Version 1.0 DVGW (DE)

Stand 01.10.2017

basierend auf EASEE-Gas/EDIG@S Version 5.1, Document Version 3

DVGW -Nachrichtenbeschreibung

CAPDOC

zur Übermittlung von Kapazitätsänderungen

Herausgegeben vom

DVGW

Deutscher Verein des Gas- und Wasserfaches e.V.
- Technisch-wissenschaftlicher Verein -
Bonn

SECTION

I Capacity Trading Process

CAPDOC

Version 5.1

Document Version: 3

Version 1.0 (DE)

Publication: 2017 October 1st

EASEE-gas / Edig@s Workgroup

Unique version with local restricted codelists of the german gas market. Additional codes and explanations are highlighted.

Provided by the DVGW

11 CONTEXTUAL MODEL FOR THE CAPACITY DOCUMENT (CAPDOC)

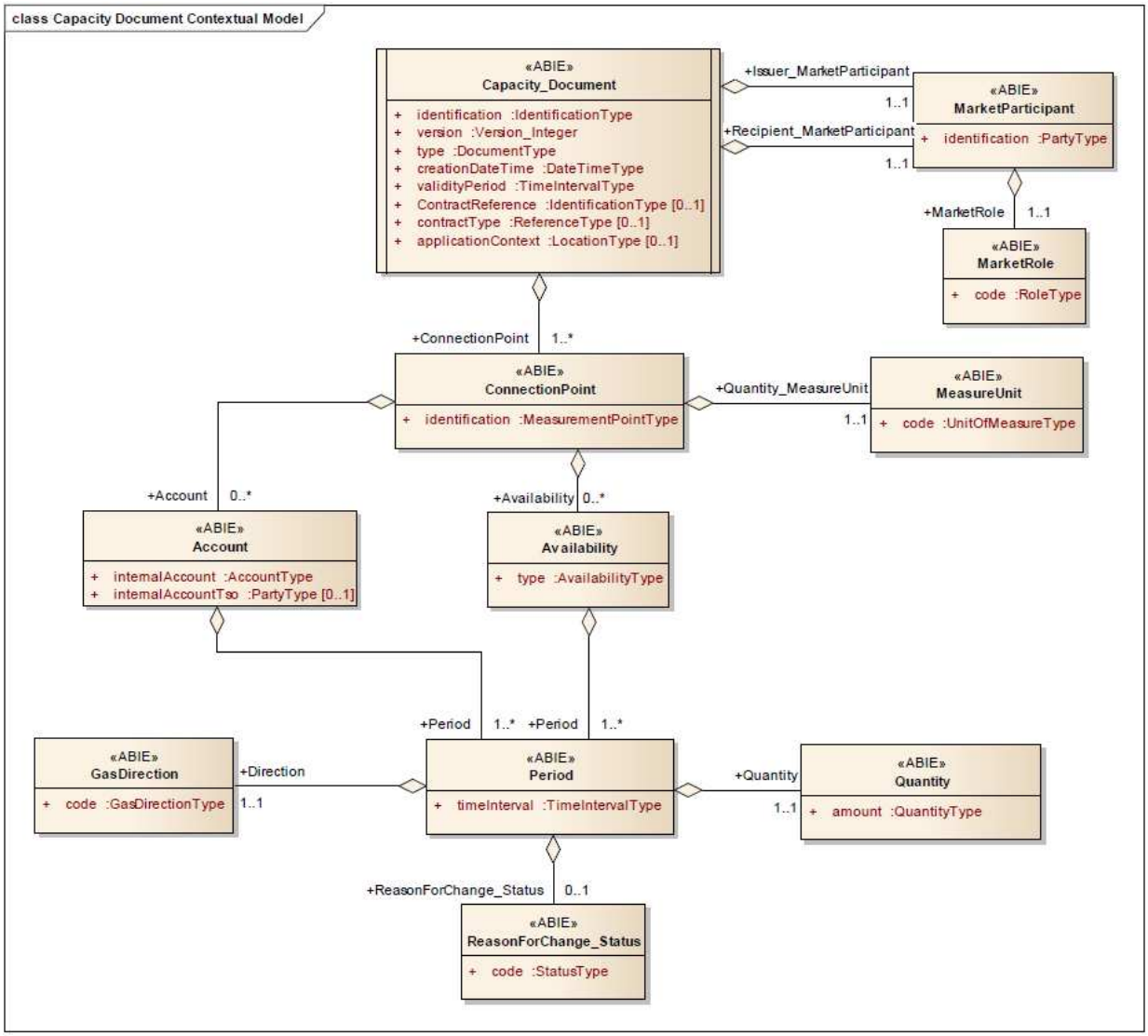

FIGURE 19: CAPACITY DOCUMENT CONTEXTUAL MODEL

11.1 Information structure

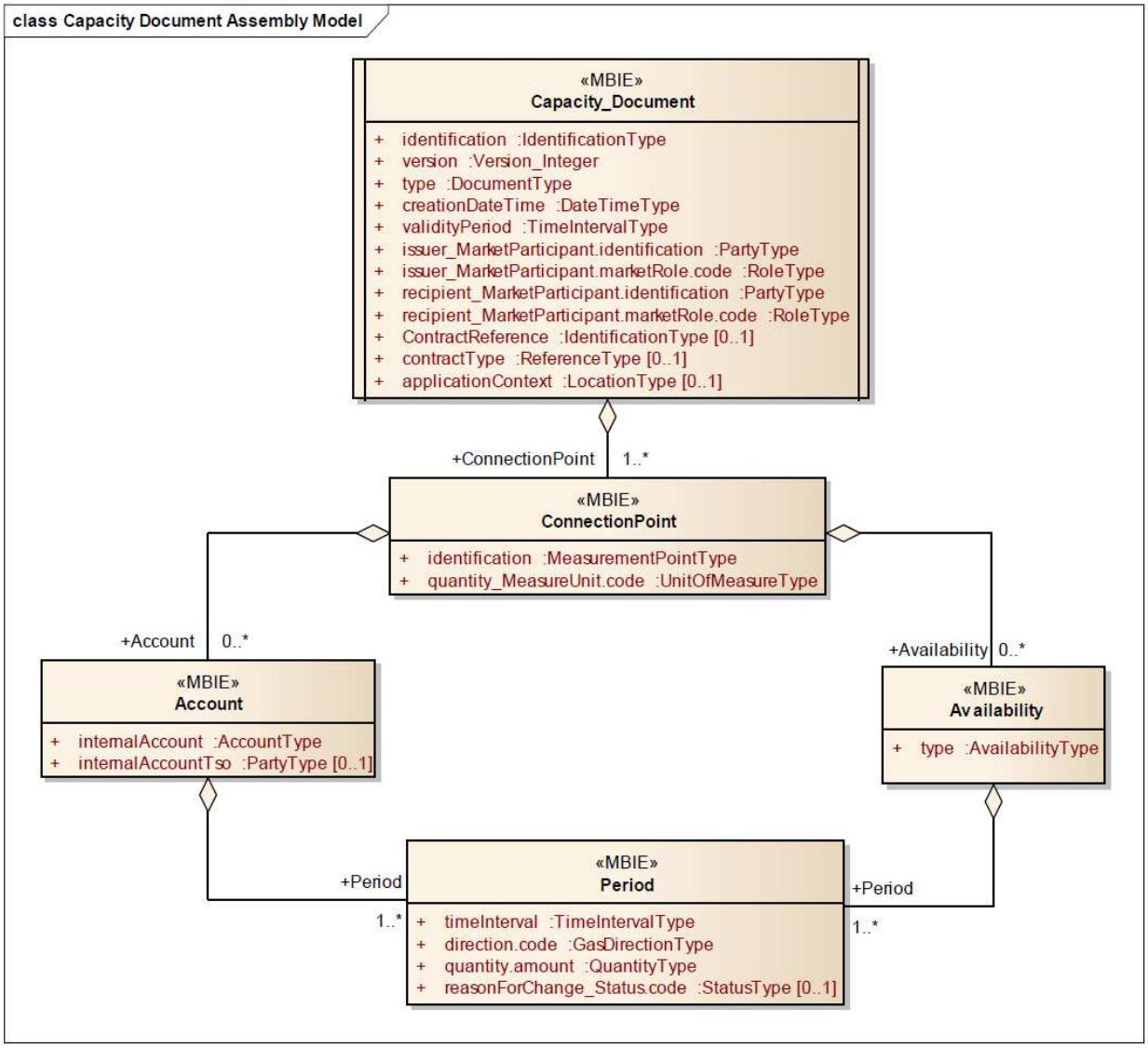

FIGURE 20: CAPACITY DOCUMENT MODEL

11.2 Information model description

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

Additional Local Restricted Code List (Germany):
The Capacity Document is used to inform the Network User about his capacity stock before and after, the day-ahead transactions. Also will the document inform about the Lower and Upper Renomination Limit.

11.2.1 Rules governing the Capacity Document class

A document is uniquely identified by:

. The identification of the document
. The Issuer identification
. The identification of the version.

11.2.1.1 Identification

ACTION	DESCRIPTION
Definition of element	Identification of the document describing the Capacity Document.
Description	A Capacity Document must have a unique identification assigned by the Issuer of the document to be sent to a Recipient for a given validity period. The Issuer must guarantee that this identification is unique over time.
Size	The identification of a Capacity Document may not exceed 35 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

11.2.1.2 Version

ACTION	DESCRIPTION
Definition of element	Version of the document being sent.
Description	The document version is used to identify a given version of a Capacity Document. The first version number for a given document identification shall normally be 1. The document version number must be incremented for each retransmission of a document that contains changes to the previous version. The receiving system shall only accept a document with a version number which is greater than the previous version number of the same document.
Size	A version number may not exceed 3 numeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

11.2.1.3
Type

ACTION	DESCRIPTION
Definition of element	The type of the document being sent.
Description	This identifies the type of Capacity Document that is being sent. The following types of Capacity Document are permitted: AMG = Total available capacity 12G = Changed capacity (Reference Edig@s DocumentType code list). Additional Local Restricted Code List: XCG = Capacity Reporting (Kapazitätsbestandsmeldung) XDG = Renomination Limit (Renominierungsbeschränkung)
Size	A type may not exceed 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

11.2.1.4
CreationDateTime

ACTION	DESCRIPTION
Definition of element	Date and time of the creation of the document.
Description	The date and time that the document was prepared for transmission by the application of the Issuer.
Size	Refer to section 1.2 of the Edig@s General Guidelines for information on the attribute structure.
Applicability	This information is mandatory.
Dependence requirements	None.

11.2.1.5
ValidityPeriod

ACTION	DESCRIPTION
Definition of element	The start and end date and time of the period of validity covered in the document.
Description	This information provides the start and end date and time of the period of validity of the document.
Size	Refer to section 1.2 of the Edig@s General Guidelines for information on the attribute structure.
Applicability	This information is mandatory.
Dependence requirements	None.

11.2.1.6
Issuer_MarketParticipant.Identification - CodingScheme

ACTION	DESCRIPTION
Definition of element	Identification of the party who has issued the document.
Description	The Issuer of the document is identified by a unique coded identification. This code identifies the party that is the “owner” of the information being transmitted in the document. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code “305” for an EIC party code.
Size	The maximum length of an Issuer’s identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
Applicability	Both the identification and the coding scheme are mandatory.
Dependence requirements	None.

11.2.1.7
Issuer_MarketParticipant.MarketRole.Code

ACTION	DESCRIPTION
Definition of element	Identification of the role that is played by the Issuer.
Description	The role being played by the Issuer of the document for this transmission. The following roles are permitted for this document: ZSO = System Operator (Reference Edig@s RoleType code list).
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

11.2.1.8
Recipient_MarketParticipant.Identification
- CodingScheme

ACTION	DESCRIPTION
Definition of element	Identification of the party who is receiving the document.
Description	The Recipient of the document is identified by a unique coded identification. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "305" for an EIC party code.
Size	The maximum length of a Recipient's identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
Applicability	Both the identification and the coding scheme are mandatory.
Dependence requirements	None.

11.2.1.9
Recipient_MarketParticipant.MarketRole.
Code

ACTION	DESCRIPTION
Definition of element	Identification of the role that the party who receives the document is playing.
Description	The role being played by the Recipient of the document for this transmission. The following roles are permitted for this document: ZSH = Network User ZSO = System Operator (Reference Edig@s RoleType code list).
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

11.2.1.10
ContractReference

ACTION	DESCRIPTION
Definition of element	Reference to a contract covering the capacity requirements.
Description	The contract reference that is relevant for the whole document.
Size	The contract reference may not exceed 35 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	The contract reference is expressed only if required by local market rules. Additional Local Restricted Code List: It is mandatory to insert the Balancing Account for the document type Capacity Report and the Renomination Limit.

11.2.1.11
ContractType

ACTION	DESCRIPTION
Definition of element	Identification of the type of contract covering the document.
Description	The contract type identifies the nature of the contract defined in the document. Additional Local Restricted Code List: CT = Contract reference (Reference Edig@s ReferenceType code list)
Size	The maximum length of the contract type is 3 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	This information is used depending on local market rules.

11.2.1.12 ApplicationContext - CodingScheme

ACTION	DESCRIPTION
Definition of element	The identification of a particular context that is significant to the Recipient.
Description	The application context is used to identify a particular context (location, application, etc.) that is relevant to the Recipient of the document. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "305" for an EIC location code.
Size	The maximum length of an application context's identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	The information is only provided when there is bi lateral agreement between the parties

11.2.2 Rules governing the ConnectionPoint class

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

11.2.2.1 Identification - CodingScheme

ACTION	DESCRIPTION
Definition of element	The identification of a connection point.
Description	The identification of a connection point within a System Operator's system. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "305" for an EIC measurement point code.
Size	The maximum length of the connection point identification is 16 alphanumeric characters. The maximum length of the coding scheme is 3 alphanumeric characters.
Applicability	Both the connection point identification and the coding scheme are mandatory.
Dependence requirements	None.

11.2.2.2 Quantity_MeasureUnit.Code

ACTION	DESCRIPTION
Definition of element	The unit of measure which is applied to all the quantities in the time series of the document.
Description	The unit of measurement used for all the quantities expressed within a time series. The following are the codes recommended for use: KW1 = Kilowatt-hour per hour (kWh/h) KW2 = Kilowatt-hour per day (kWh/d) (Reference Edig@s UnitOfMeasure code list).
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

11.2.3 Rules governing the Availability class

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

11.2.3.1 Type

ACTION	DESCRIPTION
Definition of element	Identification of the type of availability for a quantity.
Description	The availability type indicates if a quantity is firm or interruptible. The following types are permitted: Z06 = Firm Z05 = Interruptible (Reference Edig@s AvailabilityType code list). Other types of availability are possible depending on local market rules. Additional Local Restricted Code List: 19G = Sum of all firm capacity products (FZK, BZK, bFZK, DZK, TAK) 20G = Firm free allocable capacity (FZK) 21G = Conditionally firm, freely allocable capacity (bFZK) 22G = Restricted capacity (BZK) 23G = Dynamically allocable capacity (DZK) 24G = Temperature-dependent capacity (TAK) 25G = Interruptible capacity (UK) 60G = Lower Renomination Limit 61G = Upper Renomination Limit
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

11.2.4 Rules governing the Account class

This class only exists in the case of curtailment.

11.2.4.1 InternalAccount – CodingScheme

ACTION	DESCRIPTION
Definition of element	The identification of the internal account that is defined by the transmitting System Operator.
Description	The identification of the internal account within a System Operator's system. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "ZSO" for a System Operator code.
Size	The maximum length of the internal account is 35 alphanumeric characters. The maximum length of the coding scheme is 3 alphanumeric characters.
Applicability	Both the internal account and the coding scheme are mandatory.
Dependence requirements	None.

11.2.4.2 InternalAccountTso – CodingScheme

ACTION	DESCRIPTION
Definition of element	Identification of the System Operator that created the internal account identification.
Description	The System Operator that created the internal account identification. The codification scheme used for the coded identification is indicated by the coding scheme attribute and shall indicate the code "305" for an EIC party code.
Size	The maximum length of the identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
Applicability	Both the identification and the coding scheme are dependent.
Dependence requirements	The InternalAccountTso is required if the identification of the System Operator that created the account is ambiguous.

11.2.5 Rules governing the Period class

There must always be a Period class.

11.2.5.1 TimeInterval

ACTION	DESCRIPTION
Definition of element	The start and end date and time of the time interval of the period in question.
Description	This information provides the start and end date and time of the period being reported.
Size	Refer to section 1.2 of the Edig@s General Guidelines for information on the attribute structure.
Applicability	This information is mandatory.
Dependence requirements	None.

11.2.5.2 Direction.Code

ACTION	DESCRIPTION
Definition of element	Identifies how the capacity has to be seen from the perspective of the transmitting System Operator's area.
Description	This identifies the direction of the capacity. Permitted codes are: Z02 = Input Z03 = Output (Reference Edig@s GasDirectionType code list).
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

11.2.5.3 Quantity.Amount

ACTION	DESCRIPTION
Definition of element	The quantity for the connection point within the time interval in question.
Description	This information defines the quantity for the connection point within the time interval period. A decimal point value may be used to express values that are inferior to the defined unit of measurement. The decimal mark that separates the digits forming the integral part of a number from those forming the fractional part (ISO 6093) shall always be a period (“.”). All quantities are non-signed values.
Size	The maximum length of this information is 17 numeric characters (decimal mark included). All leading zeros are to be suppressed. The number of decimal places identifying the fractional part of the quantity depends on local market rules.
Applicability	This information is mandatory.
Dependence requirements	None.

11.2.5.4 ReasonForChange_Status.Code

ACTION	DESCRIPTION
Definition of element	The identification of the planned nature of the change in capacity.
Description	The reason for the change of the capacity in question in relation to planning. The following are the codes recommended for use: 22G = Planned: The reason for this status is a planned maintenance 23G = Unplanned: The reason for this status is other than a planned maintenance (Reference Edig@s StatusType code list). Additional Local Restricted Code List: 26G = Interruptible capacity 27G = Firm Capacity without Day-Ahead 29G = Firm Day-Ahead Capacity
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	The information is only provided when there is a bi-lateral agreement between the parties.