

Business Requirements Specification
for the
Capacity Allocation Mechanism (CAM)
Network Code
and the
Congestion Management Procedures (CMP)
Guidelines

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10 Log of changes

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1 Introduction

The Regulation (EU) No. 984/2013 for Capacity Allocation Mechanism (CAM NC) and the Commission Decision (2012/490/EU) on Congestion Management Procedures (CMP guidelines) set forth provisions regarding capacity allocation mechanisms and congestion management procedures. The CAM NC defines a standardised capacity allocation mechanism in the form of an auction procedure for relevant Interconnection Points within Europe, including the underlying Standard Capacity Products to be offered and the description of how cross-border capacity is to be allocated. The manner in which adjacent Transmission System Operators cooperate in order to facilitate capacity sales, taking into consideration general commercial as well as technical rules related to capacity allocation mechanisms are also outlined.

Additionally, the CMP guidelines define how congestion management procedures are put into place in the event of contractual congestion.

2 Scope

This document defines the external business requirements that are necessary for a harmonised implementation of the transmission of information between parties related to the CAM Network Code, the CMP guidelines and other issues not included in these regulations but related to them (marked as “not referenced in the CAM/CMP regulation” in this document, e.g. credit limits, master data). It is intended to be used by parties participating in the capacity allocation mechanism and congestion management procedures. In particular, the Business Requirements Specification (BRS) enables EASEE-gas to produce the Message Implementation Guideline (MIG).

The BRS does not cover the following subjects, which are referred to in the CAM NC/CMP guidelines but are not essential for the allocation of primary and secondary capacity or for congestion management:

- Co-ordination of maintenance information
- Nominations against capacity rights
- Cooperation between Auction Offices

This BRS covers requirements for the harmonised implementation of auctions for primary capacity, for secondary market capacity right transfer processes and congestion management procedures as specified in the CAM NC/CMP guidelines. The requirements therefore define the necessary interfaces for the implementation, from an IT perspective, of a capacity allocation and congestion management system.

This BRS is targeted towards business-to-business application interfaces or in a more user-orientated fashion through a web-based service.

This document does not define a governance process for attribute definitions or other requirements. Such a process will need to be determined and defined elsewhere.

The requirements set out in this document are subject to change if there is any change in the obligations on Transmission System Operators or any other party.

3 Business Requirements

This section describes in detail the business requirements that the information flows are intended to satisfy.

3.1 CAM/CMP requirements

This section outlines the overall business process behaviour of the system without going into the detailed internal workings of each entity. It defines the external requirements of the business process: the relationships between the entities concerned.

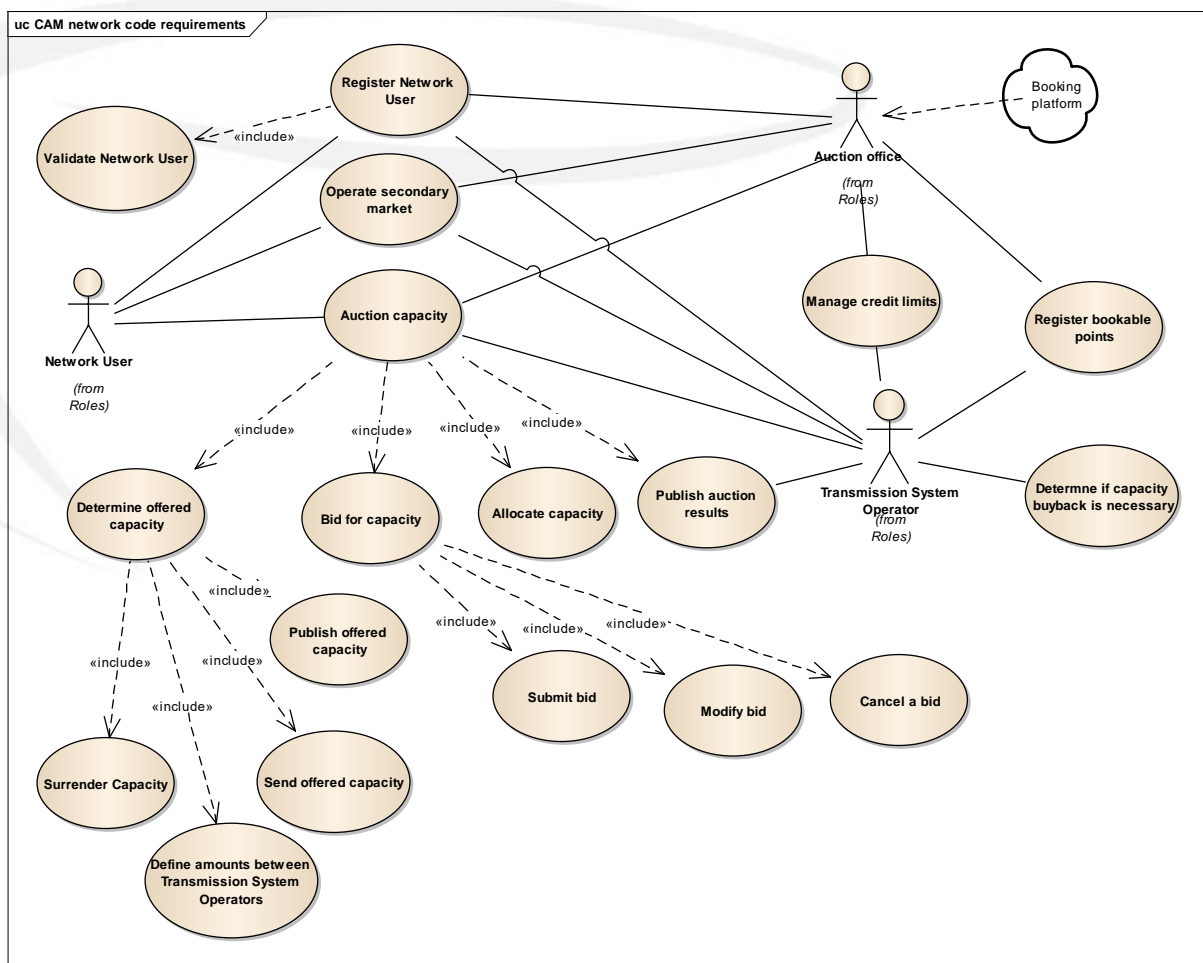


Figure 1: overview of the CAM/CMP process use case

182 **3.1.1 List of actors**

183 **3.1.1.1 Auction Office**

184 The party that is responsible for the reception of bids and for the allocation of capacity as well
185 as for the management of the booking platform, acting on behalf of Transmission System
186 Operators.

187 **3.1.1.2 Network User**

188 A Network User is defined in the Regulation (EU) No. 715/2009 in Article 2 (11). A Network
189 User that has acceded to and is compliant with all applicable legal and contractual
190 requirements that enable him/her to book, trade and use capacity on the relevant
191 Transmission System Operator's network under a capacity contract.

192 **3.1.1.3 Transmission System Operator**

193 A natural or legal person who carries out the function of transmission and is responsible for
194 operating, ensuring the maintenance of, and, if necessary, developing the transmission
195 system in a given area, and, where applicable, its interconnections with other systems. It is
196 also responsible for ensuring the long term ability of the system to meet reasonable demands
197 for the transportation of gas.

198 **3.1.1.4 Booking platform**

199 An application that implements the rules and processes for offering and allocation of all
200 capacity and may permit Network Users to offer and obtain secondary capacity.

201 It is managed by an Auction Office.

3.2 Use case detail

Besides the aforementioned requirements for coordinated implementation, the further core processes need to be considered as preconditions to the implementation of other requirements arising from NC CAM. It is understood that the registration of the Transmission System Operators is always carried out within the relevant Auction Offices.

3.2.1 Register Network User (not referenced in the CAM/CMP regulation)

In order to participate in the CAM/CMP processes to obtain capacity, the Network User and the personnel authorised to use the booking platform (authorised personnel) need to be registered with the Auction Office and the Transmission System Operator(s). The registration process includes the submission of the individual Network User master data to the Auction Office and the Transmission System Operator(s).

The Network User also transmits to the Transmission System Operator(s) the data required by the Transmission System Operator(s), from whom the Network User would like to get capacity. If required the Network User transmits its registration data via the Auction Office to the Transmission System Operator(s).

The Network User transmits to the Auction Office the data required by the Auction Office for gaining access to the booking platform.

The new Network User must provide a unique identification, such as an EIC code, to the Auction Office and to the Transmission System Operator(s) in order to ensure a unique identifier of the company on the booking platform in place. The Network User also provides information concerning each of its authorised personnel. Network User accounts may be provided to the Auction Office where required by the Transmission System Operator.

The Auction Office after verification forwards the necessary data to the Transmission System Operator for validation.

3.2.1.1 Validate Network User registration

The Transmission System Operator validates the information received.

The result of the validation is communicated to the Auction Office. The Auction Office informs the Network User of the approval/rejection of access to the booking platform. The approval/rejection information regarding the access to the Transmission System Operator(s) networks(s) is provided by the Transmission System Operator(s). In the case where the Network User registers via the Auction Office, it is provided by the Auction Office.

3.2.2 Register Bookable Points

Before any capacity can be offered to the market the bookable points need to be defined by the Transmission System Operators and submitted to the Auction Office for the publication on the booking platform. Necessary updates of bookable point data are also included in this process.

239 A bookable point is defined by several items (see definition in chapter 3.5).

240 The bookable point bundling process is managed by the Auction Office.

241 The bookable point will then be visible on the booking platform.

242 3.2.3 Auction capacity

243 This use case permits the auction and the allocation of capacity at an interconnection point
244 using an "ascending clock" or "uniform price" auction mechanism, as described in Articles 17
245 and Article 18 CAM NC, respectively. In the case the reverse process is carried out through an
246 auction, the same auction process may be used with the exception that the use case
247 "Determine offered capacity" is replaced by the use case "Determine reverse auction
248 capacity" to cover the determination of reverse auction capacity.

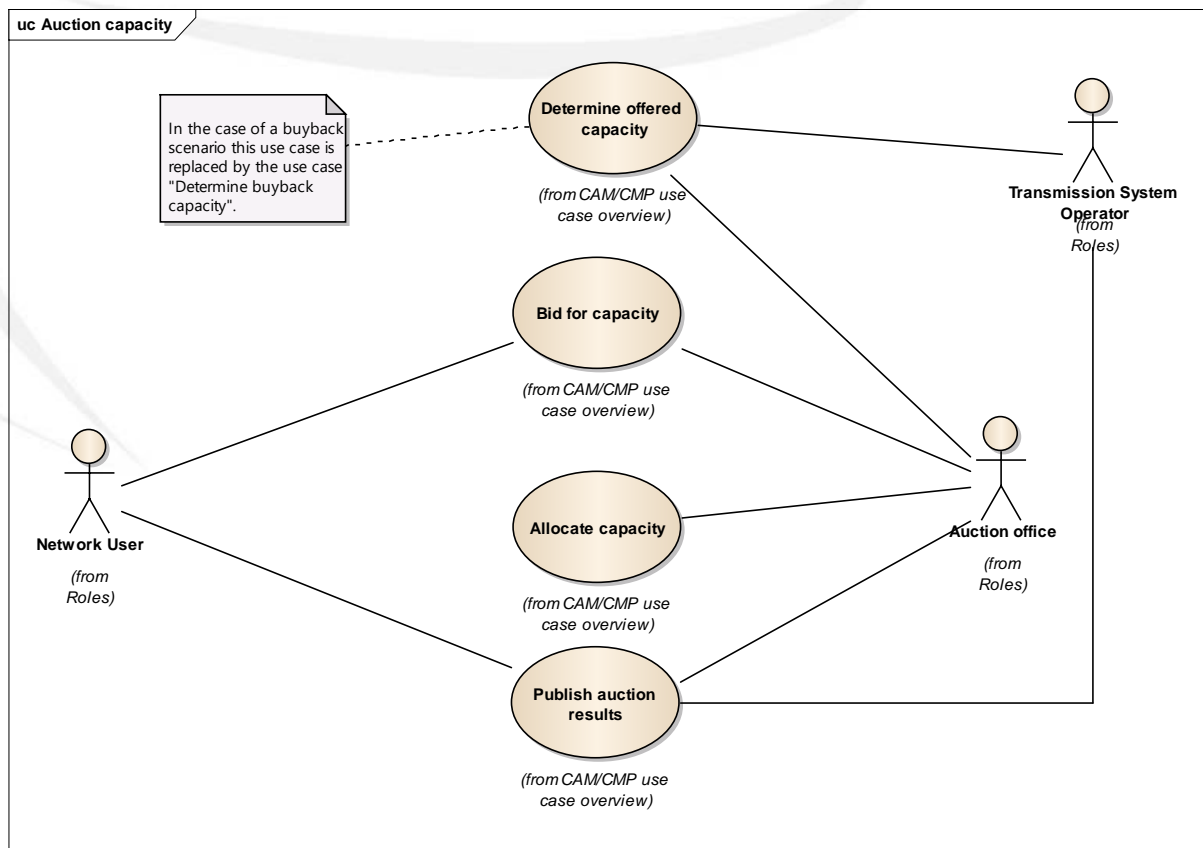


Figure 2: the auction capacity use case

251 Figure 2 outlines the relations that exist between each of the use cases and the actors.

3.2.3.1 Determine offered capacity

The Transmission System Operator determines the capacity that shall be offered to the market for auctioning. The determination of the capacity is carried out through the use case as outlined in the use case in Figure 3.

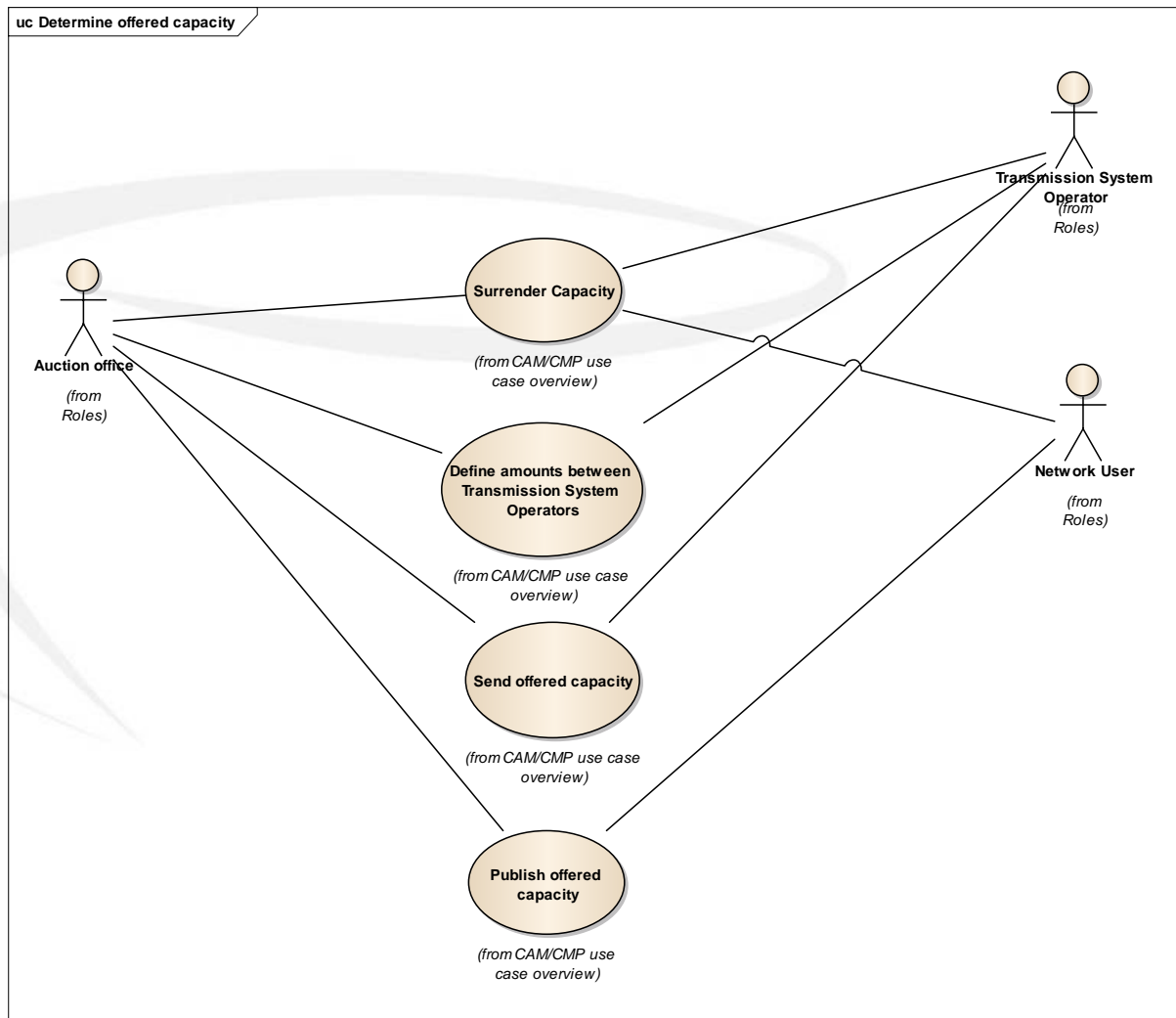


Figure 3: Determine offered capacity use case

Once the Transmission System Operator has defined the Offered Capacity it is transmitted to the Auction Office.

3.2.3.1.1 Surrender capacity

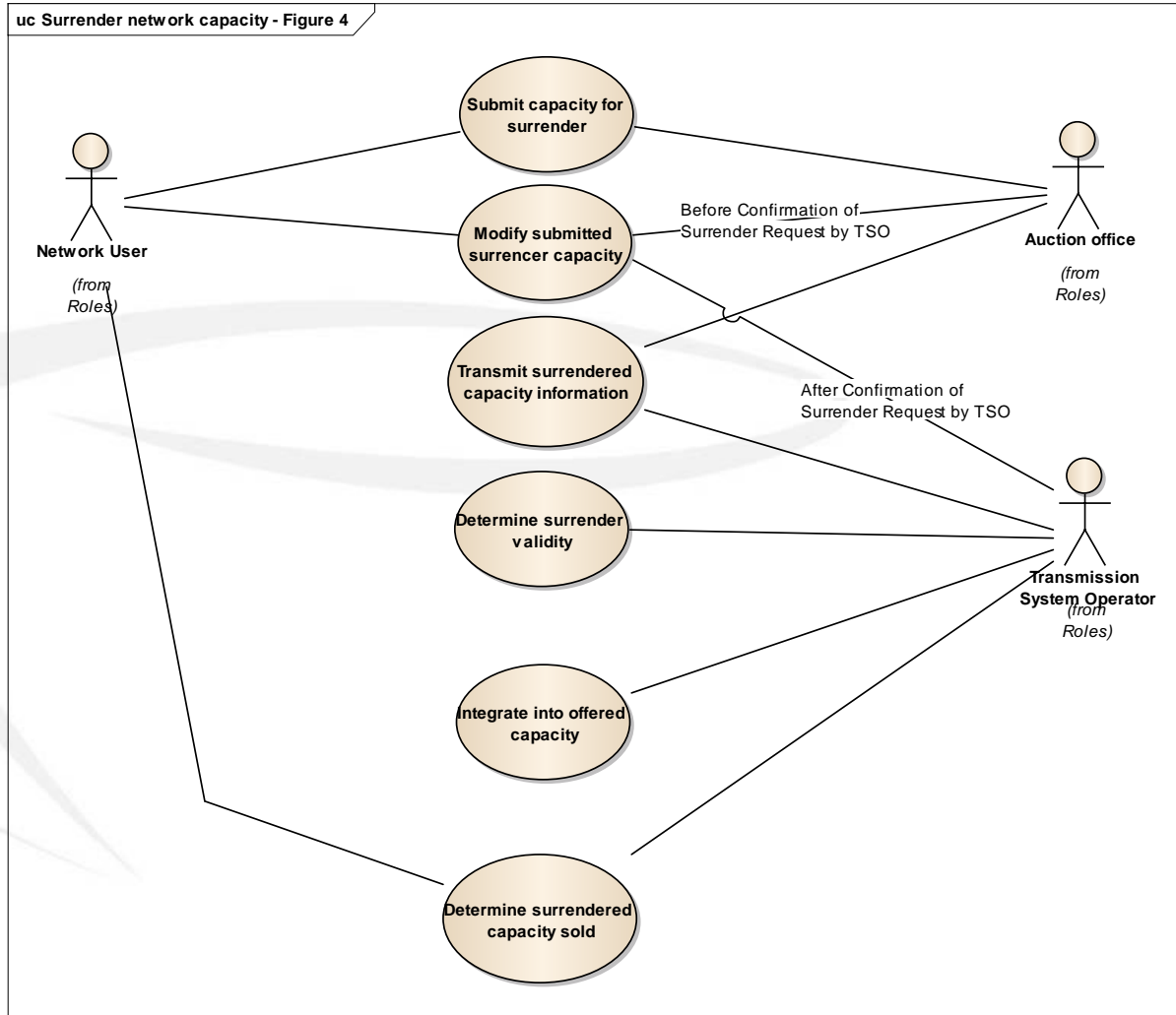


Figure 4: CMP surrender network capacity use case

3.2.3.1.1.1 Submit capacity for surrender

If the surrender process is supported by the Transmission System Operator(s), the Network User shall surrender capacity to the Auction Office for resale at any time according to the applicable regulatory framework. The surrendered capacity must be identified as bundled or unbundled and concerns at least capacity products with a duration longer than a day (subject to the NRA decision).

Bundled capacity shall only be surrendered as bundled (subject to the NRA decision). A bundled or unbundled capacity surrender request must identify the Transmission System Operator(s). A bundled capacity surrender request shall be forwarded to the involved Transmission System Operators for validation.

3.2.3.1.1.2 Transmit surrendered capacity information

274 The Auction Office transmits the surrendered capacity received to the Transmission System
275 Operator(s) after internal validation by the Auction Office.

276 The Transmission System Operator forwards its positive/negative validation response of the
277 surrender request to the Auction Office. The Auction Office informs the Network User about
278 the confirmation/rejection by the Transmission System Operator.

279 Extra steps for surrender may be implemented by the Auction Office.

280 **3.2.3.1.1.3 Determine surrender validity**

281 The Transmission System Operator ensures the validity of all Network Users submission.

282 **3.2.3.1.1.4 Modify a surrender**

283 As long as lead times constraints are respected, the Network User may cancel all or part or a
284 surrender request by submitting a recall surrender request which, as long as lead time
285 constraints for capacity publication are respected, will be taken into account by the
286 Transmission System Operator.

287 In case the surrender request has been confirmed by the Transmission System Operator(s) to
288 the Network User, any modifications may have to be sent directly to the involved
289 Transmission System Operator(s) by the Network User.

290 **3.2.3.1.1.5 Integrate into Offered Capacity**

291 Once the surrendered capacity is validated, the Transmission System Operator integrates the
292 information into the offered capacity.

293 **3.2.3.1.1.6 Determine surrendered capacity sold**

294 The Transmission System Operator allocates the surrendered capacity sold to the Network
295 Users depending on local market rules and informs them of their capacity that has been sold.

296 When allocating the surrendered capacity sold to the Network Users the Transmission
297 System Operator allocates the surrendered capacity on a first come first served basis.

298 **3.2.3.1.2 Define amount between Transmission System Operators**

299 The Transmission System Operator calculates the capacity to be offered within the booking
300 platform. A Transmission System Operator may inform the Auction Office about any
301 competition between several connection points, capacity types and any relevant information
302 related to Article 19 (5(a) and (b) CAM NC.

303 In case of a competing situation involving more than one Transmission System Operator, the
304 competition algorithm is managed by the Auction Office.

305 1st option:

306 As default rule, the Transmission System Operators shall decide to let the Auction
307 Office determine the bundled and unbundled capacity that makes up the established
308 offered capacity. Each Transmission System Operator at each side of the IP shall

inform the Auction Office of the offered capacity. The Auction Office shall apply the lesser rule in order to determine the bundled capacity.

Any differences between the lesser value calculated by the Auction Office and the capacity previously sent by Transmission System Operators can be considered as unbundled capacity and may be auctioned separately.

Such unbundled capacity will be clearly identified by the Auction Office to the Network Users at the time when the capacity is offered.

2nd option:

The use case “Define amounts between Transmission System Operators” is used in this case by the Transmission System Operators to define the bundled and unbundled capacity that will make up the offered capacity. The final result is then sent by both Transmission System Operators to the Auction Office for publication. In case of mismatch then both quantities are rejected.

3.2.3.1.3 Send offered capacity

The offered capacity is sent to the Auction Office (booking platform) by the Transmission System Operator.

3.2.3.1.4 Publish offered capacity

The Auction Office then publishes the part of the offered capacity that will be auctioned as bundled capacity and the part of the offered capacity that will be auctioned as unbundled capacity.

The Network Users are also informed in the publication of any starting price and, in the case of ascending clock auctions, the value of the large price step and the small price step for the bidding rounds.

3.2.3.2 Bid for capacity

For a given auction (in which one capacity product covering a specific period is offered) Network Users submit bids with the amount of capacity required (for the price step announced in the concerned bidding round in the case of an ascending clock auction) and, in the case of uniform price auctions, the price they are willing to pay on top of the starting price and they shall also indicate the minimum capacity that is acceptable in the case of a reduced allocation.

In case of an ascending clock auction, the Network User may submit only one valid bid per bidding round. This bid may be modified or withdrawn during the course of bidding round. The rules that apply during a bidding round shall be compliant with Article 17 CAM NC.

In case of a uniform price auction, the bids shall be compliant with Article 18 CAM NC.

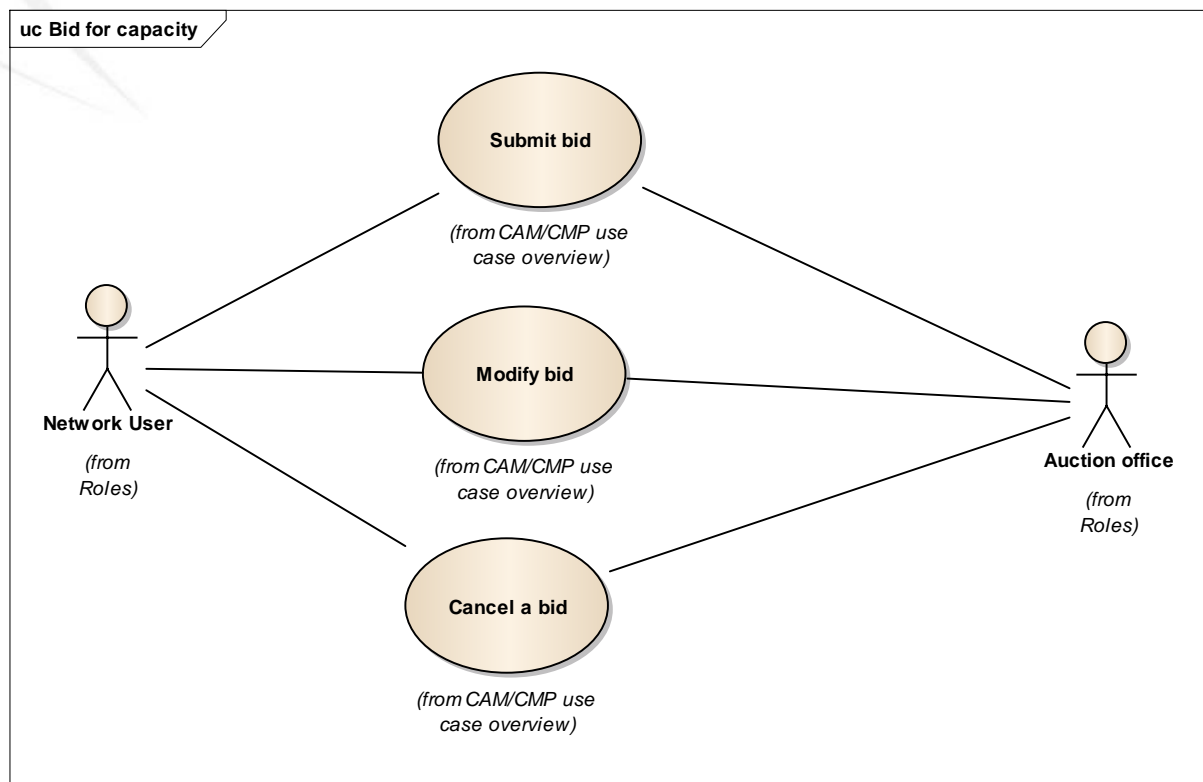


Figure 5: bid for capacity use case

3.2.3.2.1 Submit bid

The Network User submits bids for an amount of capacity for the price step announced in the concerned bidding round, in the case of an ascending clock auction, or an amount of capacity (requested and minimum) and price, in the case of a uniform price auction. Each bid shall refer to a given product within a given auction. In an ascending clock auction, such bids shall respect the rules on bid quantities set out in Article 17(5), (8 and (16) CAM NC.

3.2.3.2.2 Modify bid

As long as the bidding round is open, a Network User may modify the bid according to the requirements stated in Article 17 CAM NC and Article 18 CAM NC.

3.2.3.2.3 Cancel a bid

The Network User may at any time before the closure of a bidding round cancel a bid placed earlier in that round according to the requirements stated in Article 17 CAM NC and Article 18 CAM NC.

Exceptional cases in which a Network User cannot cancel a bid are bidding rounds with small price steps in ascending clock auctions according to the requirements stated in Article 17.

3.2.3.3 Allocate capacity

The capacity is allocated respecting market rules, as set out in article 17 (in an ascending clock auction) and Article 18 CAM NC (in a uniform price auction).

3.2.3.4 Publish auction results

Network Users are informed by the Auction Office of the results of the bids that they have submitted.

The Auction Office informs the market of the final aggregated auction information.

The Auction Office provides the Transmission System Operators with the detailed auction results.

In ascending clock auctions intermediate results may be provided to the Transmission System Operators by the Auction Office.

3.2.4 Determine if capacity buyback is necessary

uc Instigate buyback process - Figure 6

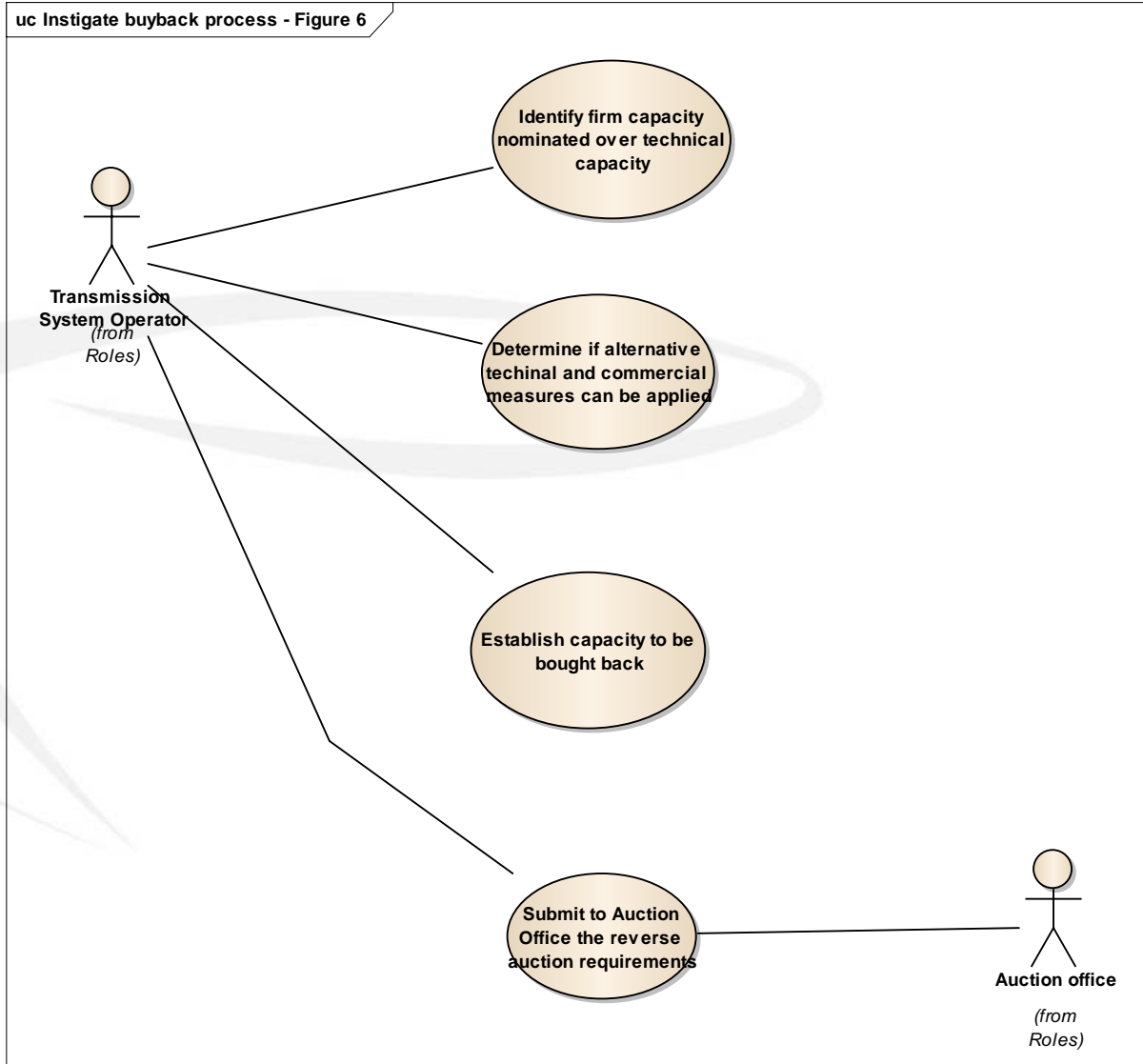


Figure 6: Reverse auction use case

3.2.4.1 Identify firm capacity nominated over technical capacity

The Transmission System Operator shall identify firm capacity nominated over technical capacity.

3.2.4.2 Determine if alternative technical and commercial measures can be applied

The Transmission system Operator then determines if any alternative technical and commercial measures can be applied.

3.2.4.3 Establish capacity to be bought back

The Transmission System Operator determines the amount of capacity that will have to be bought back in the congested direction to re-establish the situation, without taking into consideration whether the capacity is bundled or not.

For the Transmission System Operator this information is irrelevant as it seeks to achieve a flow reduction. For the Network User the bundling status is irrelevant as it states the financial compensation desired for not flowing gas.

As an alternative to the reverse auction the Transmission System Operator may also buy back the capacity by playing the role of a Network User on the secondary market.

3.2.4.4 Submit to Auction Office the reverse auction requirements

The Transmission System Operator shall send capacity to be purchased to the Auction Office so that a reverse auction can be put into place. The Transmission System Operator may include some restrictions, for example:

- the maximum price the Transmission System Operator is willing to pay for buying back the capacity
- the list of Network Users that are allowed to participate in the buy-back procedure

The use cases of submit bid, modify bid and cancel bid are the same except that the auction type is generally a uniform price auction where the seller may provide in the bid the capacity for sale and its price. Local market rules may determine that any other kind of auction mechanism may be used.

3.2.5 Operate secondary market (not referenced in the CAM/CMP regulation)

This section covers Secondary market functionalities handled by capacity booking platforms as well as the transfer of capacity rights at the conclusion of each trade.

In the text no differentiation between transfer of ownership (assignment) and transfer of use is made, however this differentiation should be included in the relevant messages.

Capacity products originally booked as bundled shall be traded as bundled products on the secondary market. A bundled capacity trade shall be forwarded to the involved Transmission System Operators for validation.

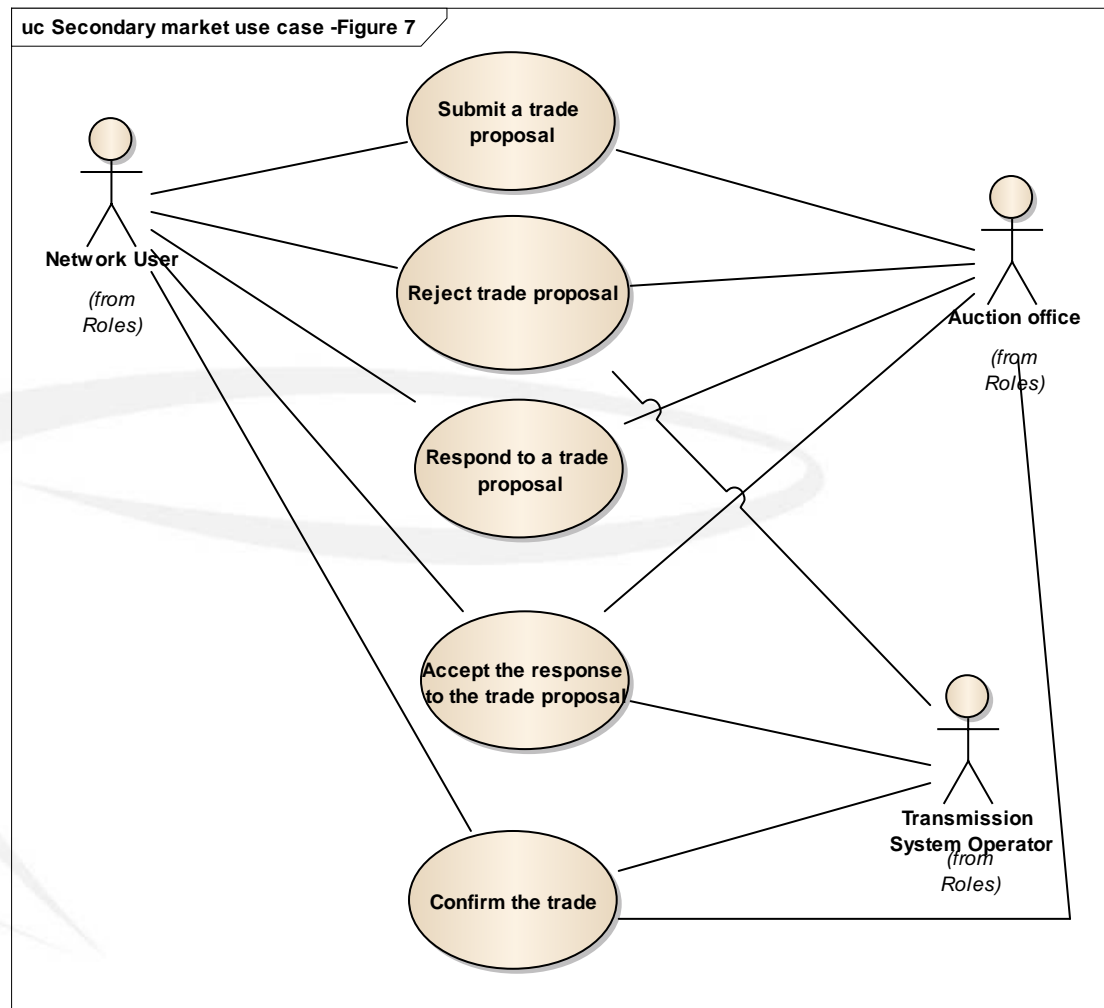


Figure 7: Secondary market capacity

3.2.5.1 Submit a Trade Proposal

A Network User has the possibility to sell or buy capacity to other Network Users.

In the text no differentiation between over the counter, call for orders and first committed first served is made, however this differentiation should be included in the relevant messages.

Consequently a Network User can submit a trade proposal to the secondary market to sell or buy capacity concerning a connection point. The proposal shall include information about the bookable point, capacity, period, availability type of capacity, bundled/unbundled, nature of transfer(full or partial transfer of rights), price and in case it is a proposal to sell capacity the identification of the related capacity contract incl. issuer of the contract, the duration over which the trade is valid. The trade proposal can be updated/withdrawn by the submitter before any trade(s) have been confirmed.

3.2.5.2 Reject a Trade Proposal

If a trade proposal is submitted to an Auction Office, the Auction Office shall forward the trade proposal to the Transmission System Operator(s) at their request. The Transmission System Operator has the possibility to reject the trade proposal if the proposal does not meet the pre-defined conditions for a trade. The rejection is communicated to the Auction Office, who will forward the information to the concerned Network User(s) and Transmission System Operator(s).

3.2.5.3 Respond to a Trade Proposal

After the publication of a trade proposal Network Users can respond to it by conceding the offer at a given price or by proposing capacity at a requested price.

3.2.5.4 Accept the response to a Trade Proposal (conditional to Transmission System Operator approval)

If an appropriate response to a trade proposal is received from a Network User, the submitter of the trade proposal can close the trade by accepting the response. Once the response to the trade proposal is accepted, it is sent to the relevant Transmission System Operator(s) for confirmation.

3.2.5.5 Confirm a Trade

The Transmission System Operator(s) must be informed about the trade by the involved Network Users or by the Auction Office on their behalf. The Transmission System Operator(s) confirms or rejects the transfer after carrying out the necessary validity checks.

The information about the confirmation or rejection of a transfer is sent to the involved Network Users.

The Transmission System Operator(s) has/have a maximum of 5 working days for confirming a trade for capacity rights after it has been concluded. For the transfer of use of day-ahead capacity rights a maximum confirmation time of 6 hours starting at 10:00 am (UTC)¹ applies. One or both network user(s) has/have to submit its/their trade latest at 10:00 am (UTC)² on D-1.

3.2.6 Manage credit limits (not referenced in the CAM/CMP regulation)

In order to ensure that a Network User is permitted to purchase a given quantity of capacity during the auction process or a secondary market transaction a Transmission System Operator may inform the Auction Office of the permitted financial limits for a Network User if required.

¹ Winter time; 09:00 am (UTC) daylight saving time

² Winter time; 09:00 am (UTC) daylight saving time

The Transmission System Operator identifies each product (auction and trades) subjected to credit limit verification and the multiplication factor(s) to be applied to a Network User's bid (starting price + surcharge) associated to a specific product and to trades, considering the duration of the trades. This defines the framework. The Transmission System Operator transfers to the Auction Office information concerning the Network User validity period(s) of the limits and associated credit value(s).

The Transmission System Operator informs the Auction Office of the Network User credit limits every time these evolve.

Network Users may be able to consult their credit limit information on the booking platform if such a right is accorded by the Transmission System Operator. The financial value for a given Network User's bid associated to a specific product is determined by the multiplication of the unitary price (starting price + surcharge), amount, the period associated with the product, which intersects with the credit limit validity period and the multiplication factor of the credit limit for this product. Before the acceptance of a Network User's bid, the Auction Office verifies if the Network User's credit limit is equal to or greater than the financial value of the bid. If this is the case, the Auction Office accepts the bid and adjusts the remaining credit value after each bid submission and capacity allocation. The Auction Office may provide the used credit value upon request of the Transmission System Operator.

A Network User may have a credit limit and an associated validity period. The credit limit covers all the guarantees that the Network User may hold.

The Transmission System Operator may define several frameworks. Each framework includes the following information: name of the framework; product type; credit factors which apply to the products.

The determination of whether or not a credit limit is exceeded is carried out on a per bid basis where for the product in each framework that the Transmission System Operator decides to apply credit limit verifications, is equal to or greater than the financial value of the bid. If this check is not positive then the credit limit is deemed to be exceeded and the bid is rejected.

During the secondary process the remaining credit value is adjusted.

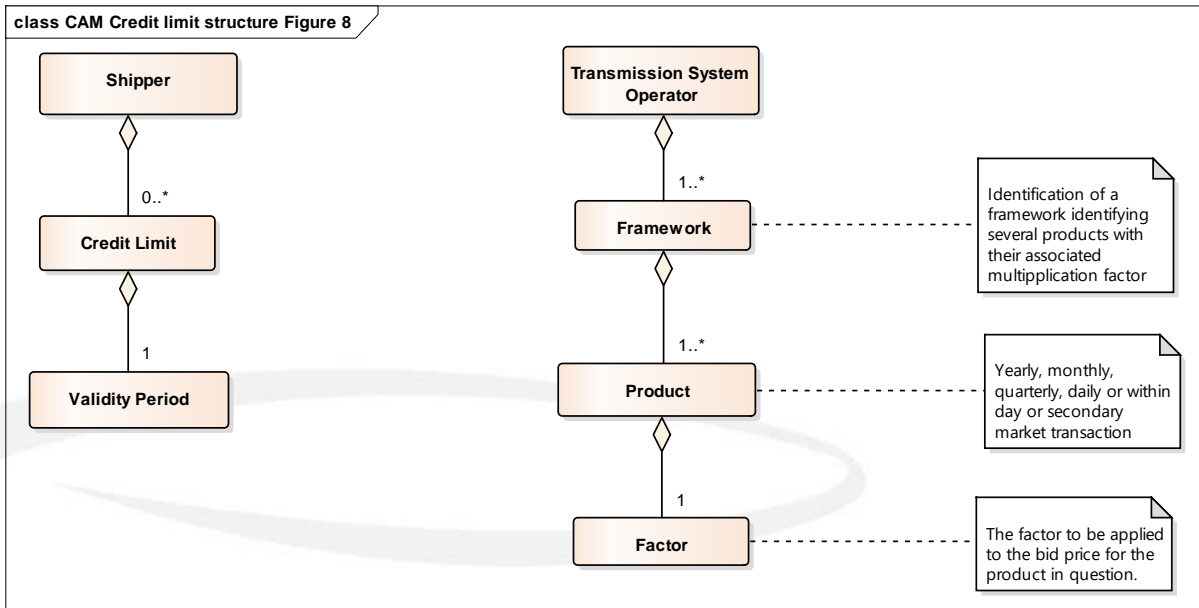


Figure 8: Credit limit requirements

3.3 Information flow definition

3.3.1 CAM/CMP Sequence flow

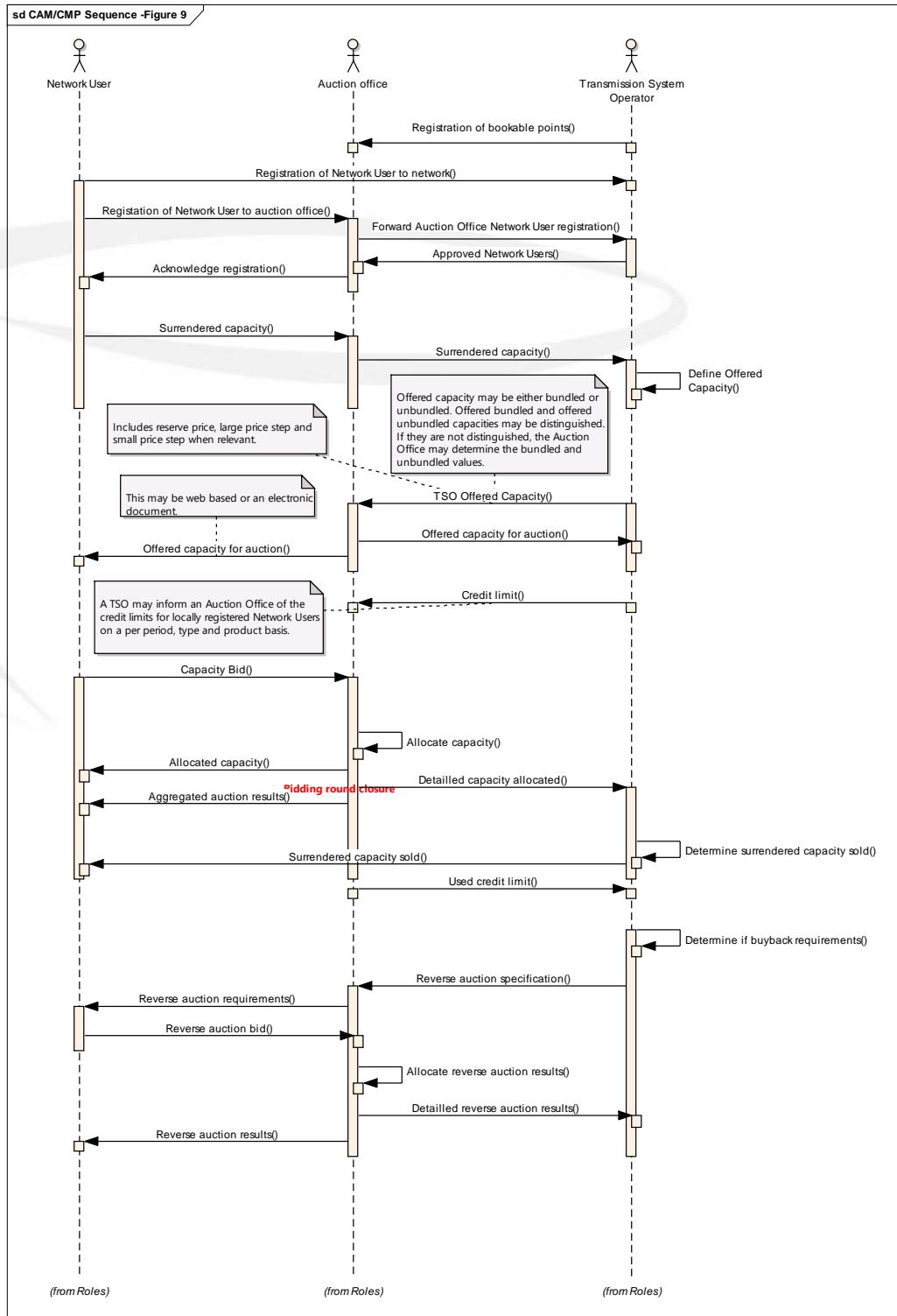


Figure 9: Information flow sequence

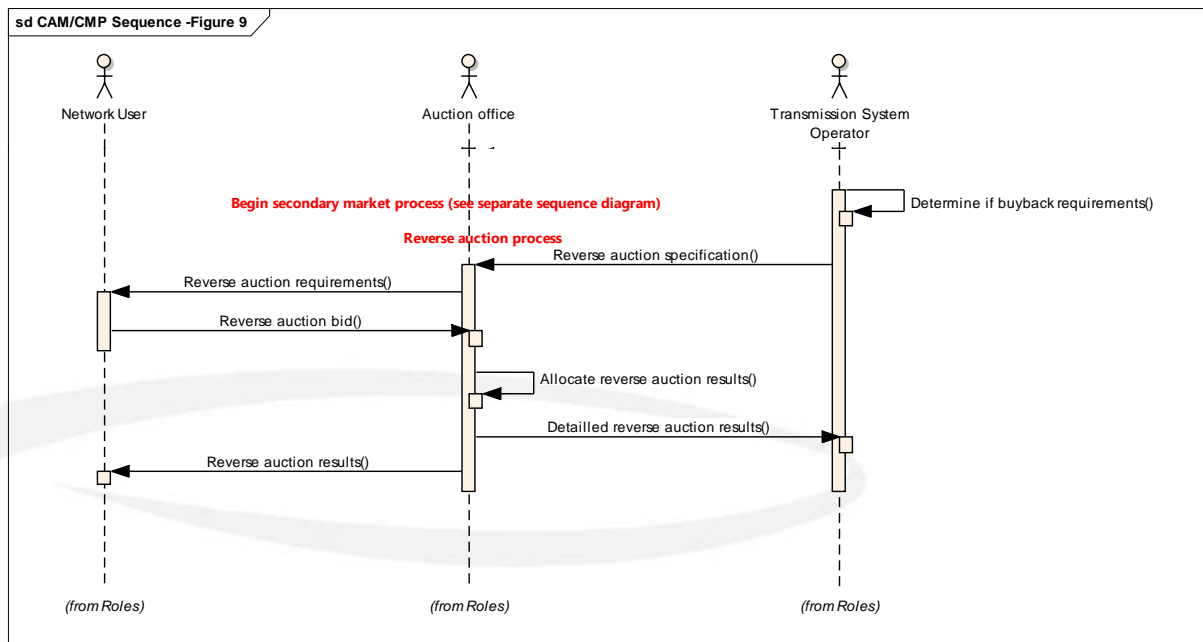


Figure 10: Information flow sequence

3.3.1.1 Bookable point registration

The Transmission System Operator provides the Auction Office with the information of all the connection points where capacity can be booked.

The data exchange solution for this data exchange is to be negotiated between the Transmission System Operator and the Auction Office.

Information Flow	From Role	To Role	Confidentiality Level	Common Data Exchange Solution
Bookable Point Registration	Transmission System Operator	Auction Office	Private	- Interactive

3.3.1.2 Network User registration to Transmission System Operator

Prior to operating on the market a Network User must register with the Transmission System Operator.

The data exchange solution for this data exchange is to be negotiated between the Transmission System Operator and the Network User.

Information Flow	From Role	To Role	Confidentiality Level	Common Data Exchange Solution
Network User Registration	Network User	Transmission System Operator	Private	- Interactive

3.3.1.3 Network User registration to Auction Office

Prior to operating on the market a Network User must register with the Auction Office if the Network User wishes to participate in CAM/CMP processes.

The data exchange solution for this data exchange is to be negotiated between the Network User and the Auction Office.

Information Flow	From Role	To Role	Confidentiality Level	Common Data Exchange Solution
Network User Registration to Auction Office	Network User	Auction Office	Private	- Interactive

3.3.1.4 Approved Network Users

The Transmission System Operator will validate and approve the Network User's participation. The Transmission System Operator informs the Auction Office of the Network Users that are permitted to participate in CAM/CMP processes.

The data exchange solution for this data exchange is to be negotiated between the Transmission System Operator, the Auction Office and the Network User.

Information Flow	From Role	To Role	Confidentiality Level	Common Data Exchange Solution
Approved Network User	Auction Office	Transmission System Operator	Private	- Document Based
Approved Network User	Transmission System Operator	Auction Office	Private	- Interactive
Approved Network User	Auction Office	Registered Network User	Private	- Interactive

3.3.1.5 Surrender capacity rights

Prior to a given auction period a Network User may surrender capacity rights that he holds for the intended period of the auction (dependent on national regulations). The capacity to

be surrendered is sent to the Auction Office for transmission to all involved Transmission System Operators. Once verified the capacity will be incorporated into the total offered capacity for the next auction product.

The common data exchange solution with the registered network user for this data exchange is shown below:

Information Flow	From Role	To Role	Confidentiality Level	Common Data Exchange Solution
Surrender Capacity Rights	Registered Network User	Auction Office	Private	Interactive

The data exchange solutions between the Auction Office and the Transmission System Operator are not part of the Network Code for Interoperability and Data Exchange Rules the data exchange solution is to be negotiated between the parties:

Information Flow	From Role	To Role	Confidentiality Level	Common Data Exchange Solution
Surrender Capacity Rights	Auction Office	Transmission System Operator	Private	- Document Based

3.3.1.6 Offered capacity

The capacity on offer shall be sent by each Transmission System Operator to the Auction Office in compliance with the business case defined in section 3.2.3.1.2.

The Auction Office assigns an auction identification to the offered capacity provided by the Transmission System Operators.

The Auction Office informs the Transmission System Operators of the products that will be auctioned and publishes the information for use by the market along with any price step information if the auction concerns an ascending clock auction.

The data exchange solutions between the Auction Office and the Transmission System Operator are not part of the Network Code for Interoperability and Data Exchange Rules the data exchange solution is to be negotiated between the parties:

Information Flow	From Role	To Role	Confidentiality Level	Common Data Exchange Solution
Offered Capacity	Transmission System Operator	Auction Office	Private	Recommended - Document Based

Information Flow	From Role	To Role	Confidentiality Level	Common Data Exchange Solution
Offered Capacity	Auction Office	Transmission System Operator	Private	Recommended - Document Based

The common data exchange solution with the registered network user for this data exchange is shown below:

Information Flow	From Role	To Role	Confidentiality Level	Common Data Exchange Solution
Offered Capacity	Auction Office	Registered Network User	Public	Interactive

3.3.1.7 Credit limit

The Transmission System Operator may inform the Auction Office of credit restrictions that have been placed on Network Users in the context of a contract. The Auction Office ensures that the cumulative purchase of auction products and trades does not exceed the Network Users credit limit. (refer to section 3.2.6)

The credit limit information may be sent to the Auction Office at any time to enable more conclusive verifications be carried out within the auctioning system. This information may include the creation, modification or suppression of a credit limit.

The Auction Office may provide used credit value of all relevant Network Users to the Transmission System Operator upon request.

The data exchange solutions between the Auction Office and the Transmission System Operator are not part of the Network Code for Interoperability and Data Exchange Rules the data exchange solution is to be negotiated between the parties:

Information Flow	From Role	To Role	Confidentiality Level	Common Data Exchange Solution
Credit Limit	Transmission System Operator	Auction Office	Private	Recommended - Document Based
Credit Limit	Auction Office	Transmission System Operator	Private	Recommended - Document Based

3.3.1.8 Capacity bid

Network Users submit bids in accordance with the type of auction being run. Before a uniform price auction or an ascending clock bidding round closes they may submit modifications to their bids or cancel the bid completely if the auction process allows it. (refer to section 3.2.3.2)

The common data exchange solution for this data exchange is shown below:

Information Flow	From Role	To Role	Confidentiality Level	Common Data Exchange Solution
Capacity Bid	Registered Network User	Auction Office	Private	Interactive

3.3.1.9 Allocated capacity

The Auction Office allocates offered capacity to a Network User's bid and informs the Network User of the quantity and price allocated according to the given auction process. (refer to section 3.2.3.3)

The common data exchange solution for this data exchange is shown below:

Information Flow	From Role	To Role	Confidentiality Level	Common Data Exchange Solution
Allocated Capacity	Auction Office	Registered Network User	Private	Interactive

3.3.1.10 Detailed capacity allocated

Once the capacity allocation has terminated the Auction Office transmits all the Network User allocations to the Transmission System Operator. (refer to section 3.2.3.4)

The data exchange solutions between the Auction Office and the Transmission System Operator are not part of the Network Code for Interoperability and Data Exchange Rules the data exchange solution is to be negotiated between the parties:

Information Flow	From Role	To Role	Confidentiality Level	Common Data Exchange Solution
Detailed Capacity Allocated	Auction Office	Transmission System Operator	Private	Recommend-Document Based

3.3.1.11 Aggregated auction results

This represents the total aggregated values for the auction (at least the clearing price and total capacity sold) and is intended for use by any market participant. (refer to section 3.2.3.4)

The common data exchange solution for this data exchange is shown below:

Information Flow	From Role	To Role	Confidentiality Level	Common Data Exchange Solution
Aggregated Auction Results	Auction Office	All	Public	Interactive

3.3.1.12 Surrendered capacity sold

When the Transmission System Operator receives the detailed results of the auction it determines if the capacity sold is greater than the Transmission System Operator's available technical capacity. If this is the case the Transmission System Operator allocates the remaining sold capacity to the Network Users that have surrendered capacity. (refer to section 3.2.3.1.1.6)

The Transmission System Operator will inform the Network User about the Surrendered Capacity Sold.

The common data exchange solution between Transmission System Operator and the registered Network user is shown below:

Information Flow	From Role	To Role	Confidentiality Level	Common Data Exchange Solution
Surrendered Capacity Sold	Transmission System Operator	Registered Network User	Private	Document based

3.3.1.13 Reverse auction requirements

In the case where it is necessary to buy back capacity via an auction, the Transmission System Operator determines how much capacity should be bought back and a cap price for any purchases.

The data exchange solutions between the Auction Office and the Transmission System Operator are not part of the Network Code for Interoperability and Data Exchange Rules the data exchange solution is to be negotiated between the parties:

Information Flow	From Role	To Role	Confidentiality Level	Common Data Exchange Solution
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Reverse Auction Requirements	Transmission System Operator	Auction Office	Private	Recommended - Document Based
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3.3.1.14 Reverse auction bid

The bidding procedure will be the same as carried out for a uniform price auction. Local market rules may determine that any other kind of auction mechanism may be used.

The common data exchange solution for this data exchange is shown below:

Information Flow	From Role	To Role	Confidentiality Level	Common Data Exchange Solution
Reverse Auction Bid	Registered Network User	Auction Office	Private	Interactive

3.3.1.15 Allocate reverse auction results

Once the reverse auction closes the Auction Office evaluates the bids received and allocates the capacity to the Network Users. The Auction Office distributes the finalised results.

In the case where bundled capacity has been sold back the adjacent Transmission System Operator is informed of the sale.

The data exchange solutions between the Auction Office and the Transmission System Operator are not part of the Network Code for Interoperability and Data Exchange Rules the data exchange solution is to be negotiated between the parties:

Information Flow	From Role	To Role	Confidentiality Level	Common Data Exchange Solution
Allocate Reverse Auction Results	Auction Office	Transmission System Operator	Private	Recommended - Document Based

The common data exchange solution for this data exchange is shown below:

Information Flow	From Role	To Role	Confidentiality Level	Common Data Exchange Solution
Allocate Reverse Auction Results	Auction Office	Registered Network User	Private	Interactive

3.3.2 Secondary market sales

Capacity may be sold on a secondary market. Bundled capacity bought in an auction shall be sold on the secondary market as bundled capacity. Unbundled capacity on both sides of an interconnection point may be bundled in the secondary market.

In the text no differentiation between transfer of ownership (assignment) and transfer of use is made, however this differentiation should be included in the relevant messages. Besides, no differentiation between over the counter, call for orders and first committed first served is made, however this differentiation should be included in the relevant messages.

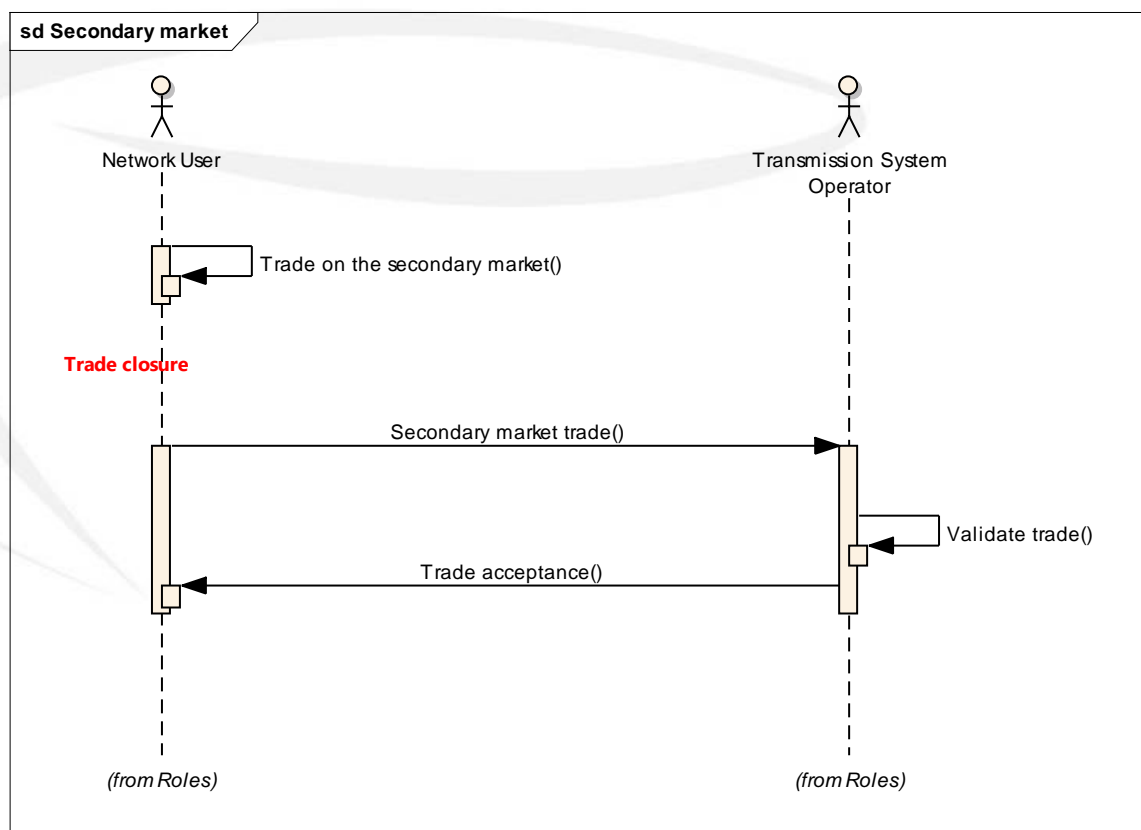


Figure 11: Secondary market sequence

If capacity is offered on the secondary market the Network User that traded the capacity or the Auction Office (on behalf of the Network Users) must inform the Transmission System Operator of the trade.

The common data exchange solution for the data exchange between the Registered Network User or Auction Office on behalf of the Registered Network User and the Transmission System Operator is shown below:

Information Flow	From Role	To Role	Confidentiality Level	Common Data Exchange Solution
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Secondary Market Sales	Registered Network User (or Auction Office)	Transmission System Operator	Private	Interactive
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634 The Transmission System Operator validates the trade information. Once the trade
635 submission is deemed valid, the Transmission System Operator confirms the trade. The
636 Transmission System Operator informs the Network Users or the Auction Office, who is acting
637 on behalf of the Network Users, about the confirmation.

638 In the case of error the Network Users are informed and take the necessary corrective action.

639 The common data exchange solution for this data exchange is shown below:

640

Information Flow	From Role	To Role	Confidentiality Level	Common Data Exchange Solution
Secondary Market Sales	Transmission System Operator	Registered Network User (or Auction Office)	Private	Interactive

3.3.3 CAM/CMP Workflow

3.3.3.1 Bookable point Administration process

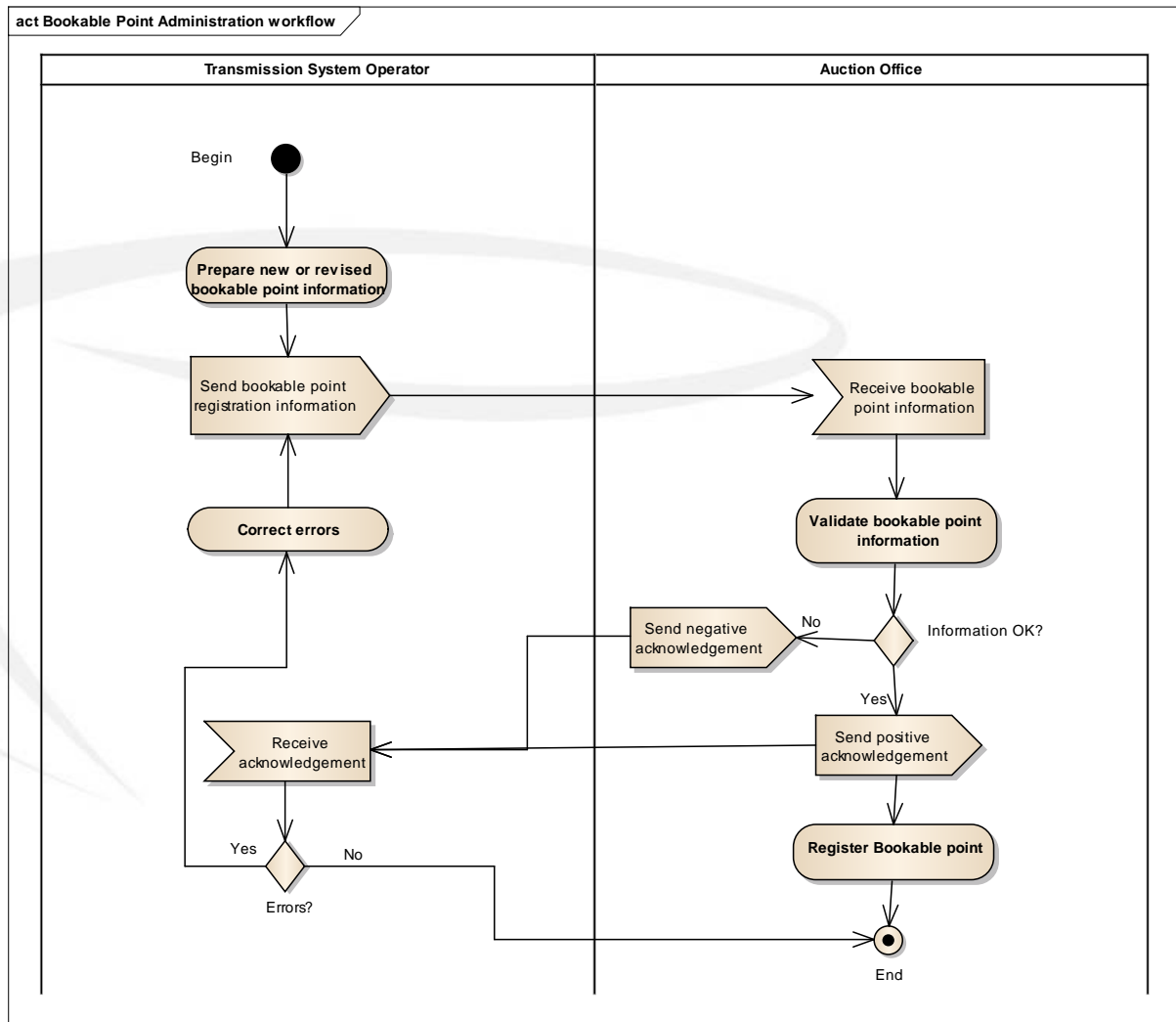


Figure 12: Bookable point Administration workflow

For the publication of bookable points on the booking platform the Transmission System Operator sends to the Auction Office the data for each bookable point, where capacity is going to be sold. This includes the data for a new bookable point as well as data updates for an existing and already published bookable point.

3.3.3.2 Network User Registration process

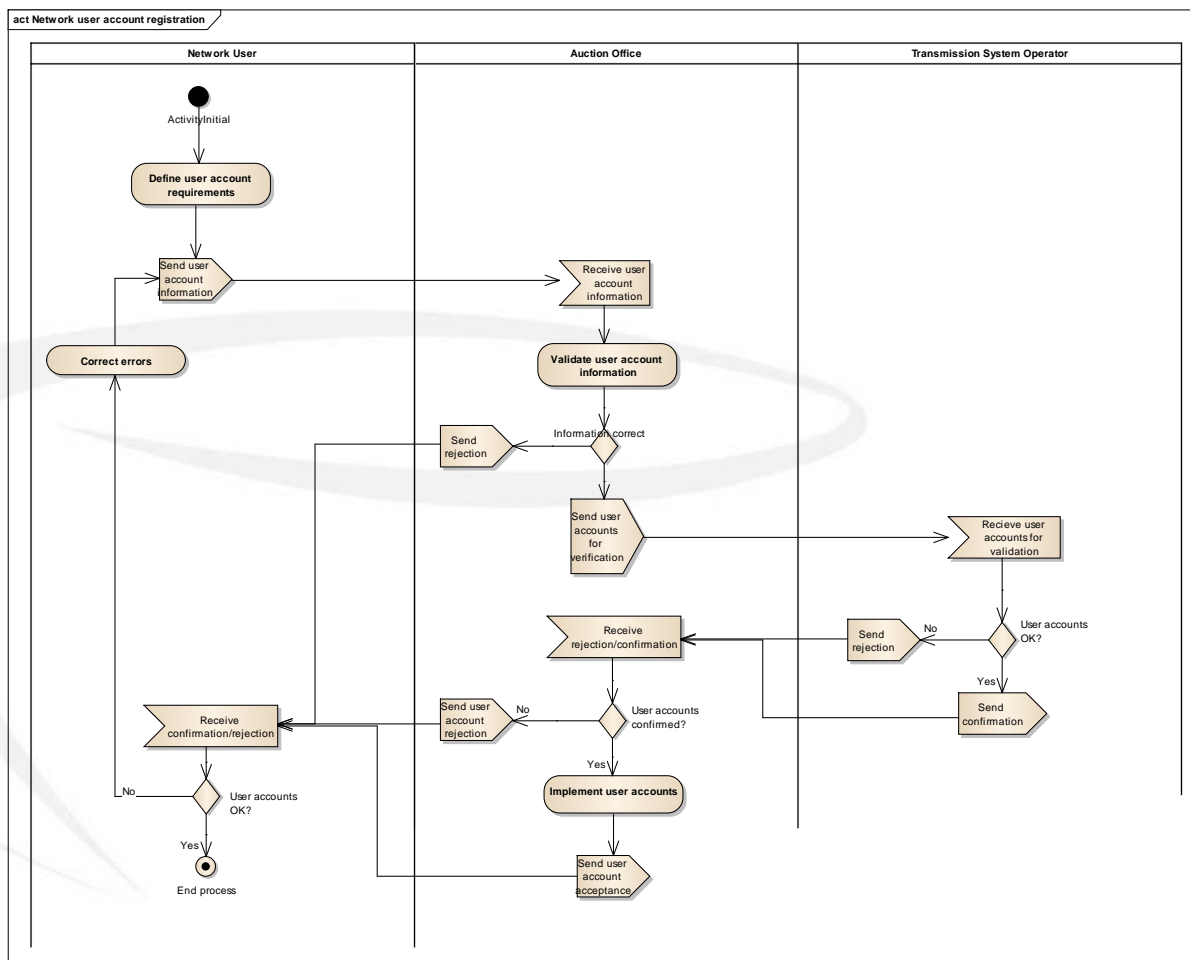


Figure 13: Network User Registration workflow

Two Network User registrations are required for each Network User. One for the registration to the Transmission System Operator network and one to the Auction Office.

The Auction Office registration request includes at least one authorised person and at least one Transmission System Operator identification.

Network User accounts are provided by the Network User or the Transmission System Operator on behalf of the Network User to the Auction Office if required by the Transmission System Operator. The Auction Office validates the registration data and forwards the valid requests to the identified Transmission System Operator for approval. The Transmission System Operator confirms/rejects the approval request. Once confirmed, the registration information is then sent to the Network User.

662 3.3.3.3 Offered capacity process

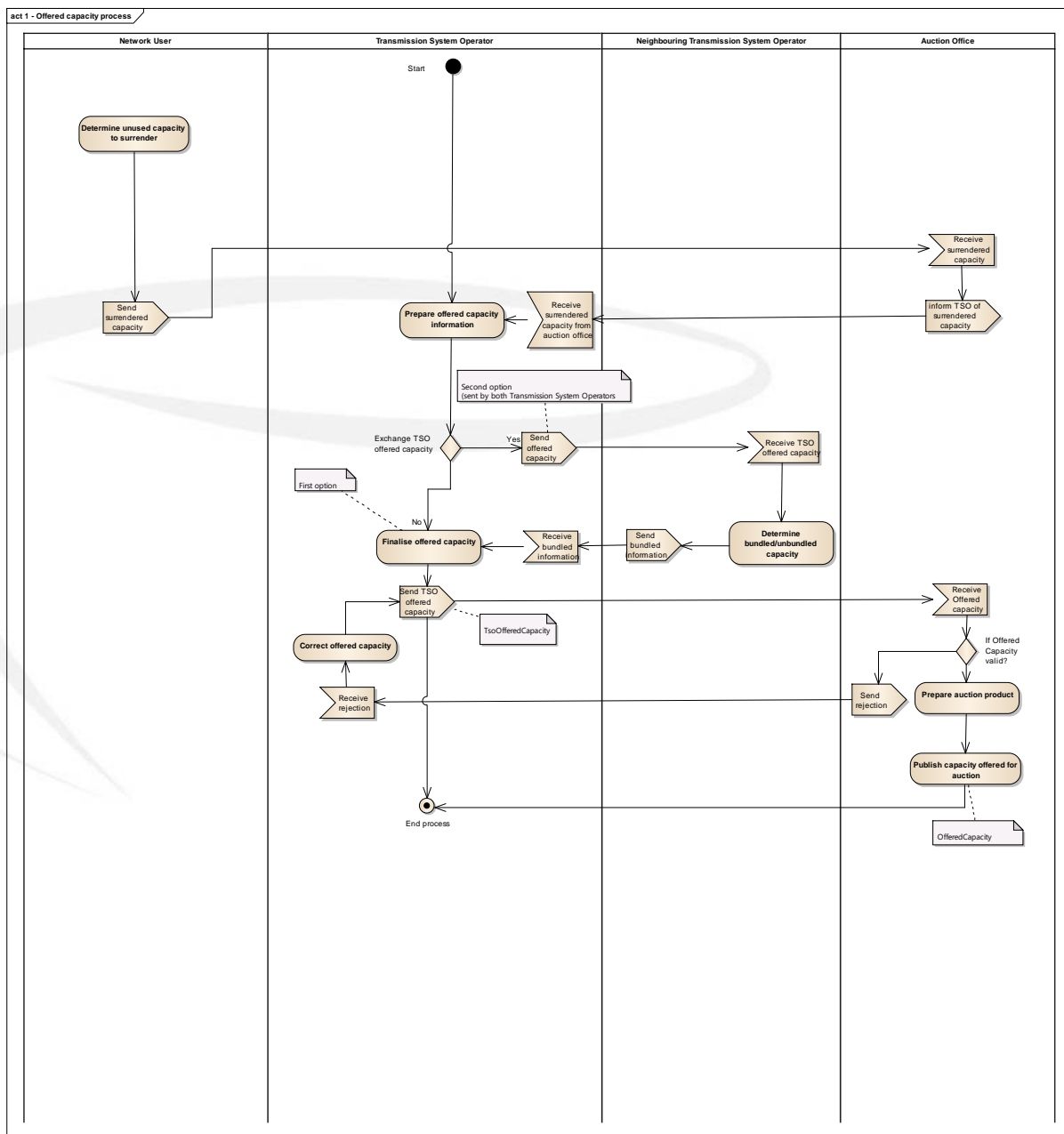


Figure 14: Offered capacity workflow

The determination of offered capacity begins on a cyclic basis depending on the standard capacity product.

The Transmission System Operator(s) send(s) the offered capacity to the Auction Office according to the options described in point 3.2.3.1.2.

For a given market situation a Transmission System Operator may provide the Auction Office with credit limitations of the Network Users for the products to be auctioned or for secondary transactions between Network Users. This information will be used by the Auction Office to

- 672 ensure the legitimacy of the bids and the secondary trades (only in the case of Network Users
673 that buy capacity).
- 674 The Auction Office then makes this offered capacity information available to the market in
675 the appropriate manner (web publication, download capability, etc..).

3.3.3.4 Surrender capacity process

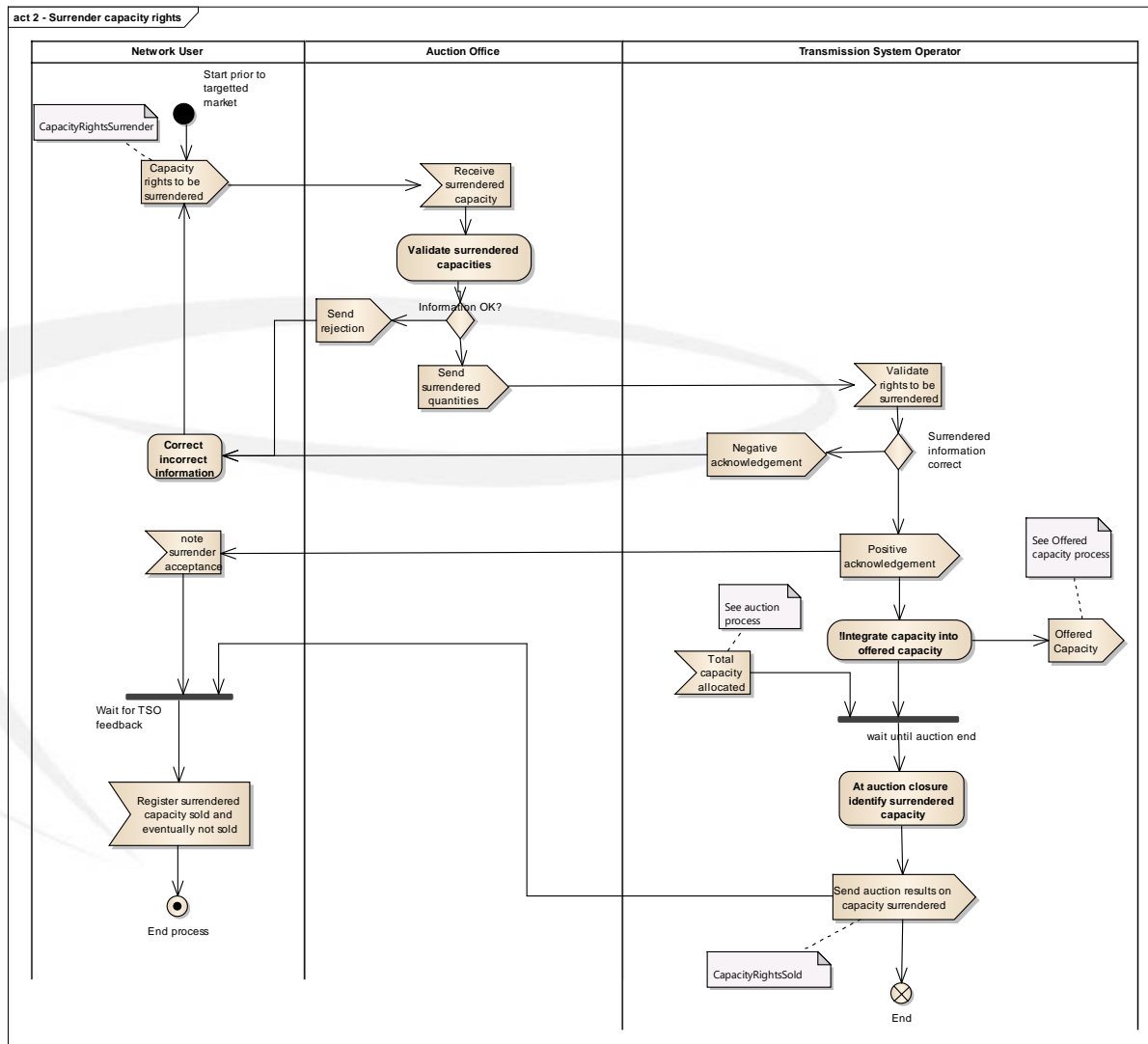


Figure 15: Surrender capacity process

If a Network User has more capacity than needed, the excess may be surrendered to the Auction Office who sends the surrendered capacities to the relevant Transmission System Operators (depending on the bundling situation) for inclusion in the offered capacity.

The Transmission System Operator will ensure that the capacity that has been surrendered is correct (bundled capacity not split, capacity available, etc.). If everything is in order the capacity is integrated into the offered capacity.

When the auction is completed, the Transmission System Operator determines the part of the surrendered capacity that has been sold and informs the Network User of the outcome.

3.3.3.5 Auction process

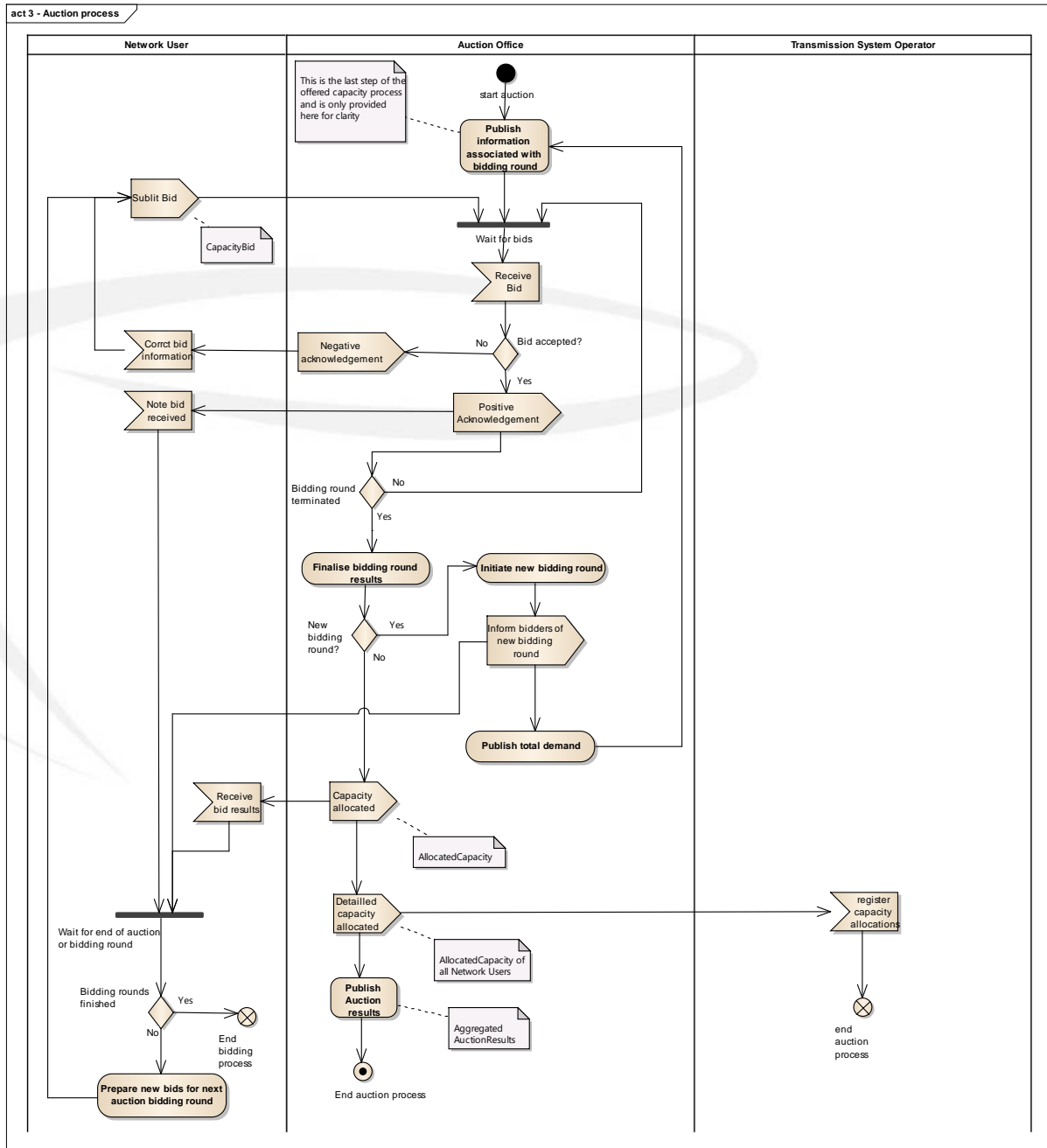


Figure 16: Auction workflow

Transmission System Operators or the Auction Office on behalf of the Transmission System Operators shall provide Network Users who bid in the day-ahead auctions with the option to have valid unsuccessful bids automatically entered into the subsequent within-day auction according to Article 15 (10) CAM NC.

694 The Auction Office validates each bid and informs the bid submitter of the outcome of the
695 validation process. In the case of a rejection, the Network User may correct the bid
696 information and resubmit it to the Auction Office before the bidding round closure.

697 In the case of the bid being successfully validated the Network User awaits the outcome of
698 the auction. However, during the bidding round it is possible for the Network User to submit
699 additional bids in the case of uniform price auctions, to make modifications to existing bids
700 or to cancel an existing bid.

701 The Auction Office manages the bids received and any changes provided until the bidding
702 round closes.

703 Once the bidding round closes, the Auction Office determines the situation between the
704 capacity requested and the capacity offered.

705 The opening of a new bidding round in case of an ascending clock auction is subject to Article
706 17 CAM NC.

707 A Transmission System Operator can send to the Auction Office a request to cancel an ongoing
708 auction due to a force majeure. The Auction Office cancels the auction and informs all
709 involved Transmission System Operators and Network Users about the auction cancellation.

710 Prior to beginning the new bidding round, the Network Users that participated in the
711 previous bidding round are informed that a new bidding round will take place with a new
712 price step. In addition, information on the previous bidding round is published on the
713 booking platform website.

714 At the closure of the auction, the Auction Office allocates the capacity respecting market rules
715 and informs each Network User of the outcome of the auction. The Auction Office also
716 provides the complete list of allocations to the Transmission System Operators.

717 In a final step the Auction Office publishes the results of the auction.

718 The bidding in the reverse auction takes place in a similar fashion as an ordinary auction.
719 When the auction closes the Auction Office processes all the bids and then may provide the
720 list of validated bids to the Transmission System Operator.

721 The Auction Office then informs the Network Users of their successful bids.

3.3.3.6 Secondary market trade process

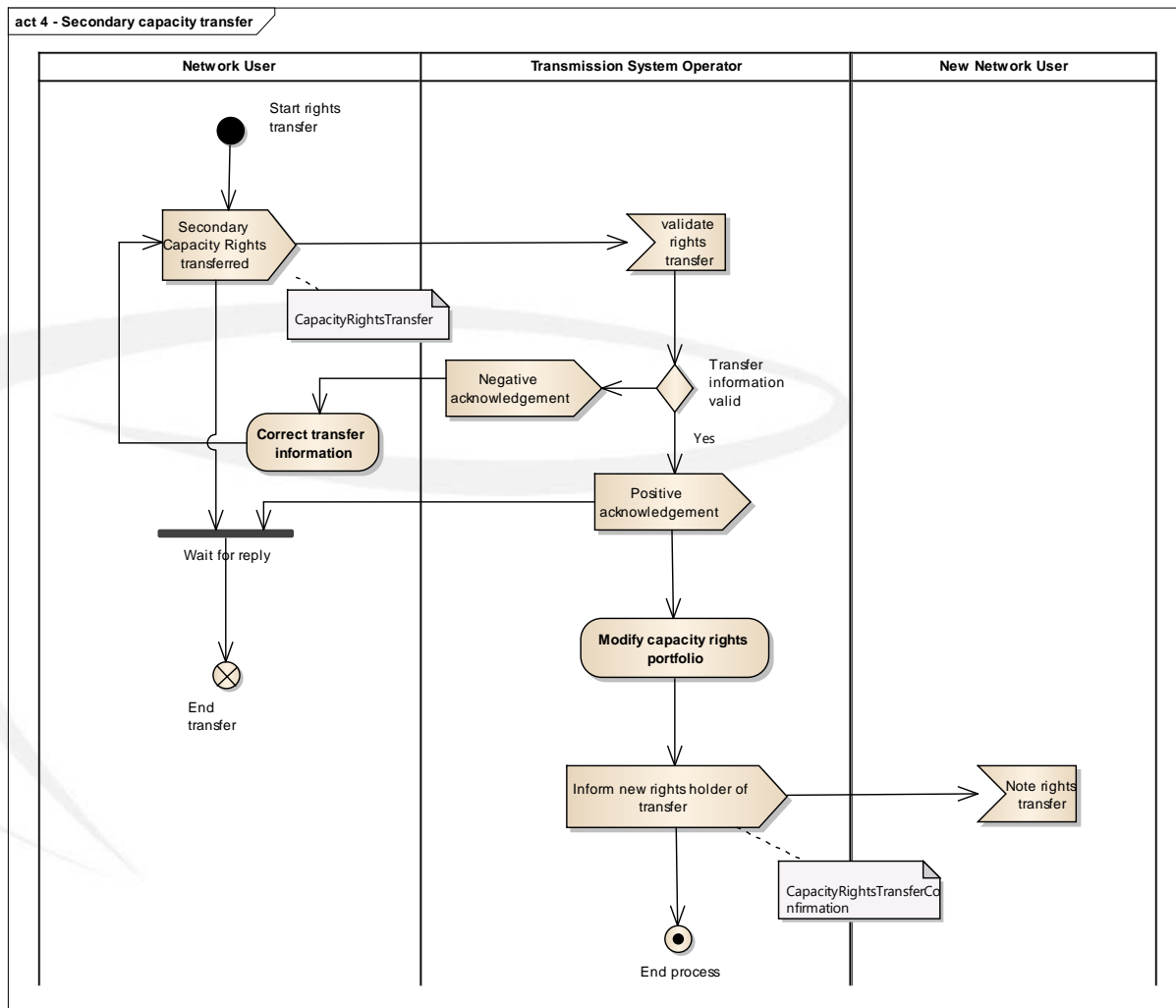


Figure 17: Secondary market transfer process

A secondary market trade process may take place where Network Users and eventually Transmission System Operators (in the case of reverse process), may trade the capacity that has been acquired.

The Transmission System Operator(s) must be informed of all trades by either the Network Users or the Auction Office on their behalf.

The Transmission System Operator(s) validate(s) the trade and when successful inform(s) directly or through the Auction Office the concerned Network Users of the capacity that has been transferred.

733 3.3.3.7 Reverse auction process

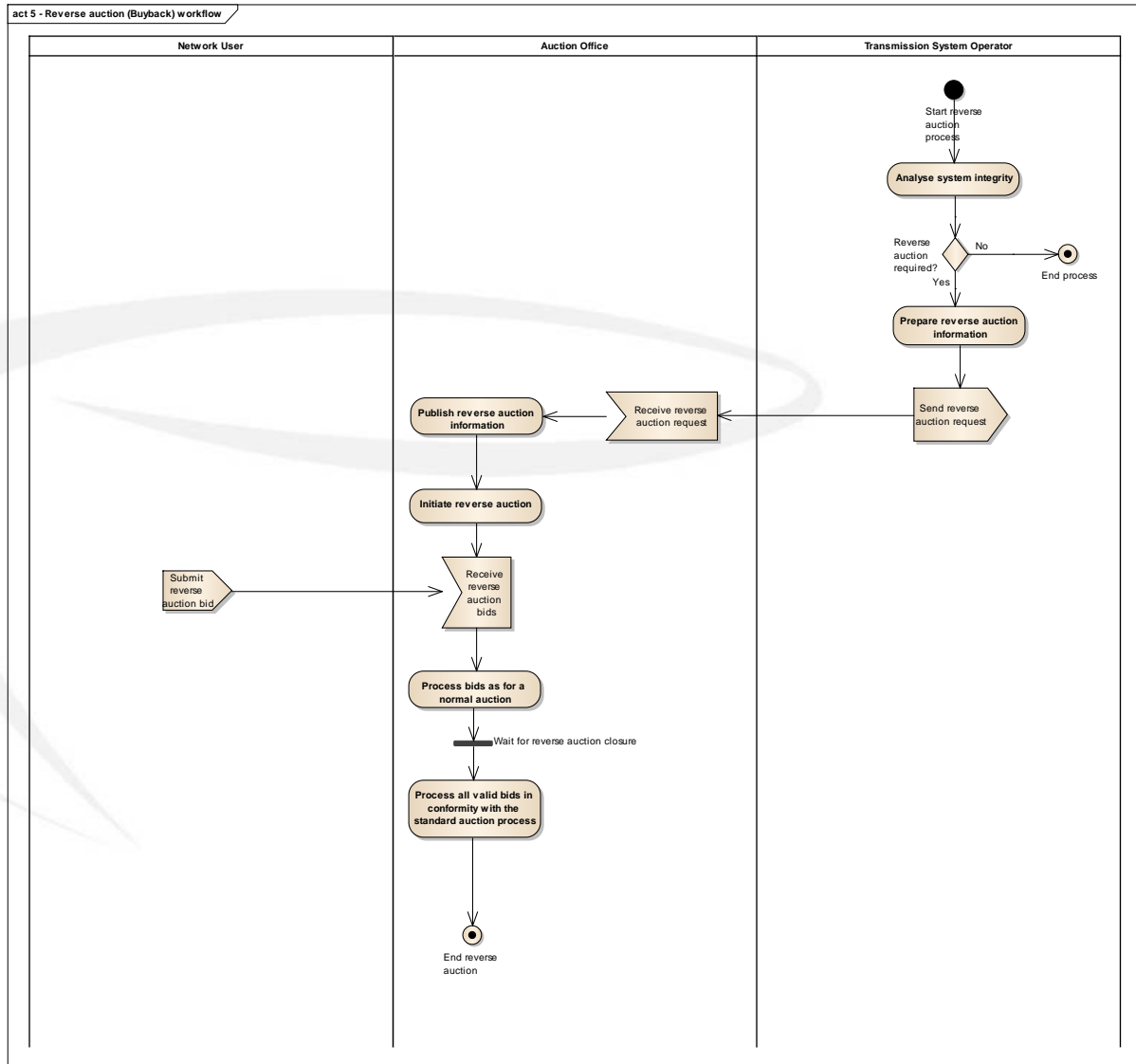


Figure 18: Reverse auction workflow

The Transmission System Operator analyses if there is sufficient technical capacity in the network to handle the nominations provided by the Network Users.

In the case where there is insufficient technical capacity an oversubscription situation exists and the Transmission System Operator must initiate a reverse process in order to align the network requirements with the technical possibilities.

Once the amount of overcapacity is determined the Transmission System Operator informs the Auction Office of the amount to be bought back from the market.

The reverse auction process then takes place as defined within the auction process.

As alternative to a reverse auction the Transmission System Operator may buy back the capacity acting in the role of a Network User on the secondary market.

746 **3.4 Information model requirements**

747 The following information requirements have been identified as the essential but not
748 exhaustive business information that needs to be catered for in the relevant information
749 exchanges.

750 3.5 Definitions of the attributes used in all the models

Name	Description
Account	An account assigned by a Transmission System Operator or by Market area coordinator to a Network User used for capacity and balancing accounting. This is also known as a Balancing Group or Portfolio code This is identified with the InternalAccountIdentification (see definition).
AdditionalComments	Additional text may be provided by the Transmission System Operator or the Auction Office to provide additional non-processable information.
AllocationIdentification	The identification of the contractual reference under which the capacity was assigned by an Auction Office
AuctionIdentification	The identification of the auction where the capacity rights were offered
AuctionPeriod	The period during which an auction occurs
AuctionSequence	The identification of the specific order for the auction of the capacity products as indicated by the Transmission System Operator.
AuctionType	The type of the auction algorithm, e.g. uniform price auction and ascending clock auction
AuthorisedUserIdentification	The identification of a user authorised by a Network User
AvailabilityType	The identification of the type of availability of the capacity (e.g. firm or interruptible)
BIC	Bank Identifier Code
BidAmount	The total quantity of the bid

Name	Description
BiddingRound	<p>The identification of the auction round where the capacity rights were allocated in an ascending clock auction</p> <p>A uniform price auction consists of a single bidding round.</p>
BiddingRoundPrice	The price that has been established for a given bidding round
BidIdentification	The identification of the Network User's bid provided by the Auction Office or the Network User
BidPrice	<p>The price bid on top of the starting price for the capacity requested</p> <p>The price bid (premium/surcharge) is fixed. The regulated tariff might be a floating or fixed amount depending on the tariff arrangements in place.</p>
BidRollover	The indication to rollover non-allocated capacity bids from the Day Ahead auction to the first Within-Day auction
BillingPostalAddress	The billing address (of a person or business) to which mail is delivered
BookablePoint	A bookable point may be defined as the identification of a (inter)connection point (EIC), the flow direction, the "to TSO" and "from TSO" or in the case of one Transmission System Operator at both sides of the connection point the "to Market area" and the "from Market area"; in case of an unbundled point "to TSO" or "from TSO" is not required.
BookablePointName	The name of a bookable point as defined by the Transmission System Operator that can be displayed

Name	Description
BookablePointIdentification	A sequential number distinguishing one entity from another, for example for distinguishing bookable points
BookablePointType	The type of the bookable point such as LNG, storage, transmission, production, supply,...
BookedCapacity	Capacity already allocated to Network Users at a ConnectionPoint This information may be transferred by the Transmission System Operator for the yearly auction according to Article 19 (5(a) & (b)) CAM NC.
BookingCosts	The costs associated with the capacity allocation
CapacityAmount	The amount of capacity specified for the period
CapacityAmountAllocated	The amount of capacity allocated to a bid
CapacityAmountOffered	The amount of capacity offered for a given auction
CapacityAmountSold	The amount of capacity rights that have been sold in an auction, aggregated across all Network Users
CapacityAmountSurrendered	The amount of capacity that have been surrendered by a Network User to a Transmission System Operator to be presented for sale on an auction.
CapacityAmountTransferred	The amount of capacity that has been transferred between Network Users on the secondary market

Name	Description
CapacityOfferIdentification	Identification assigned by a Transmission System Operator to identify an offered capacity instance
CapacityType	Identification of way in which the capacity rights have been packaged (i.e. Bundled, unbundled).
ClearingPrice	<p>The price that successful Network Users shall pay at a specific auction to the concerned Transmission System Operator</p> <p>It is determined as set out in Article 17 (19) (in an ascending clock auction) and Article 18 (11) (in a uniform price auction) CAM NC.</p>
CompetingProductCharacteristic	The characteristic of a product that is to be placed in competition in an auction
ConnectionPoint	The point where gas sale/purchase/trade/transfer may take place
ConnectionPointIdentification	The identification of the ConnectionPoint
ContactType	The type of a Network User contact such as dispatching, capacity operation and invoicing
ContractReference	The reference of a Transmission System Operator assigned contract
Conversion	The quantity of unbundled capacity already booked that may be converted into bundled capacity in case of a successful firm capacity bid
ConversionAmount	The unbundled conversion amount
ConversionReference	The reference to unbundled booked capacity that is used to auction for bundled capacity
CreditLimitAmount	The amount of a credit limit
CreditLimitIdentification	The identification of a credit limit assignment to a Network User

Name	Description
CreditLimitUsed	The amount of a credit limit used on a primary or secondary market by a Network User
Currency	The identification of a currency as defined in ISO 4217
Email	An electronic mail address
FamilyName	Family name of a person
Fax	The telephone number of a fax machine
FirstName	Part of a person's full nomenclature
FromTso	The Transmission System Operator where the gas is exiting the network
FromMarketArea	The Market area where the gas is exiting the network
FrameworkIdentification	Identification code for the framework that represents a combination of products and multiplication factors for the calculation of a credit limit
FrameworkName	The name of a credit limit framework
GasType	The type of gas which may be H-gas or L-gas
IBAN	International Bank Account Number
InterConnectionPoint	A physical or virtual point connecting adjacent entry-exit systems or connecting an entry-exit system with an interconnector, in so far as these points are subject to booking procedures by Network Users
InterConnectionPointIdentification	An energy identification code (EIC) distinguishing interconnection points

Name	Description
InternalAccountIdentification	The identification of an account (balancing group or portfolio code) managed by a Transmission System Operator for a Network User that is registered in the Transmission System Operator's area
LargePriceStep	A fixed amount that is defined per auction.
MarketArea	<p>A market area represents the virtual merger of transmission systems and downstream distribution systems to form a single balancing zone. In this respect, market areas are comparable to trading zones.</p> <p>This is identified with the FromMarketArea and ToMarketArea (see definition).</p>
MaxBidPercentage	This information defines the maximum quantity that a bidder may bid in the auction expressed as a percentage.
MinimumCapacityAmount	<p>The Minimum Amount of Capacity for the respective Standard Capacity Product which the Network User is willing to be assigned (origin: CAM NC)</p> <p>The MinimumCapacityAmount is only used in case of uniform price auctions, where it is mandatory.</p>
MobileTelephoneNumber	The telephone number of a wireless handheld device that allows users to make calls and send text messages, among other features
MultiplicationFactor	The factor that is used to multiply the value of a Network User's transactions of a given type, in order to calculate the used value of the credit limit (depending on local market rules). This information is delivered by the Transmission System Operator to the Auction Office.

Name	Description
NetworkUserIdentification	The identification of a Network User that has acceded to and is compliant with all applicable legal and contractual requirements that enable him/her to book and use capacity on the relevant Transmission System Operators' network under a Capacity Contract (origin: CAM NC)
NetworkUserName	The name of the legal entity acting as Network User
OfficeTelephoneNumber	The telephone number of a standard telephone in an office that is wired to a telephone line
Period	The period covered for the capacity amount in question
ProductIdentification	The identification of a credit limit product that has a multiplication factor
PublicationDateTime	The publication date and time of a reverse auction
RegisteredPostalAddress	The address (of a person or business) to which mail is delivered, as distinct from the actual street address
ReservePrice	The minimum eligible floor price in the auction, being equal to the Regulated Tariff
ReverseAuctionType	The type of reverse auction that is used by the Transmission System Operator to solve a technical congestion in the transmission system (Buyback)
RollOver	An indicator to inform the Auction Office that any unsold capacity shall be rolled over to the next defined period
ShareRate	A portion shared between Transmission System Operators of the auction premium
SmallPriceStepAmount	The amount of each small price step

Name	Description
SmallPriceStepNumber	The number of small price steps included in the LargePriceStep
StandardCapacityProductType	The duration of the standard capacity product: yearly, quarterly, monthly, daily or within-day
StartingPrice	The price defined by the Transmission System Operator which is the minimum price in an auction for a certain capacity product
Status	The condition of an object (e.g. Auction, Network User, bookable point), such as rejected, modified, cancelled, valid, active...
TermsAndConditionsAccepted	A flag to indicate that the Terms and Conditions have been accepted by the authorised user
Timestamp	The date and time of the current credit limit situation
Title	Prefix added to a person's name
TotalCreditLimit	The total credit limit provided by the Transmission System Operator and assigned to the Network User
ToTso	The Transmission System Operator where the gas is entering the network
ToMarketArea	The Market area where the gas is entering the network
TradeNature	Only used in secondary trades - A classification of a secondary market trade proposal to be either an transfer of ownership (assignment) or a transfer of use
TradingMarketType	Market in which the Network User is allowed to trade (Primary or Secondary market)
TradingProcedure	Only used in secondary trades - A classification of the different types of secondary market transactions: Call for Orders (CFO), First

Name	Description
	Comitted First Served (FCFS) or Over the Counter (OTC)
TransfereelIdentification	The identification of a Network User that has bought transferred capacity rights on the secondary market
TransferorIdentification	The identification of a Network User that has transferred capacity rights on the secondary market
TSOIdentification	The identification of a Transmission System Operator
TsoPriceCap	The price limit that a Transmission System Operator is willing to pay for capacity in a reverse auction
UnderlyingSurcharge	Only used in secondary trades - is the surcharge of the primary transaction underlying the secondary market deal
UnderlyingTariff	Only used in secondary trades - is the regulated charge of the primary transaction underlying the secondary market deal
UnitOfMeasure	The unit of measure in which the capacity amount is expressed
UnitOfPrice	The unit of measure in which the price is expressed
Upgrade	The quantity of interruptible capacity already booked that may be upgraded into firm capacity in case of a successful firm capacity bid
UpgradeAmount	The interruptible to firm upgrade amount
UpgradeReference	The reference to interruptible booked capacity that is used to auction for firm capacity
ValidityPeriod	The period of validity of an object

Name	Description
VatCode	The value added tax code assigned by a national organisation
WebsiteAddress	URL of a TSO-Website, that contains all commercial terms and conditions

3.6 Requirements per process

Note 1: Wherever the indication [0..1] appears against an attribute this signifies that the attribute in question is optional. For example, the attribute “PriceSteps [0..1]” is not used in the case of uniform price auctions.

Note 2: The information outlined in the class diagram does not represent any structural constraints. It only represents the basic information requirements for a given information flow, knowing that a given piece of information may be provided by an equivalent set of attributes. This BRS is targeted towards business-to-business application interfaces or in a more user-orientated fashion through a web-based service.

3.6.1 Bookable point administration process

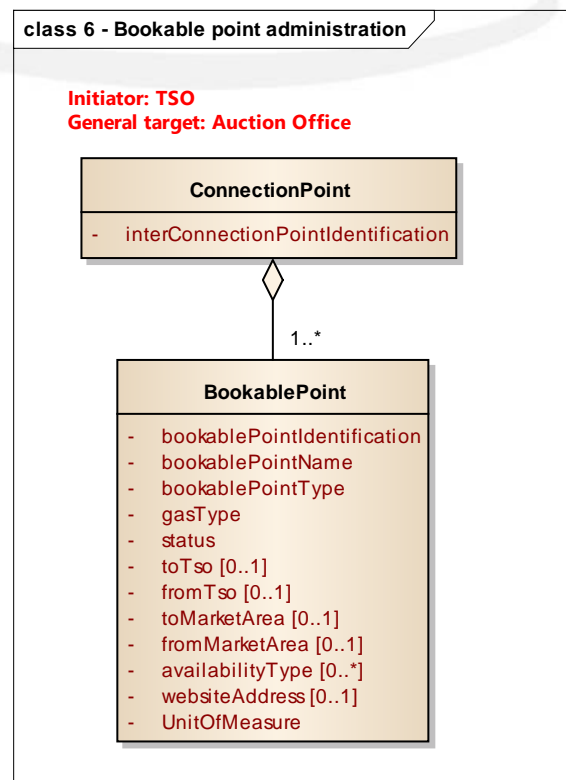


Figure 19: Bookable point administration requirements

3.6.2 Network User Registration process

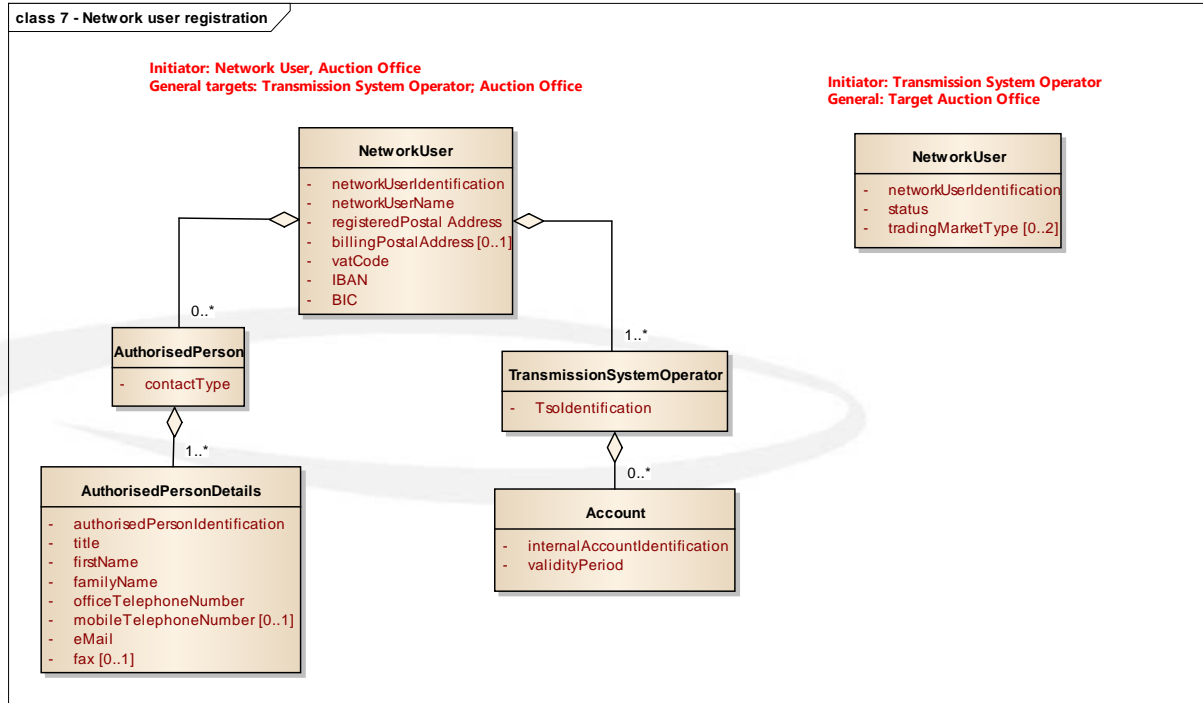


Figure 20: Network User registration requirements

3.6.3 Account Registration process

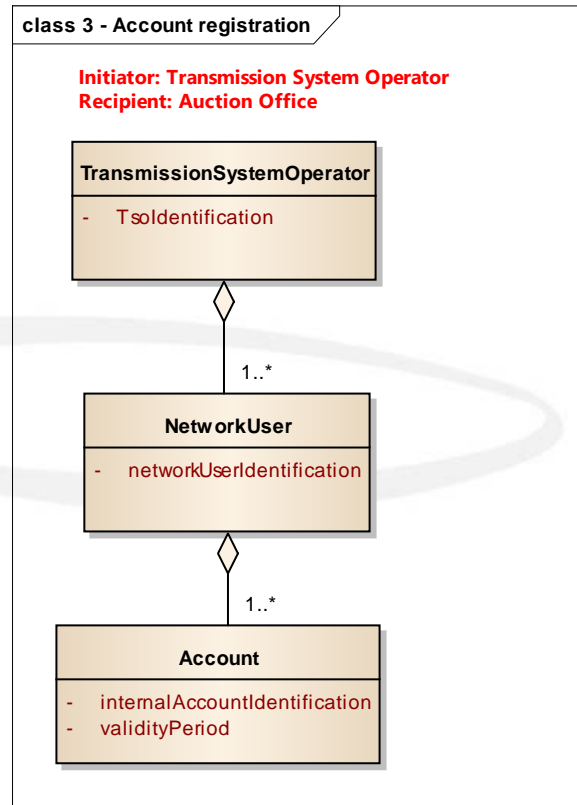


Figure 21: Account registration requirements

3.6.4 Offered capacity process

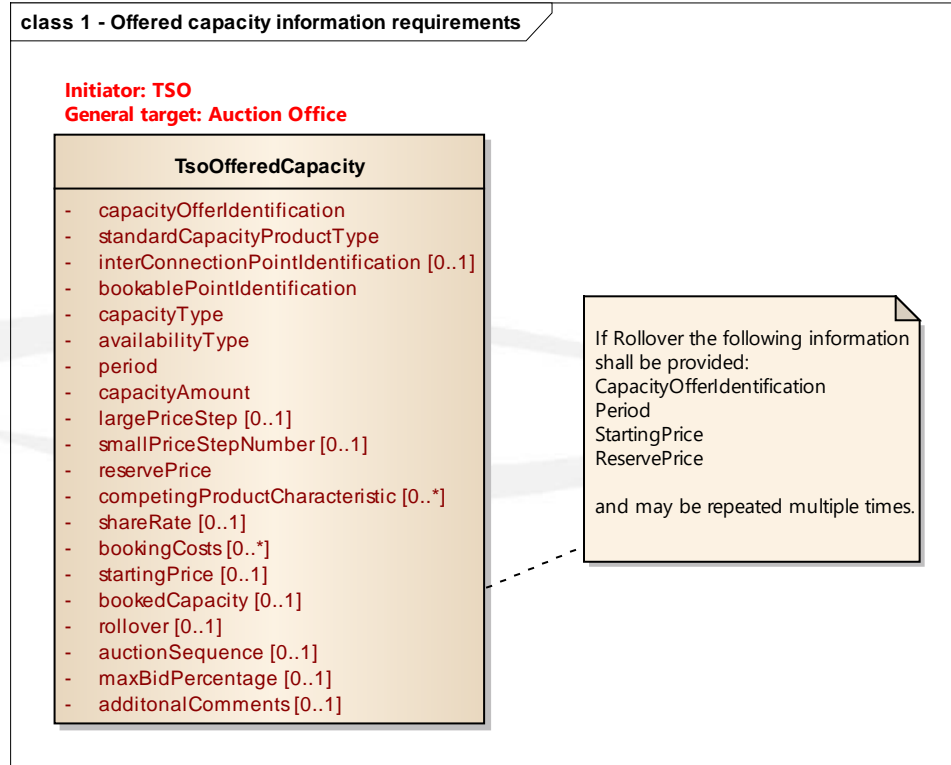


Figure 22: Transmission System Operator Offered capacity information requirements

class 1 - Offered capacity information require...

Initiator: Auction Office
General target: Network User, TSO

OfferedCapacity
- capacityOfferIdentification
- standardCapacityProductType
- interConnectionPointIdentification [0..1]
- bookablePointIdentification [0..1]
- capacityType
- availabilityType
- period
- capacityAmountOffered
- largePriceStep [0..1]
- smallPriceStepNumber [0..1]
- reservePrice
- competingProductCharacteristic [0..*]
- shareRate [0..1]
- bookingCosts [0..*]
- startingPrice [0..1]
- auctionIdentification
- biddingRound [0..1]
- biddingRoundPrice [0..1]
- status
- maxBidPercentage [0..1]
- additionalComments [0..1]
- ToTso
- FromTso

Figure 23: Offered capacity information requirements

3.6.5 Surrender capacity process

class 1 - Offered capacity information requirements

Initiator: Network User
General target: TSO, Auction Office

SurrenderCapacity
- tsolIdentification
- contractReference [0..1]
- interconnectionPointIdentification
- bookablePointIdentification [0..1]
- capacityType
- availabilityType [0..1]
- period
- capacityAmount
- unitOfMeasure
- internalAccountIdentification [0..1]
- ToTso
- FromTso

Figure 24: Surrendered capacity information requirements

class 1 - Offered capacity information requirements

Initiator: Auction Office, TSO
General Target: TSO, Auction Office, Network User

SurrenderCapacityinRequestValidation

- tsolIdentification
- interconnectionPointIdentification
- bookablePointIdentification [0..1]
- contractReference [0..1]
- networkUserIdentification
- capacityType
- availabilityType [0..1]
- period
- capacityAmountSurrendered
- unitOfMeasure
- status
- internalAccountIdentification [0..1]
- ToTso
- FromTso

Figure 25: Surrender capacity request validation requirements

class 1 - Offered capacity information requirements

Initiator: TSO,
General target: Network User

SurrenderCapacityReply

- interconnectionPointIdentification
- bookablePointIdentification [0..1]
- contractReference [0..1]
- capacityType
- availabilityType [0..1]
- period
- capacityAmountSold
- unitOfMeasure
- clearingPrice
- internalAccountIdentification [0..1]
- ToTso
- FromTso

Figure 26: Surrender capacity result requirements

3.6.6 Auction process

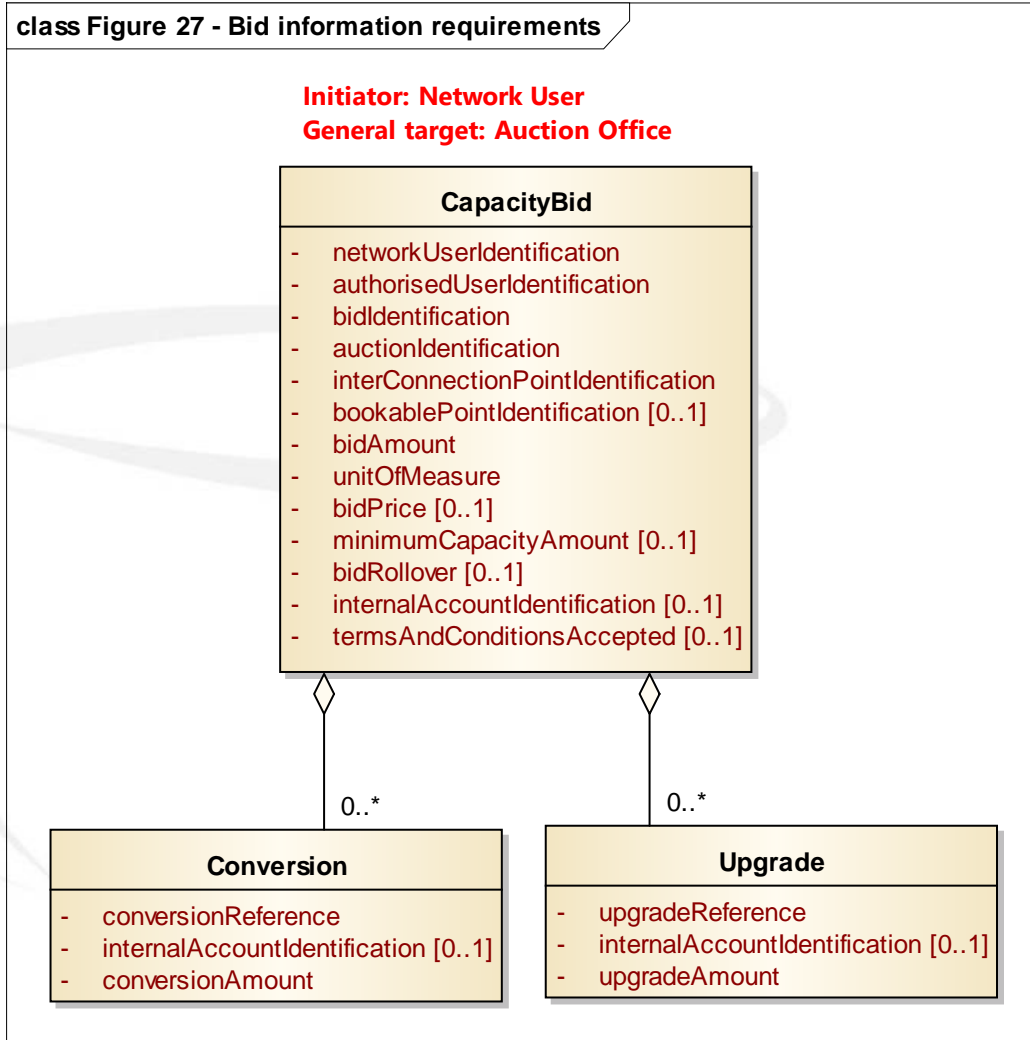


Figure 27: Bid information requirements

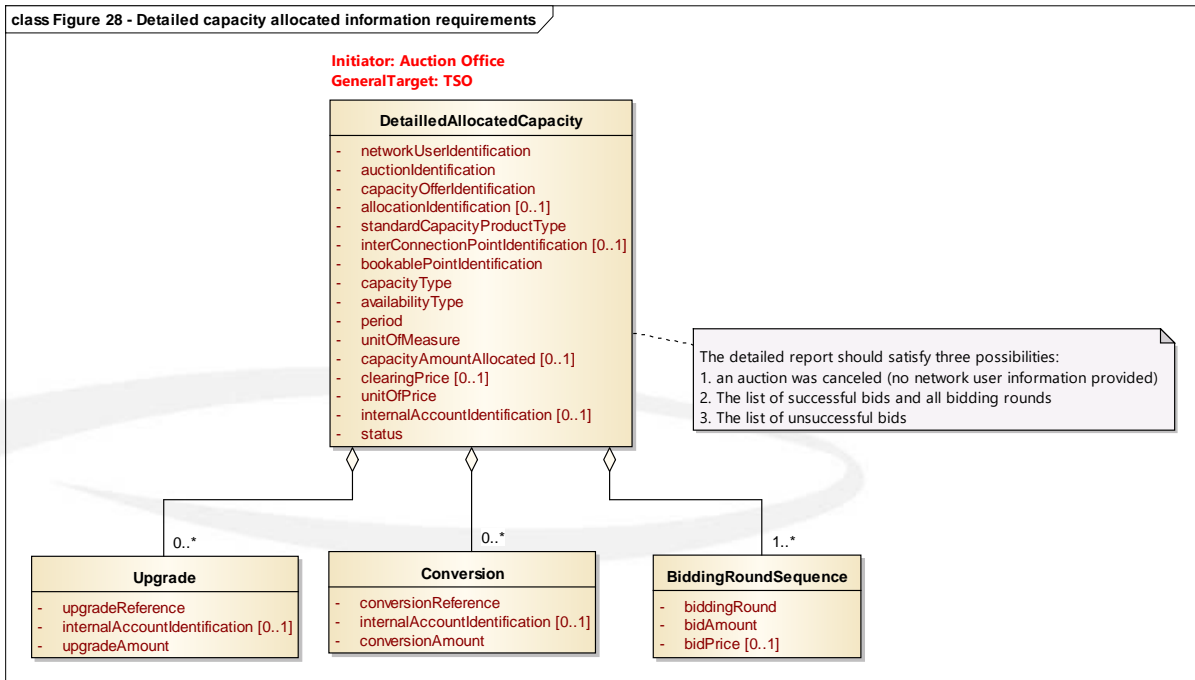


Figure 28: Detailed capacity allocated information requirements

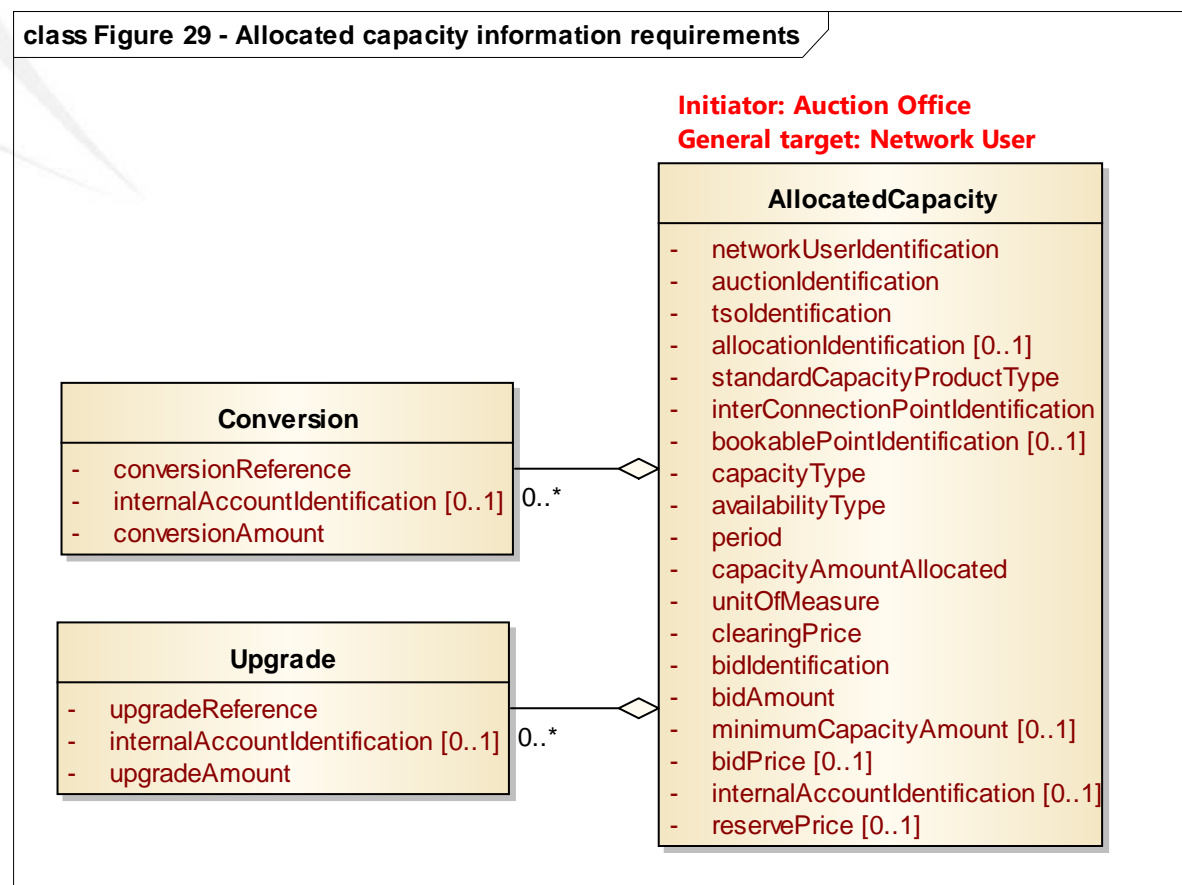


Figure 29: Allocated capacity information requirements

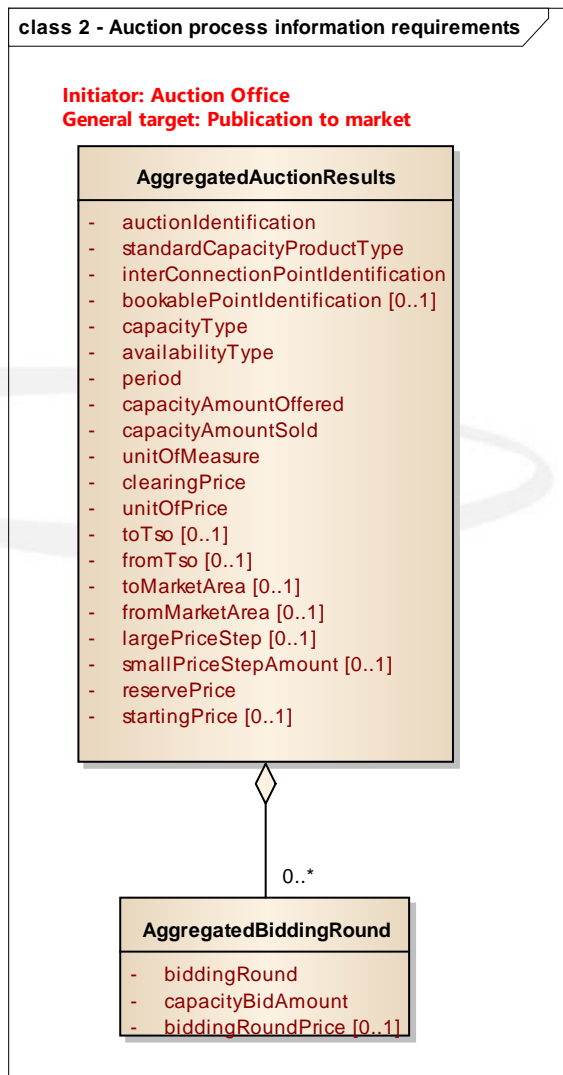


Figure 30: Aggregated auction results

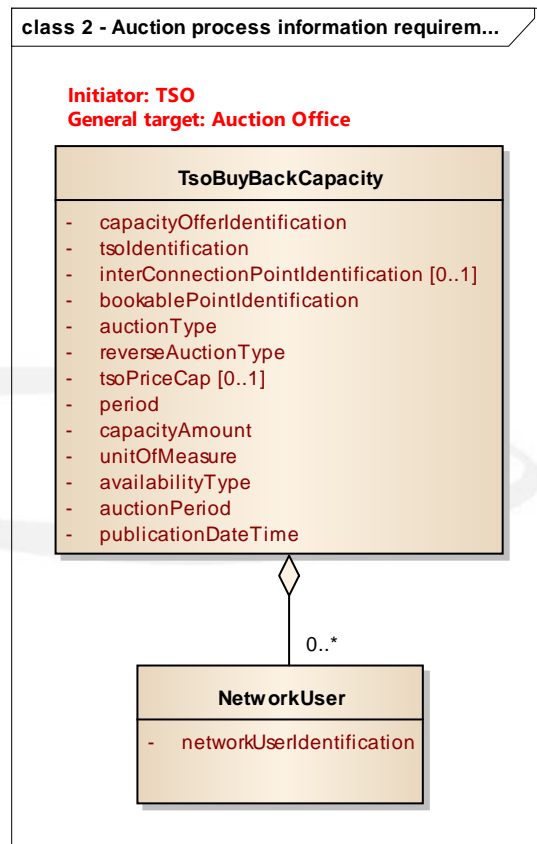


Figure 31: Transmission System Operator Buy back capacity information requirements

3.6.7 Secondary market transfer process

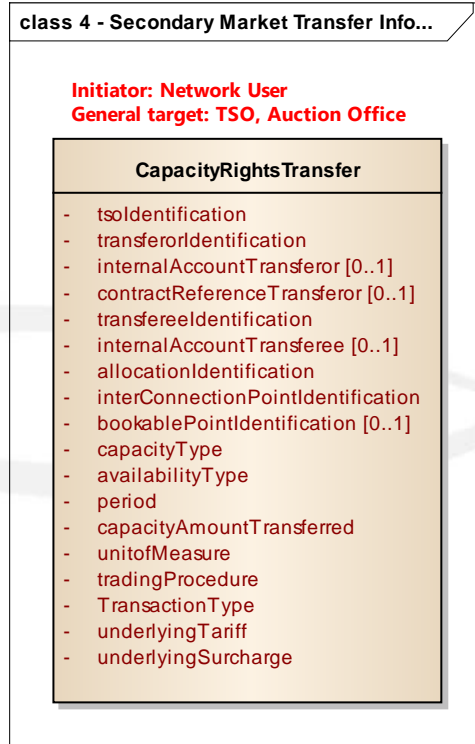


Figure 32: Secondary market capacity rights transfer information requirements

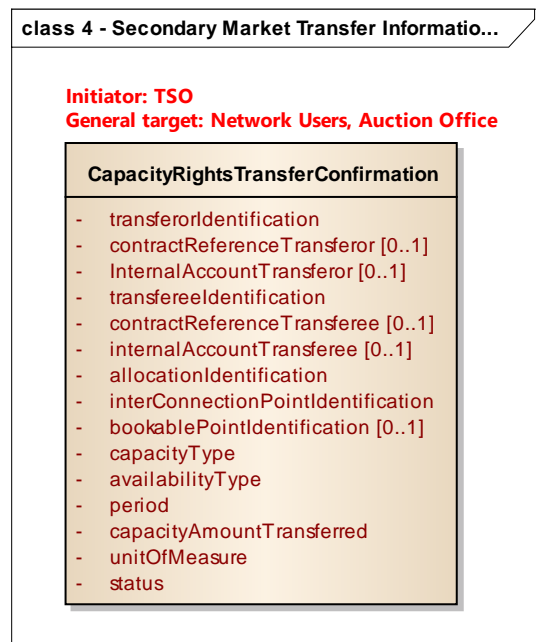


Figure 33: Secondary market capacity rights transfer confirmation information requirements

3.6.8 Credit limit process

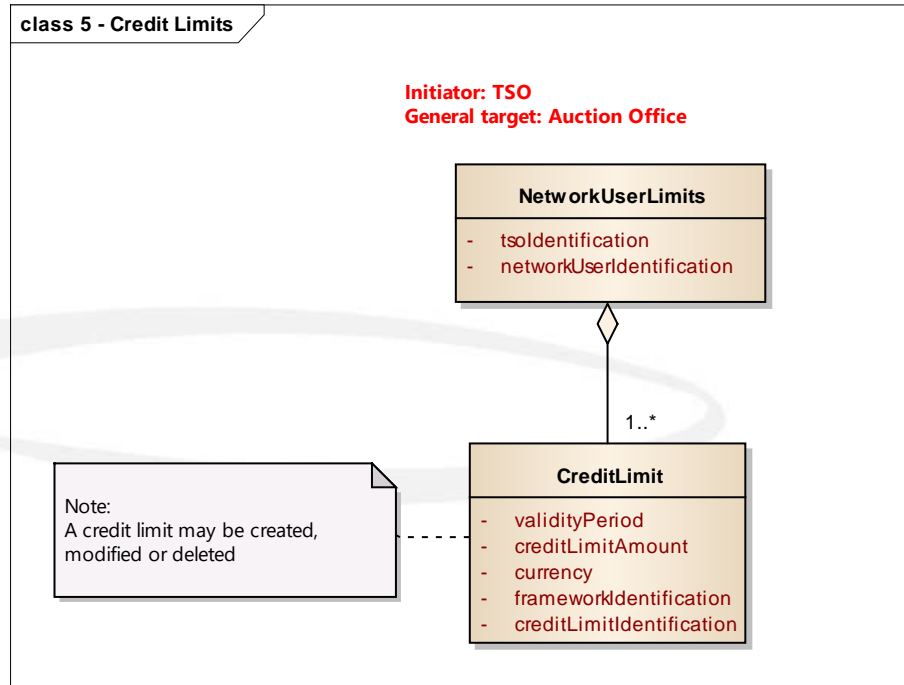


Figure 34: Network User credit limit information requirements

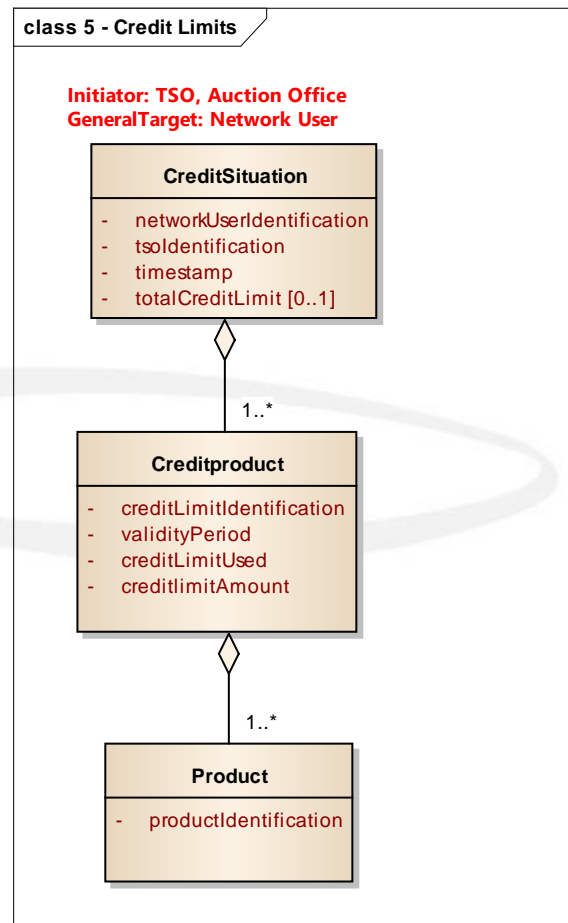


Figure 35: Network User credit situation requirements

4 **Common Data Exchange Solution Table**

Information Flow	From Party Role Value	To Party Role Value	Confidentiality Level	Common Data Exchange Solution
Bookable Point Registration	Transmission System Operator	Auction Office	Private	- Interactive
Network User Registration	Registered Network User	Transmission System Operator	Private	Recommended - Interactive
Network User Registration to Auction Office	Network User	Auction Office	Private	Recommended - Interactive
Approved Network Users	Auction Office	Transmission System Operator	Private	Recommended – Document Based
Approved Network Users	Transmission System Operator	Auction Office	Private	Recommended - Interactive
Approved Network Users	Auction Office	Registered Network User	Private	Recommended - Interactive
Surrender Capacity Rights	Registered Network User	Auction Office	Private	Interactive
Surrender Capacity Rights	Auction Office	Transmission System Operator	Private	Recommended – Document Based
Offered Capacity	Transmission System Operator	Auction Office	Private	Recommended – Document Based
Offered Capacity	Auction Office	Transmission System Operator	Private	Recommended – Document Based
Offered Capacity	Auction Office	Registered Network User	Public	Interactive
Credit Limit	Transmission System Operator	Auction Office	Private	Recommended – Document Based
Credit Limit	Auction Office	Transmission System Operator	Private	Recommended – Document Based
Capacity Bid	Registered Network User	Auction Office	Private	Interactive
Allocated Capacity	Auction Office	Registered Network User	Private	Interactive

Detailed Capacity Allocated	Auction Office	Transmission System Operator	Private	Recommended – Document Based
Aggregated Auction Results	Auction Office	All	Public	Interactive
Surrendered Capacity Sold	Transmission System Operator	Registered Network User	Private	Document based
Reverse Auction Requirements	Transmission System Operator	Auction Office	Private	Recommended – Document Based
Reverse Auction Bid	Registered Network User	Auction Office	Private	Interactive
Allocate Reverse Auction Results	Auction Office	Transmission System Operator	Private	Recommended – Document Based
Allocate Reverse Auction Results	Auction Office	Registered Network User	Private	Interactive
Secondary Market Sales	Registered Network User	Transmission System Operator	Private	Interactive
Secondary Market Sales	Transmission System Operator	Registered Network User	Private	Interactive

806 The common solutions are not subject to the regulation covered by the Network Code for Interoperability and Data Exchange Rules and are provided for guidance.