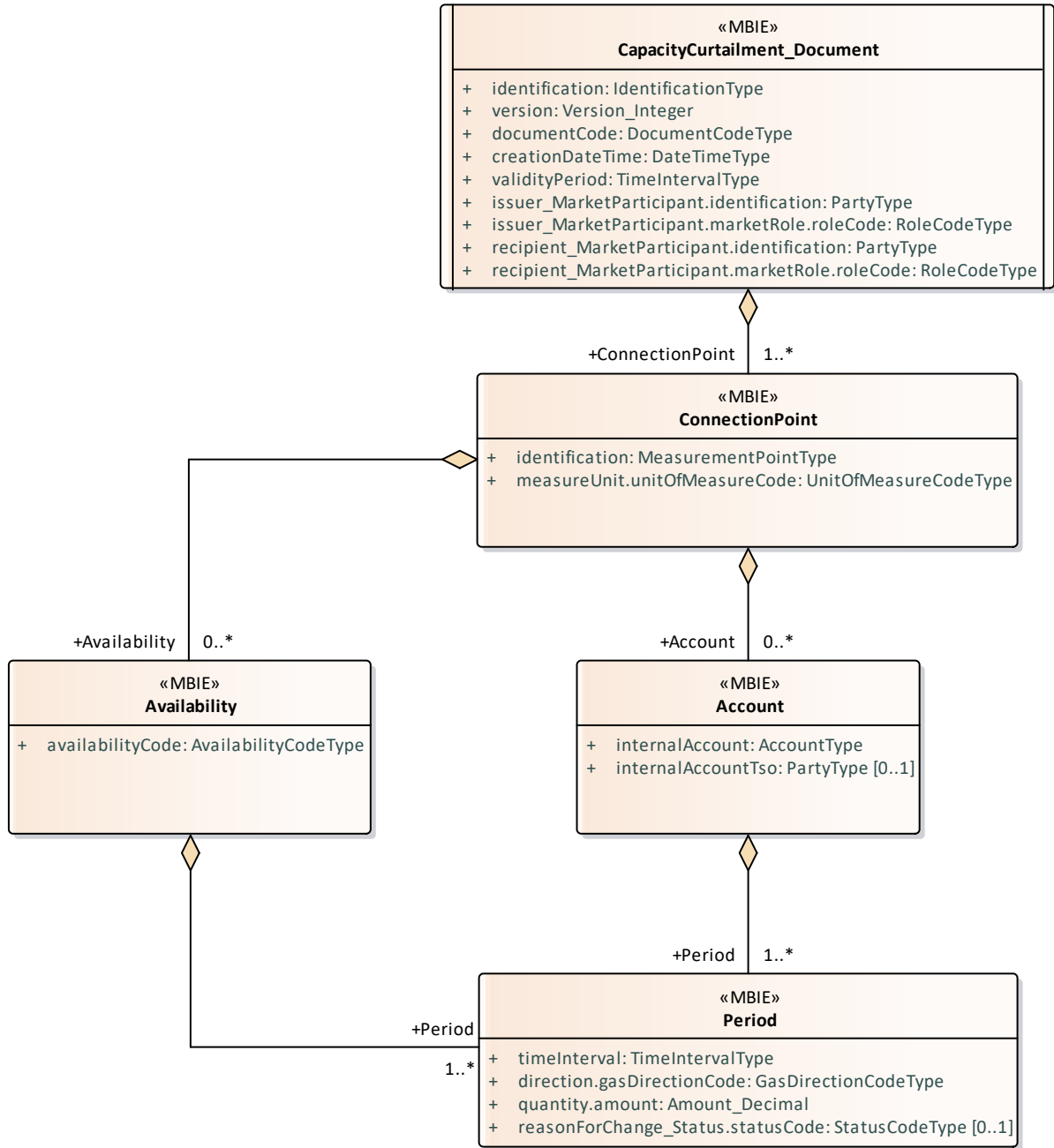


Figure: 4 **Capacity Curtailment Assembly Model**

3.2.2.1 CapacityCurtailment_Document

This class provides the basic information needed to describe most electronic documents.

A Capacity Curtailment Document is used to provide commercial capacity information or during the transport phase of the nomination process by a System Operator to inform a Capacity Responsible Party and the counter System Operator of a change in capacity which may require nominations that have already taken place to be re-nominated.

3.2.2.1.1 Attributes

Attribute	Description	Multiplicity
identification	A unique identification of a document that is assigned by the issuer. This identifies the document being reported.	
version	Version of the document being sent.	
documentCode	Coded representation of the type of the electronic document. (Refer to the Edig@s DocumentCodeTypeCodeList for the list of valid codes).	
creationDateTime	Date and time of the creation of the current document expressed in UTC.	
validityPeriod	The start and end date and time expressed in UTC of the period of validity covered in the document.	
issuer_MarketParticipant.identification	A code identifying the role played by a market participant in the market. --- The issuer of the document	
issuer_MarketParticipant.marketRoleCode	A code identifying the role played by a market participant in the market. (Refer to the Edig@s RoleCodeTypeCodeList for the list of valid codes). --- The issuer of the document --- The role of the issuer.	
recipient_MarketParticipant.identification	The identification of the party participating in the market. --- The recipient of the document.	
recipient_MarketParticipant.marketRoleCode	A code identifying the role played by a market participant in the market. (Refer to the Edig@s RoleCodeTypeCodeList for the list of valid codes). --- The recipient of the document. --- The role of the recipient.	

3.2.2.2 ConnectionPoint

There may be one to many connection points in a Capacity Curtailment Document.

3.2.2.2.1 Attributes

Attribute	Description	Multiplicity
identification	The identification of a connection point.	
measureUnit.unitOfMeasureCode	The coded representation of a unit of measure using the UN/CEFACT Recommendation 20 common codes. (Refer to the Edig@s UnitOfMeasureCodeTypeCodeList for the list of valid codes).	

3.2.2.3 Account

This class only exists in the case of curtailment.

3.2.2.3.1 Attributes

Attribute	Description	Multiplicity
internalAccount	The identification of the internal account that is defined by the transmitting System Operator.	
internalAccountTso	The identification of the TSO that assigned the internal account	[0..1]

3.2.2.4 Availability

The identification of the nature of the availability of a product.

This class shall never be used in the case of curtailment except in the case of a System Operator to System Operator exchange.

3.2.2.4.1 Attributes

Attribute	Description	Multiplicity
availabilityCode	A code identifying the nature of the availability of a product (interruptible, firm, etc). (Refer to the Edig@s AvailabilityCodeTypeCodeList for the list of valid codes).	

3.2.2.5 Period

There must always be at least one Period class.

3.2.2.5.1 Attributes

Attribute	Description	Multiplicity
timeInterval	The start and end date and time expressed in UTC of the time interval of the period in question.	
direction.gasDirectionCode	A code identifying the direction of a gas flow. (Refer to the Edig@s GasDirectionCodeTypeCodeList for the list of valid codes).	
quantity.amount	The amount of a quantity. This is the new reduced capacity amount.	
reasonForChange_Status.statusCode	A code providing the status of an object. (Refer to the Edig@s StatusCodeTypeCodeList for the list of valid codes).	[0..1]

4 Document Change Log

4.1 Version

4.1.1 Attributes

Attribute	Description	Multiplicity
Version 1 2020-06-29	Initial release	
Version 2 2021-04-26	Release 6.1 Corrected decision table for status code attribute, to unplanned and planned unavailability instead of availability.	