

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23

Capacity Allocation - Auction

Model Documentation



The European message format for the gas market

Version 6.1

Document Version: 2
Schema Version: 1

24		
25		
26	1	Model Detail.....4
27	2	Auction Bid Document usage decision table5
28	3	Auction Results Document usage decision table7
29	4	Capacity Allocation Auction.....12
30	4.1	Business Process 12
31	4.1.1	Capacity allocation bidding and finalisation sequence.....12
32	4.2	Auction Bid Document (AUCBID).....13
33	4.2.1	Auction Bid Document Contextual Model.....13
34	4.2.2	Auction Bid Document Assembly Model14
35	4.2.2.1	AuctionBid_Document.....15
36	4.2.2.1.1	Attributes.....15
37	4.2.2.2	ConversionReference_Document.....17
38	4.2.2.2.1	Attributes.....17
39	4.2.2.3	Conversion_Account.....17
40	4.2.2.3.1	Attributes.....17
41	4.2.2.4	UpgradeReference_Document17
42	4.2.2.4.1	Attributes.....17
43	4.2.2.5	Upgrade_Account.....17
44	4.2.2.5.1	Attributes.....17
45	4.3	Auction Results Document (AUCRES)18
46	4.3.1	Auction Results Document Contextual Model.....18
47	4.3.2	Auction Results Document Assembly Model19
48	4.3.2.1	AuctionResults_Document.....20
49	4.3.2.1.1	Attributes.....20
50	4.3.2.2	BiddingRound_Sequence22
51	4.3.2.2.1	Attributes.....22
52	4.3.2.3	Bid_Document23
53	4.3.2.3.1	Attributes.....23
54	4.3.2.4	ConversionReference_Document.....25
55	4.3.2.4.1	Attributes.....25
56	4.3.2.5	Conversion_Account.....25
57	4.3.2.5.1	Attributes.....25
58	4.3.2.6	UpgradeReference_Document26
59	4.3.2.6.1	Attributes.....26
60	4.3.2.7	Upgrade_Account.....26
61	4.3.2.7.1	Attributes.....26
62	4.3.2.8	So_MarketParticipant.....26
63	4.3.2.8.1	Attributes.....26
64	4.3.2.9	Cost_Price27
65	4.3.2.9.1	Attributes.....27

66	5 Document Change Log	28
67	5.1 Version	28
68	5.1.1 Attributes	28
69		

70 1 Model Detail

71 COPYRIGHT & LIABILITY

72 The Edig@s Workgroup (EASEE-Gas Message and Workflow Design Working Group) disclaims and excludes, and
73 any user of the Edig@s Workgroup Implementation Guidelines acknowledges and agrees to the Edig@s Workgroup
74 disclaimer of, any and all warranties, conditions or representations, express or implied, oral or written, with respect to
75 the guidelines or any part thereof, including any and all implied warranties or conditions of title, non-infringement,
76 merchantability, or fitness or suitability for any particular purpose (whether or not the Edig@s Workgroup knows, has
77 reason to know, has been advised, or is otherwise in fact aware of any such purpose), whether alleged to arise by law,
78 by reason of custom or usage in the trade, or by course of dealing. Each user of the guidelines also agrees that under
79 no circumstances will the Edig@s Workgroup be liable for any special, incidental, exemplary, punitive or
80 consequential damages arising out of any use of, or errors or omissions in, the guidelines.

81 2 Auction Bid Document usage decision table

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

Auction Bid Document	Auction Bid
identification	Mandatory
version	Mandatory
documentCode	ALN = Auction Bid
creationDateTime	Mandatory
validityPeriod	Mandatory
issuer_MarketParticipant.identification	Mandatory; codingScheme = 305 (EIC Party X code)
issuer_MarketParticipant.marketRole.roleCode	ZUV = Capacity Responsible Party
recipient_MarketParticipant.identification	Mandatory; codingScheme = 305 (EIC Party X code)
recipient_MarketParticipant.marketRole.roleCode	ZUJ = Capacity Platform Responsible
contract_Reference.identification	Identification of the auction
contract_Reference.referenceCode	ZSD = Contract reference of a capacity platform product.
bidder_Reference.identification	Mandatory.
counter_MarketParticipant.identification	Mandatory for bundled bids and in the case where the counter party is not the same as the bidding party; codingScheme = 305 (EIC Party X code)
quantity_MeasureUnit.unitOfMeasureCode	KW1 = Kilowatt-hour per hour (kWh/h) KW2 = Kilowatt-hour per day (kWh/d) .
bid_Quantity.amount	Mandatory.
min_Quantity.amount	Used if a Capacity Responsible Party will not accept any quantity allocated in the place of the quantity bid in the case of a uniform price auction
totalRequestedUpgrade_Quantity.amount	Used if upgrade from interruptible to firm capacity requested
totalRequestedConversion_Quantity.amount	Used if unbundled capacity to be converted to bundled capacity.
price_MeasureUnit.unitOfMeasureCode	Used only for uniform price auction KW1 = Kilowatt-hour per hour (kWh/h) KW2 = Kilowatt-hour per day (kWh/d).
currency.currencyCode	Used only for uniform price auction
bid_Price.amount	Used only for uniform price auction

Auction Bid Document	Auction Bid
status.statusCode	62G = Active 63G = Cancelled
from_Account.identification	Used if account information is required; codingScheme = 305 (EIC Account Y code) or ZSO.
from_Account.accountCode	Used to clarify type of from account identification; codingScheme = 305 (EIC Party X code).
to_Account.identification	Used if account information is required; codingScheme = 305 (EIC Account Y code) or ZSO.
to_Account.accountCode	Used to clarify type of to account identification if it is ambiguous; codingScheme = 305 (EIC Party X code).
rollOver_Indication.indicatorCode	Used in the case where a bid may be rolled over by the capacity platform to a following auction.
termsAndCotionsAccepted_Indication.indicatorCode	Used in the case where it is required by the System Operator.
ConversionReference.identification	Used in the case where it is required to identify the unbundled capacity that may be bundled
ConversionReference.holdingSo_MarketParticipant.identification	Used if there is a conversion reference identification; codingScheme = 305 (EIC Party X code).
ConversionReference.requestedConversion_Quantity.amount	Used to identify the unbundled capacity to be bundled.
ConversionAccount.identification	Used if there is a conversion reference identification and there is a particular account concerned; codingScheme = 305 (EIC Account Y code) or ZSO.
ConversionAccount.conversion_Quantity.amount	Used to identify a quantity to be converted from a particular account.
UpgradeReference.identification	Used in the case where interruptible capacity may be used to partially or completely finance a firm capacity bid
UpgradeReference.holdingSo_MarketParticipant.identification	Used if the interruptible capacity account is ambiguous; codingScheme = 305 (EIC Party X code) .
UpgradeReference.requestedUpgrade_Quantity.amount	Mandatory if no upgrade account to identify the amount of interruptible capacity to finance a firm capacity bid.
UpgradeAccount.identification	Mandatory if a particular account contains the interruptible capacity; codingScheme = 305 (EIC Account Y code) or ZSO.
UpgradeAccount.upgrade_Quantity.amount	Used to identify the interruptible capacity to be taken from the account.

84 3 Auction Results Document usage decision table

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

Auction Results Document	Capacity Responsible Party allocated capacity	Aggregated auction results for Capacity Responsible Party's	Detailed auction results for System Operators
identification	Mandatory.		
version	Mandatory.		
documentCode	ANA = Capacity Responsible Party allocated capacity.	ANB = Aggregated auction results for Capacity Responsible Party's.	ANT = Detailed auction results for System Operators.
creationDateTime	Mandatory.		
validityPeriod	Mandatory.		
issuer_MarketParticipant.identification	Mandatory; codingScheme = 305 (EIC Party X code).		
issuer_MarketParticipant.marketRole.roleCode	ZUJ = Capacity Platform Responsible.	ZUJ = Capacity Platform Responsible.	ZUJ = Capacity Platform Responsible.
recipient_MarketParticipant.identification	Mandatory; codingScheme = 305 (EIC Party X code).		
recipient_MarketParticipant.marketRole.roleCode	ZUV = Capacity Responsible Party.	ZUV = Capacity Responsible Party.	ZSO = System Operator.
contract_Reference.identification	Mandatory.		
contract_Reference.referenceCode	ZSD = Contract reference of a capacity platform product ZSE = Reverse auction.	ZSD = Contract reference of an Auction Office product ZSE = Reverse auction.	ZSD = Contract reference of a capacity platform product ZSE = Reverse auction.
status.statusCode	63G= Cancelled 64G = Allocated 65G = Not awarded.		
product_PeriodSpan.periodSpanCode	ZEJ = Yearly. ZEK = Quarterly. ZEL = Monthly. ZEM = Daily. ZEN = Within day.		
productTimeInterval_.timeInterval	Mandatory.		
connectionPoint.identification	Mandatory; codingScheme = 305 (EIC Measurement point Z or Y code) or ZSO.		
connectionPoint.bookablePointIdentification	Not used	Not used	Mandatory

Auction Results Document	Capacity Responsible Party allocated capacity	Aggregated auction results for Capacity Responsible Party's	Detailed auction results for System Operators
quantity_MeasureUnit.unitOfMeasureCode	KW1 = Kilowatt-hour per hour (kWh/h) KW2 = Kilowatt-hour per day (kWh/d).		
price_MeasureUnit.unitOfMeasureCode	KW1 = Kilowatt-hour per hour (kWh/h) KW2 = Kilowatt-hour per day (kWh/d).		
currency.currencyCode	Mandatory (Refer to Edig@s CurrencyCodeTypeCodeList for the list of valid codes).		
currency.exchangeRate	Used if the currency defined in the Currency.Code attribute is not Euro.		
totalCapacityOffered_Quantity.amount	Mandatory.		
totalCapacityOffered_Quantity.bundled_Indication.indicatorCode	Used if capacity is bundled		
totalAllocated_Quantity.amount	Used if the auction was successful.		
totalAllocated_Quantity.bundled_Indication.indicatorCode	Used if the auction was successful. 01G = Bundled (Yes). 02G = Unbundled (No).		
largeStep_Price.amount	Used for ascending clock auctions.		
smallStep_Price.amount	Used for ascending clock auctions.		
clearing_Price.amount	Mandatory.		
auctionHeld_Period.timeInterval	Mandatory.		
tsoContract_Reference.identification	Not used	Not used	Mandatory.
BiddingRound_Sequence.position	Not used if auction cancelled.		
BiddingRound_Sequence.biddingRound_Price.amount	Used only for ascending clock auctions and position.		
BiddingRound_Sequence.totalCapacityBid_Quantity.amount	Not used	Not used	Used for unsuccessful bidding rounds.
BiddingRound_Sequence.totalCapacityBid_Quantity.bundled_Indication.indicatorCode	Mandatory if position.		
Bid_Document.identification	Not used if auction cancelled.		
Bid_Document.version	Mandatory if identification.		
Bid_Document.bid_MarketParticipant.identification	Mandatory if identification; codingScheme = 305 (EIC Party X code).		
Bid_Document.bidder_Reference.identification	Mandatory if identification.		

Auction Results Document	Capacity Responsible Party allocated capacity	Aggregated auction results for Capacity Responsible Party's	Detailed auction results for System Operators
Bid_Document.counter_MarketParticipant.identification	Used for bundled bids where the counter party is not the same as the bidding party; codingScheme = 305 (EIC Party X code).		
Bid_Document.bid_Quantity.amount	Mandatory if identification.		
Bid_Document.bid_Quantity.bundled_Indication.indicatorCode	Mandatory if identification.		
Bid_Document.min_Quantity.amount	Used only any quantity allocated in the place of the quantity bid in a uniform price auction cannot be inferior.		
Bid_Document.min_Quantity.bundled_Indication.indicatorCode	Used if min_Quantity.amount present. 01G = Bundled (Yes). 02G = Unbundled (No).		
Bid_Document.allocated_Quantity.amount	Used if allocation		
Bid_Document.Bid_Document.allocated_Quantity.bundled_Indication.indicatorCode	Used if allocated quantity. 01G = Yes. 02G = No.		
Bid_Document.auctionBooking_Reference.identification	Mandatory.		
Bid_Document.bid_Price.amount	Used only for uniform price auctions.		
Bid_Document.totalRequestedUpgrade_Quantity.amount	Used only if upgrade capacity requested		
Bid_Document.totalRequestedUpgrade_Quantity.bundled_Indication.indicatorCode	Used if total requested upgrade quantity		
Bid_Document.totalRequestedConversion_Quantity.amount	Used only if conversion capacity requested		
Bid_Document.totalRequestedConversion_Quantity.bundled_Indication.indicatorCode	Used if total requested conversion quantity. 01G = Bundled (Yes). 02G = Unbundled (No).		
Bid_Document.from_Account.identification	Used only if account information was required; codingScheme = 305 (EIC Account Y code).		
Bid_Document.from_Account.accountCode	Used if account information unclear; codingScheme = 305 (EIC Party X code).		

Auction Results Document	Capacity Responsible Party allocated capacity	Aggregated auction results for Capacity Responsible Party's	Detailed auction results for System Operators
Bid_Document.to_Account.identification	Used only if account information was required; codingScheme = 305 (EIC Account Y code).		
Bid_Document.to_Account.accountCode	Used if account information unclear; codingScheme = 305 (EIC Party X code).		
Bid_Document.status.statusCode	71G = Rejected 64G = Allocated 65G = Not awarded.		
Bid_Document.bidRolledOver_Indication.indicatorCode	Used if bid rolled over to current auction. 01G = Yes. 02G = No.		
ToSo_MarketParticipant or FromSo_Marketparticipant.identification	Mandatory if bundled or to identify entry (To) or exit capacity (from); codingScheme = 305 (EIC Party X code).		
ToSo_MarketParticipant or FromSo_Marketparticipant.availability.availabilityCode	ZFA = Available Interruptible capacity. ZFB = Available firm capacity.		
ToSo_MarketParticipant or FromSo_Marketparticipant.price_MeasureUnit.unitOfMeasureCode	KW1 = Kilowatt-hour per hour (kWh/h) KW2 = Kilowatt-hour per day (kWh/d).		
ToSo_MarketParticipant or FromSo_Marketparticipant.urrency.currencyCode	Mandatory (Refer to Edig@s CurrencyCodeTypeCodeList for the list of valid codes).		
ToSo_MarketParticipant or FromSo_Marketparticipant.currency.exchangeRate	Used if the currency not Euro.		
ToSo_MarketParticipant or FromSo_Marketparticipant.premium_Price.amount	Used if uniform price auction.		
ToSo_MarketParticipant or FromSo_Marketparticipant.reserve_Price.amount	Used if different from Auction reserve price		
Cost_Price.priceCode	Mandatory if there are SO additional costs. Z01 = Measurement fee Z02 = Accounting fee Z03 = Biogas fee Z04 = Operating fee		
Cost_Price.amount	Mandatory if additional costs.		

Auction Results Document	Capacity Responsible Party allocated capacity	Aggregated auction results for Capacity Responsible Party's	Detailed auction results for System Operators
UpgradeReference_Document.identification	Mandatory to identify the upgraded interruptible capacity to partially or completely finance a firm capacity bid.		
UpgradeReference_Document.holdingTso_MarketParticipant.identification	Mandatory; codingScheme = 305 (EIC Party X code).		
UpgradeReference_Document.totalRequestedupgrade_Quantity.amount	Used if the requested upgrade quantity is not associated to an internal account		
UpgradeReference_Document.totalRequestedupgrade_Quantity.bundled_Indication.indicatorCode	Used if total requested upgrade quantity. 01G = Bundled (Yes). 02G = Unbundled (No).		
Upgrade_Account	Mandatory if account information provided.		
Upgrade_Account.identification	Mandatory if account information provided; codingScheme = 305 (EIC Account Y code) or ZSO.		
Upgrade_Account.upgrade_Quantity.amount	Mandatory		
Upgrade_Account.upgrade_Quantity.bundled_Indication.indicatorCode	Mandatory 01G = Bundled (Yes). 02G = Unbundled (No).		
ConversionReference_Document.identification	Used to identify unbundled capacity used to create bundled capacity		
ConversionReference_Document.holdingTso_MarketParticipant.identification	Mandatory.		
ConversionReference_Document.totalRequestedConversion_Quantity.amount	Mandatory if the requested conversion quantity is not associated to an internal account		
ConversionReference_Document.totalRequestedConversion_Quantity.bundled_Indication.indicatorCode	Mandatory if total requested conversion quantity. 01G = Bundled (Yes). 02G = Unbundled (No).		
Conversion_Account.identification	Mandatory if account information provided.; codingScheme = 305 (EIC Account Y code) or ZSO.		
Conversion_Account.conversion_Quantity.amount	Mandatory.		
conversion_Quantity.bundled_Indication.indicatorCode	Mandatory. 01G = Bundled (Yes). 02G = Unbundled (No).		

87 4 Capacity Allocation Auction

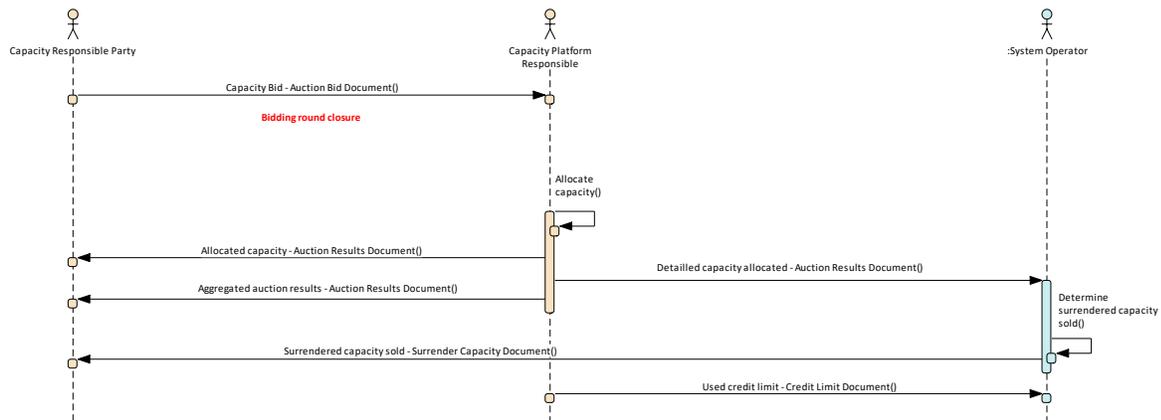
88 4.1 Business Process

89 4.1.1 Capacity allocation bidding and finalisation sequence

90 It is assumed that all relevant information required to carry out an auction have already been provided to the
 91 Capacity Platform Responsible (for example, Capacity Responsible Party's, bookable points, etc...).

92 Note 1: The Aggregated Auction Results may, at the discretion of the Capacity Platform Responsible, either be
 93 transmitted via an electronic document to the Capacity Responsible Party or via an online interface.

94 Note 2: The used credit limit is transmitted by the Capacity Platform Responsible to the Transmission System
 95 Operator on request.
 96



97
 98
 99
 Figure: 1 Capacity allocation bidding and finalisation sequence

100 **4.2 Auction Bid Document (AUCBID)**

101 **4.2.1 Auction Bid Document Contextual Model**

102
103

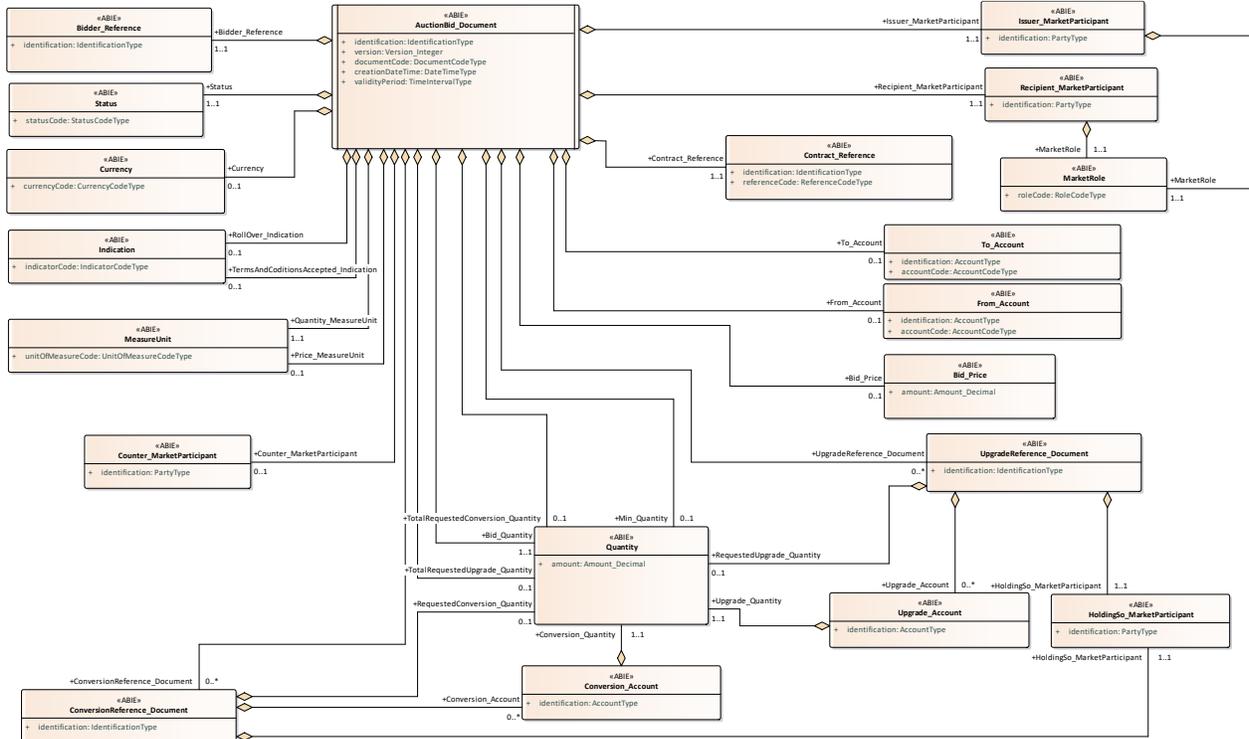


Figure: 2 **Auction Bid Document Contextual Model**

104
105
106

107 **4.2.2 Auction Bid Document Assembly Model**
 108

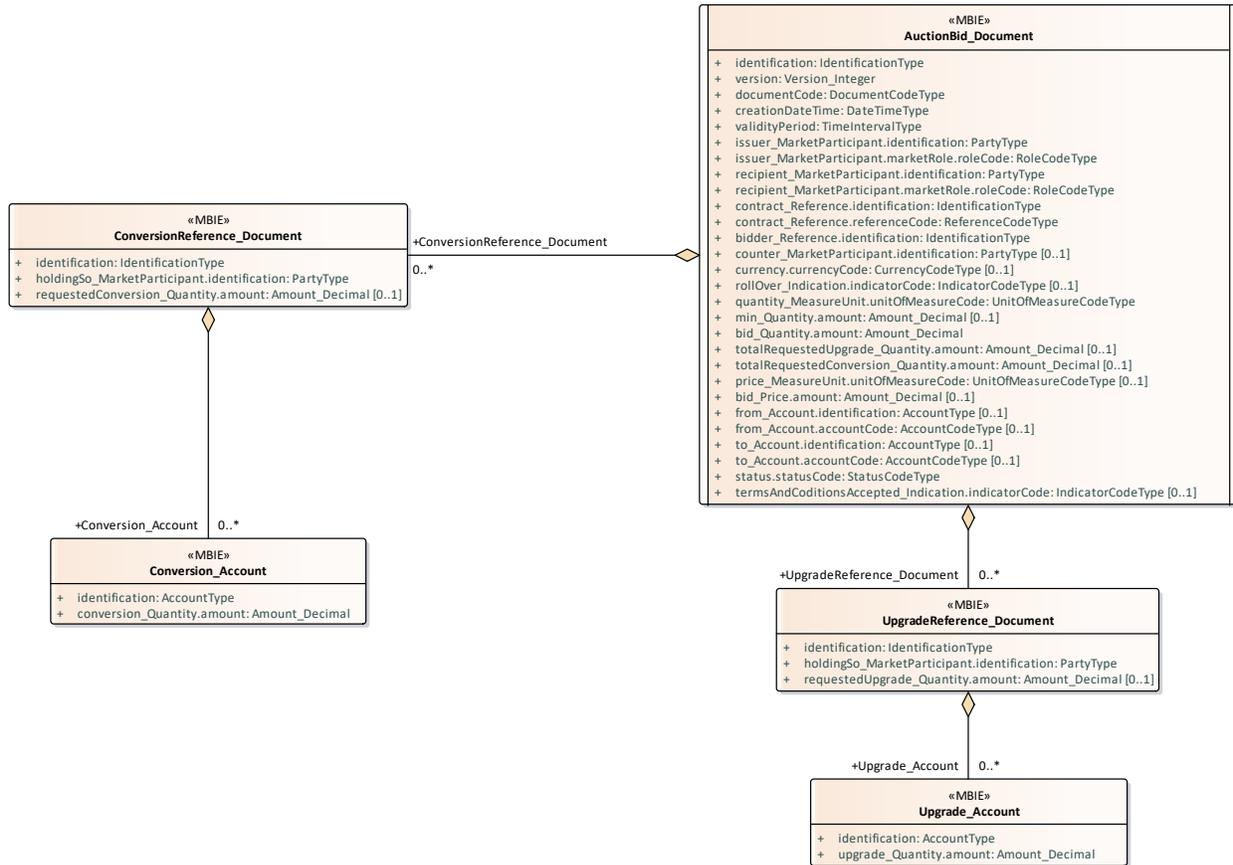


Figure: 3 **Auction Bid Document Assembly Model**

109
 110
 111

112 **4.2.2.1 AuctionBid_Document**

113 An Auction Bid Document enables a Capacity Responsible Party to submit bids to the capacity platform.

114 **4.2.2.1.1 Attributes**

Attribute	Description	Multiplicity
identification	A unique identification of a document that is assigned by the issuer.	
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	The identification of the party participating in the market. 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 Issuer of the document.	
issuer_MarketParticipant.marketRole.roleCode	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 of the document.	
recipient_MarketParticipant.identification	The identification of the party participating in the market. The Recipient of the document is identified by a unique coded identification. --- The Recipient of the document.	
recipient_MarketParticipant.marketRole.roleCode	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 of the document.	
contract_Reference.identification	The coded identification of a reference. --- The contract reference provides the auction identification that is relevant for the whole document.	
contract_Reference.referenceCode	The contract type identifies the contract reference of a capacity platform product defined in the document. (Refer to the Edig@s ReferenceCodeTypeCodeList for the list of valid codes). --- The contract reference provides the auction identification that is relevant for the whole document.	
bidder_Reference.identification	The coded identification of a reference. --- The identification of the bidder responsible for the bid.	
counter_MarketParticipant.identification	The identification of the party participating in the market. --- Identification of the counter party who participating in a bundled bid.	[0..1]
currency.currencyCode	The identification of the formal code for a currency (ISO 4217).	[0..1]

Attribute	Description	Multiplicity
	(Refer to the Edig@s CurrencyCodeTypeCodeList for the list of valid codes). --- This information defines the currency of the price within the auction.	
rollOver_Indication.indicatorCode	A boolean indicator of the type "yes" or "no". (Refer to the Edig@s IndicatorCodeTypeCodeList for the list of valid codes). --- This information provides the indication that the bid may be rolled over to a following auction in the case where it has not been satisfied. This only applies to a roll over between the day ahead auction and the first within day auction.	[0..1]
quantity_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). --- The unit of measure for all quantities in the bid.	
min_Quantity.amount	The amount of a quantity. --- This information defines the minimum amount of capacity for the respective standard capacity product which the Capacity Responsible Party is willing to be allocated according to the relevant algorithm in case the Capacity Responsible Party is not allocated the amount requested otherwise the bid will be void.	[0..1]
bid_Quantity.amount	The amount of a quantity. --- This information defines the quantity that has been bid within the time interval period.	
totalRequestedUpgrade_Quantity.amount	The amount of a quantity. --- This information defines the total requested quantity of interruptible capacity to be upgraded into firm capacity.	[0..1]
totalRequestedConversion_Quantity.amount	The amount of a quantity. --- The total unbundled quantity that has been requested to be converted to bundled capacity.	[0..1]
price_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). --- The unit of measure for any prices described in the bid.	[0..1]
bid_Price.amount	The monetary amount of a price. --- The price per price measurement unit that is bid for the quantity in a uniform price auction.	[0..1]
from_Account.identification	The identification of an account.	[0..1]
from_Account.accountCode	The identification of an account type. (Refer to the Edig@s AccountCodeTypeCodeList for the list of valid codes).	[0..1]
to_Account.identification	The identification of an account.	[0..1]
to_Account.accountCode	The identification of an account type. (Refer to the Edig@s AccountCodeTypeCodeList for the list of valid codes).	[0..1]
status.statusCode	A code providing the status of an object. (Refer to the Edig@s StatusCodeTypeCodeList for the list of valid codes). --- This information provides the status of the bid.	
termsAndCotionsAccepted_Indication.indicatorCode	A boolean indicator of the type "yes" or "no". (Refer to the Edig@s IndicatorCodeTypeCodeList for the list of valid codes).	[0..1]

Attribute	Description	Multiplicity
	--- This information provides the indication that the terms and conditions of the System Operator have been accepted.	

115 4.2.2.2 ConversionReference_Document

116 In the case where it is required to identify the unbundled capacity that may be bundled, this class is used to provide
117 the contract document reference governing the unbundled capacity as well as the relevant quantity.

118 4.2.2.2.1 Attributes

Attribute	Description	Multiplicity
identification	A unique identification of a document that is assigned by the issuer.	
holdingSo_MarketParticipant.identification	The identification of the party participating in the market. --- The System Operator that manages the account for unbundled capacity identified by its contract reference.	
requestedConversion_Quantity.amount	The amount of a quantity.	[0..1]

119 4.2.2.3 Conversion_Account

120 In the case where internal accounts are used to identify an unbundled capacity account the following may be
121 provided.

122 4.2.2.3.1 Attributes

Attribute	Description	Multiplicity
identification	The identification of an account.	
conversion_Quantity.amount	The amount of a quantity. --- This information defines the requested amount of unbundled capacity that is to be converted to bundled capacity.	

123 4.2.2.4 UpgradeReference_Document

124 In the case where it is required to identify the interruptible capacity that may be used to partially or completely
125 finance a firm capacity bid this class is used to provide the contract document reference governing the interruptible
126 capacity as well as the relevant quantity.

127 4.2.2.4.1 Attributes

Attribute	Description	Multiplicity
identification	A unique identification of a document that is assigned by the issuer.	
holdingSo_MarketParticipant.identification	The identification of the party participating in the market. --- The System Operator that manages the account for interruptible capacity identified by its contract reference.	
requestedUpgrade_Quantity.amount	The amount of a quantity. --- This information defines the interruptible quantity within the reference document that is to be upgraded into a firm quantity.	[0..1]

128 4.2.2.5 Upgrade_Account

129 In the case where internal accounts are used to identify an interruptible account the following may be provided.

130 4.2.2.5.1 Attributes

Attribute	Description	Multiplicity
identification	The identification of an account.	
upgrade_Quantity.amount	The amount of a quantity. --- This information defines the requested amount of interruptible capacity that is to be upgraded to firm capacity.	

131

138 4.3.2 Auction Results Document Assembly Model

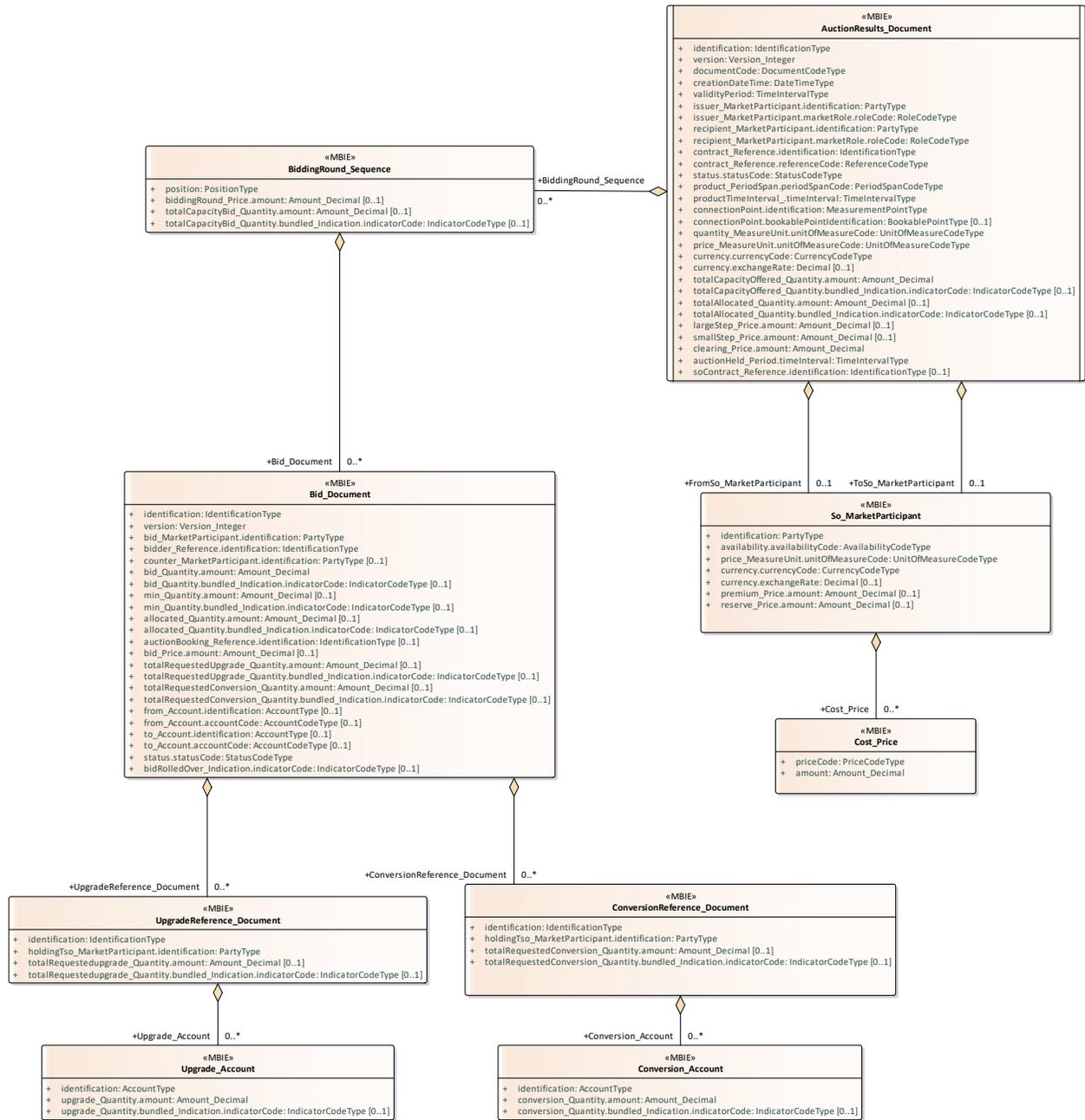


Figure: 5 Auction Results Document Assembly Model

139
140
141

142 4.3.2.1 AuctionResults_Document

143 An Auction Results Document is used in three different contexts within the CAM process:

- 144 1. To enable the Capacity Platform Responsible to inform Capacity Responsible Party's of the results of their bids
145 and its corresponding allocation.
- 146 2. To enable the Capacity Platform Responsible to inform the System Operators of the bids made during the
147 auction and their allocation.
- 148 3. To enable the Capacity Platform Responsible to inform the market of the capacity that has been allocated during
149 the auction.

150 4.3.2.1.1 Attributes

Attribute	Description	Multiplicity
identification	A unique identification of a document that is assigned by the issuer.	
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). This identifies the type of Auction Results Document that is being sent	
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	The identification of the party participating in the market. --- The role being played by the Issuer of the document for this transmission.	
issuer_MarketParticipant.marketRole.roleCode	A code identifying the role played by a market participant in the market. (Refer to the Edig@s ReferenceCodeTypeCodeList for the list of valid codes). --- The role being played by the Issuer of the document for this transmission. --- The role being played by the Issuer of the document for this transmission.	
recipient_MarketParticipant.identification	The identification of the party participating in the market. --- The Recipient of the document is identified by a unique coded identification.	
recipient_MarketParticipant.marketRole.roleCode	A code identifying the role played by a market participant in the market. (Refer to the Edig@s ReferenceCodeTypeCodeList for the list of valid codes). --- The Recipient of the document is identified by a unique coded identification. --- The role being played by the Recipient of the document for this transmission	
contract_Reference.identification	The coded identification of a reference. The contract reference provides the auction identification relevant for the whole document. This is the specific auction ID.	
contract_Reference.referenceCode	Identification of a type of reference. (Refer to the Edig@s ReferenceCodeTypeCodeList for the list of valid codes).	

Attribute	Description	Multiplicity
	The contract type identifies the nature of the contract defined in the document (auction or reverse auction).	
status.statusCode	A code providing the status of an object. (Refer to the Edig@s StatusCodeTypeCodeList for the list of valid codes). --- This information provides the status of the auction.	
product_PeriodSpan.periodSpanCode	A code providing the time span of a given period (daily, weekly, monthly, etc.). (Refer to the Edig@s PeriodSpanCodeTypeCodeList for the list of valid codes). --- A code identifying the span for the product that was auctioned.	
productTimeInterval_timeInterval	The start and end date and time for the period. The time is expressed in UTC. --- This information provides the start and end date and time of the period of the product that was auctioned.	
connectionPoint.identification	The identification of a connection point.	
connectionPoint.bookablePointIdentification	The identification of a given connection point, Transmission System Operator and direction.	[0..1]
quantity_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). --- The unit of measure which is applied to all the quantities related to the auction results.	
price_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). --- The unit of measure which is related to all the prices for the auction results.	
currency.currencyCode	The identification of the formal code for a currency (ISO 4217). (Refer to the Edig@s CurrencyCodeTypeCodeList for the list of valid codes). --- This information defines the currency of a price within the auction.	
currency.exchangeRate	The rate of exchange to convert the amount in a currency to Euro. --- This information defines the currency of a price within the auction.	[0..1]
totalCapacityOffered_Quantity.amount	The amount of a quantity. --- This information defines the total amount of capacity that was offered in the auction.	
totalCapacityOffered_Quantity.bundled_Indication.indicatorCode	A boolean indicator of the type "yes" or "no". (Refer to the Edig@s IndicatorCodeTypeCodeList for the list of valid codes). --- This information defines the total amount of capacity that was offered in the auction.	[0..1]
totalAllocated_Quantity.amount	The amount of a quantity. --- This information defines the total amount of capacity that was allocated by the capacity platform. In the case of a document type "ANA" it means the quantity allocated to the bidder. In the case of document type "ANB" or "ANT" it	[0..1]

Attribute	Description	Multiplicity
	means the global quantity allocated for the auction by the capacity platform.	
totalAllocated_Quantity.bundled_Indication.indicatorCode	A boolean indicator of the type "yes" or "no". (Refer to the Edig@s IndicatorCodeTypeCodeList for the list of valid codes). --- This information defines the total amount of capacity that was allocated by the capacity platform. In the case of a document type "ANA" it means the quantity allocated to the bidder. In the case of document type "ANB" or "ANT" it means the global quantity allocated for the auction by the capacity platform.	[0..1]
largeStep_Price.amount	The monetary amount of a price. --- The price that represents a price step that is defined per interconnection point and standard capacity product and may be a fixed or variable amount.	[0..1]
smallStep_Price.amount	The monetary amount of a price. --- The amount that represents a price step that is defined per interconnection point and standard capacity product which may be a fixed or variable amount and is smaller than the large price step. The small price step shall be set such that an increase by an integer number of small price steps is equal to an increase by a large price step.	[0..1]
clearing_Price.amount	The monetary amount of a price. --- The clearing price established by the capacity platform following an auction.	
auctionHeld_Period.timeInterval	The start and end date and time for the period. The time is expressed in UTC. --- The start and end date and time of the period when the auction was held.	
soContract_Reference.identification	The coded identification of a reference.	[0..1]

151 4.3.2.2 BiddingRound_Sequence

152 There may be zero to many BiddingRound_Sequence classes. In the case where an auction has been cancelled this
153 information shall not be present.

154 4.3.2.2.1 Attributes

Attribute	Description	Multiplicity
position	The identification of a given sequence value.	
biddingRound_Price.amount	The monetary amount of a price. --- The price per price measurement unit that has been defined for the bidding round in an ascending clock auction.	[0..1]
totalCapacityBid_Quantity.amount	The amount of a quantity. --- This information defines the total amount of capacity that was bid in the bidding round.	[0..1]
totalCapacityBid_Quantity.bundled_Indication.indicatorCode	A boolean indicator of the type "yes" or "no". (Refer to the Edig@s IndicatorCodeTypeCodeList for the list of valid codes). --- This information defines the total amount of capacity that was bid in the bidding round.	[0..1]

155

156 4.3.2.3 Bid_Document

157 There may be zero to many Bid_Document classes.

158 If no valid bids have been received for the auction, then this information shall not be provided.

159 4.3.2.3.1 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. This identifies the document being reported. 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.	
bid_MarketParticipant.identification	The identification of the party participating in the market. --- The identification of the party that submitted the bid to the auction for which the results are being provided.	
bidder_Reference.identification	The coded identification of a reference. --- This information provides the identification of the individual acting as bidder on behalf of a company.	
counter_MarketParticipant.identification	The identification of the party participating in the market. --- Identification of the counter party who is participating in a bundled bid.	[0..1]
bid_Quantity.amount	The amount of a quantity. --- This information defines the quantity that has been bid within the time interval period.	
bid_Quantity.bundled_Indication.indicatorCode	A boolean indicator of the type "yes" or "no". (Refer to the Edig@s IndicatorCodeTypeCodeList for the list of valid codes). --- This information defines the quantity that has been bid within the time interval period.	[0..1]
min_Quantity.amount	The amount of a quantity. --- This information defines the minimum amount of capacity for the respective standard capacity product which the Capacity Responsible Party is willing to be allocated according to the relevant algorithm in case the Capacity Responsible Party is not allocated the amount requested otherwise the bid will be void.	[0..1]
min_Quantity.bundled_Indication.indicatorCode	A boolean indicator of the type "yes" or "no". (Refer to the Edig@s IndicatorCodeTypeCodeList for the list of valid codes). --- This information defines the minimum amount of capacity for the respective standard capacity product which the Capacity Responsible Party is willing to be allocated according to the relevant algorithm in case the Capacity Responsible Party is not allocated the amount requested otherwise the bid will be void.	[0..1]
allocated_Quantity.amount	The amount of a quantity. --- This information defines the quantity that has been allocated by the capacity platform to the bid.	[0..1]

Attribute	Description	Multiplicity
allocated_Quantity.bundled_Indication.indicatorCode	A boolean indicator of the type "yes" or "no". (Refer to the Edig@s IndicatorCodeTypeCodeList for the list of valid codes). --- This information defines the quantity that has been allocated by the capacity platform to the bid.	[0..1]
auctionBooking_Reference.identification	The coded identification of a reference. This is the specific booking ID. --- This information provides the identification of the booking that has been assigned by the capacity platform for the allocated quantity.	[0..1]
bid_Price.amount	The monetary amount of a price. --- The price that the bidder proposed in a uniform price auction.	[0..1]
totalRequestedUpgrade_Quantity.amount	The amount of a quantity. --- This information defines the total requested quantity of interruptible capacity to be upgraded into firm capacity.	[0..1]
totalRequestedUpgrade_Quantity.bundled_Indication.indicatorCode	A boolean indicator of the type "yes" or "no". (Refer to the Edig@s IndicatorCodeTypeCodeList for the list of valid codes). --- This information defines the total requested quantity of interruptible capacity to be upgraded into firm capacity.	[0..1]
totalRequestedConversion_Quantity.amount	The amount of a quantity. --- This information defines the total requested quantity of unbundled capacity to be converted into bundled capacity.	[0..1]
totalRequestedConversion_Quantity.bundled_Indication.indicatorCode	A boolean indicator of the type "yes" or "no". (Refer to the Edig@s IndicatorCodeTypeCodeList for the list of valid codes). --- This information defines the total requested quantity of unbundled capacity to be converted into bundled capacity.	[0..1]
from_Account.identification	The identification of an account.	[0..1]
from_Account.accountCode	The identification of an account type. (Refer to the Edig@s AccountCodeTypeCodeList for the list of valid codes).	[0..1]
to_Account.identification	The identification of an account.	[0..1]
to_Account.accountCode	The identification of an account type. (Refer to the Edig@s AccountCodeTypeCodeList for the list of valid codes).	[0..1]
status.statusCode	A code providing the status of an object. (Refer to the Edig@s StatusCodeTypeCodeList for the list of valid codes). --- This information provides the status of the bid.	
bidRolledOver_Indication.indicatorCode	A boolean indicator of the type "yes" or "no". (Refer to the Edig@s IndicatorCodeTypeCodeList for the list of valid codes). --- This information provides the indication that the bid has been rolled over to this auction. This only applies to a roll over between a day ahead auction and the first within day auction.	[0..1]

161 4.3.2.4 ConversionReference_Document

162 Basic information needed to describe most electronic documents.

163 There may be zero to many ConversionReference_Documents for a bid document. In the case where it is required to
 164 identify the unbundled capacity that may be used to create bundled capacity, this class is used to provide the contract
 165 document reference governing the unbundled capacity as well as the relevant quantity.

166 4.3.2.4.1 Attributes

Attribute	Description	Multiplicity
identification	A unique identification of a document. The contract reference identification assigned by a System Operator for an unbundled capacity allocation.	
holdingTso_MarketParticipant.identification	The identification of the party participating in the market. --- Identification of the System Operator that holds unbundled capacity.	
totalRequestedConversion_Quantity.amount	The amount of a quantity. --- This information defines the total quantity of unbundled capacity that is requested by the Capacity Responsible Party to be converted into bundled capacity.	[0..1]
totalRequestedConversion_Quantity.bundled_Indication.indicatorCode	A boolean indicator of the type "yes" or "no". (Refer to the Edig@s IndicatorCodeTypeCodeList for the list of valid codes). --- This information defines the total quantity of unbundled capacity that is requested by the Capacity Responsible Party to be converted into bundled capacity.	[0..1]

167 4.3.2.5 Conversion_Account

168 The account or accounts used in a transaction.

169 --- In the case where internal accounts are used to identify an unbundled account the following may be provided.

170 4.3.2.5.1 Attributes

Attribute	Description	Multiplicity
identification	The identification of an account. The identification of the internal Capacity Responsible Party account that identifies unbundled capacity.	
conversion_Quantity.amount	The amount of a quantity. --- This information defines the quantity of unbundled capacity that is requested by the Capacity Responsible Party to be converted into bundled capacity.	
conversion_Quantity.bundled_Indication.indicatorCode	A boolean indicator of the type "yes" or "no". (Refer to the Edig@s IndicatorCodeTypeCodeList for the list of valid codes). --- This information defines the quantity of unbundled capacity that is requested by the Capacity Responsible Party to be converted into bundled capacity.	[0..1]

171

172 4.3.2.6 UpgradeReference_Document

173 There may be zero to many UpgradeReference_Documents in a bid document. In the case where it is required to
 174 identify the upgraded interruptible capacity that may be used to partially or completely finance a firm capacity bid,
 175 this class is used to provide the contract document reference governing the interruptible capacity as well as the
 176 relevant quantity.

177 4.3.2.6.1 Attributes

Attribute	Description	Multiplicity
identification	The coded identification of a reference. --- The contract reference identification assigned by a System Operator for an interruptible capacity allocation	
holdingTso_MarketParticipant.identification	The identification of the party participating in the market. --- Identification of the System Operator that holds unbundled capacity.	
totalRequestedupgrade_Quantity.amount	The amount of a quantity. --- This information defines the total requested quantity of interruptible capacity to be upgraded into firm capacity.	[0..1]
totalRequestedupgrade_Quantity.bundled_Indication.indicatorCode	A boolean indicator of the type "yes" or "no". (Refer to the Edig@s IndicatorCodeTypeCodeList for the list of valid codes). --- This information defines the total requested quantity of interruptible capacity to be upgraded into firm capacity.	[0..1]

178 4.3.2.7 Upgrade_Account

179 The account or accounts used in a transaction.

180 --- In the case where internal accounts are used to identify an interruptible account the following may be provided.

181 4.3.2.7.1 Attributes

Attribute	Description	Multiplicity
identification	The identification of an account.	
upgrade_Quantity.amount	The amount of a quantity. --- This information defines the total quantity of interruptible capacity that is requested by the Capacity Responsible Party to be upgraded into firm capacity.	
upgrade_Quantity.bundled_Indication.indicatorCode	A boolean indicator of the type "yes" or "no". (Refer to the Edig@s IndicatorCodeTypeCodeList for the list of valid codes). --- This information defines the total quantity of interruptible capacity that is requested by the Capacity Responsible Party to be upgraded into firm capacity.	[0..1]

182 4.3.2.8 So_MarketParticipant

183 There may be a single "To" So_MarketParticipant and/or a single "From" So_MarketParticipant class. The class
 184 exists for a System Operator who has entry or exit capacity, and both are mandatory in the case of a bundled
 185 capacity auction.

186 4.3.2.8.1 Attributes

Attribute	Description	Multiplicity
identification	The identification of the party participating in the market. --- Identification of the System Operator that is participating in the auction.	
availability.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).	

Attribute	Description	Multiplicity
price_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). --- The unit of measure which is related to the prices for the System Operator.	
currency.currencyCode	The identification of the formal code for a currency (ISO 4217). (Refer to the Edig@s CurrencyCodeTypeCodeList for the list of valid codes). --- This information defines the currency of a price in relation to a System Operator.	
currency.exchangeRate	The rate of exchange to convert the amount in a currency to Euro. --- This information defines the currency of a price in relation to a System Operator.	[0..1]
premium_Price.amount	The monetary amount of a price. --- The premium price established by the capacity platform following an auction by identifying the highest bid price in the auction.	[0..1]
reserve_Price.amount	The monetary amount of a price. --- The price that is the minimum eligible floor price for the System Operator, being equal to its regulated tariff.	[0..1]

187 4.3.2.9 Cost_Price

188 The price of an object.

189 --- This defines an additional amount that has to be added to the total price of a bid

190 4.3.2.9.1 Attributes

Attribute	Description	Multiplicity
priceCode	The coded type of a price. (Refer to the Edig@s PriceCodeTypeCodeList for the list of valid codes). Identification of the type of a specific cost amount.	
amount	The monetary amount of a price. --- This defines an additional amount that has to be added to the total price of a bid	

191

192 5 Document Change Log

193 5.1 Version

194 5.1.1 Attributes

Attribute	Description	Multiplicity
Version 1 2020-06-29	Initial release	
Version 2 2021-05-04	Release 6.1 Contract reference in AUCBID updated to be a mandatory attribute, and nominationAccount attribute has been updated to "to_Account" and "from_Account".	

195