



European Network of  
Transmission System Operators  
for Electricity

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**ENTSO-E Capacity Allocation and Nomination System  
(ECAN)  
Implementation Guide**

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2011-04-21

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VERSION 5.0

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1. The ENTSO-E Harmonised Role Model

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2. The introduction of different time series possibilities within ENTSO-E electronic documents

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## Revision History

Version	Release	Date	Paragraph	Comments
1	0	2006-11-21	Initial Release	Approved by the ETSO Steering Committee on the 21 <sup>st</sup> November 2006 (52 <sup>nd</sup> session file) for publication.
1	1	2006-10-08	1 Definition of terms and acronyms	Rectification of the definition of "Nomination Validator".
2	0	2007-06-10		Addition of the intra day use of ECAN + Secondary market. Approved by TF EDI.
3	0	2007-11-19	3.1, 3.4 and 6  7, 8, 9 10 and 11 Schemas	<p>To correct Use case Changed "information provider" to "market information aggregator".</p> <p>Corrected errors in Schemas Bid Document, Allocated Results document, Rights Document and Capacity Document to correct camel case and names dealing with MeasureUnit and in the Allocated Results document, Rights Document and Capacity Document to permit a document header to be transmitted without a time series and to add the Reason class to the header. This changes the formal structure of the messages.</p> <p>Removed "A10 Tertiary control" from the Bid document business type.</p>

Version	Release	Date	Paragraph	Comments
4	0	2008-06-13	new sections 5, 10 and 11  Revised sections 8 and 9	Inserted the handling of implicit auctions.  Inserted Implicit Market Result Document  Inserted Total Allocations Result Document.  Revised the Bid document and the Allocated Results document.
4	0	2008-06-26		Approved by the Steering Committee
5	0	2011-04-21		Revision of document to incorporate evolutions following implementation, new documents and to assemble together existing documents (Publication Document, Capacity Auction Specification) defined in independent Implementation Guides.  Approved by Market Committee on 2011-05-17.

459

**NOTE CONCERNING WORDING USED IN THIS DOCUMENT**

460 The force of the following words is modified by the requirement level of the document in  
461 which they are used.

- 462 • **MUST:** This word, or the terms “REQUIRED” or “SHALL”, means that the definition is  
463 an absolute requirement of the specification.
- 464 • **MUST NOT:** This phrase, or the phrase “SHALL NOT”, means that the definition is an  
465 absolute prohibition of the specification.
- 466 • **SHOULD:** This word, or the adjective “RECOMMENDED”, means that there may exist  
467 valid reasons in particular circumstances to ignore a particular item, but the full  
468 implications must be understood and carefully weighed before choosing a different  
469 course.
- 470 • **SHOULD NOT:** This phrase, or the phrase “NOT RECOMMENDED”, means that there  
471 may exist valid reasons in particular circumstances when the particular behaviour is  
472 acceptable or even useful, but the full implications should be understood and the case  
473 carefully weighed before implementing any behaviour described with this label.
- 474 • **MAY:** This word, or the adjective “OPTIONAL”, means that an item is truly optional. One  
475 vendor may choose to include the item because a particular marketplace requires it or  
476 because the vendor feels that it enhances the product while another vendor may omit  
477 the same item. An implementation which does not include a particular option **MUST** be  
478 prepared to interoperate with another implementation which does include the option,  
479 though perhaps with reduced functionality. In the same vein an implementation which  
480 does include a particular option **MUST** be prepared to interoperate with another  
481 implementation which does not include the option (except, of course, for the feature the  
482 option provides.)
- 483 • **DEPRECATED:** this word means that a previously permitted entity should no longer be  
484 used in new implementations as in a future release the object in question may be  
485 suppressed.

## 486 1 DEFINITION OF TERMS AND ACRONYMS

487 **AAC:** Already Allocated Capacity is the total amount of allocated transmission capacity  
488 rights, whether they are capacity or exchange programmes depending on the allocation  
489 method.

490 **Allocated capacity market:** A market area where the transmission capacity between the  
491 balance areas is given to the Capacity Traders according to rules carried out by a  
492 Transmission Capacity Allocator. Trade between balance areas is carried out on a  
493 bilateral or unilateral basis.

494 **ATC:** *Available Transmission Capacity* is the part of NTC that remains available, after  
495 each phase of the allocation procedure, for further commercial activity. ATC is given by  
496 the following equation:

497 **ATC = NTC- AAC.**

498 **Bid:** A bid represents a request for a given capacity at a given price made by a Capacity  
499 Trader and corresponds to a single time series within a Bid document.

500 **Bidding period:** The date and time when an auction opens for bidding until the date and  
501 time when bidding is stopped.

502 **Capacity Coordinator:** A party, acting on behalf of the System Operators involved,  
503 responsible for establishing a coordinated Offered Capacity and/or NTC and/or ATC  
504 between several Market Balance Areas.

505 **Capacity Trader:** A party that has a contract to participate in the capacity market to  
506 acquire transmission capacity rights through a Transmission Capacity Allocator. Note: The  
507 transmission capacity rights may be acquired on behalf of an Interconnection Trade  
508 Responsible or for sale on Secondary Capacity Markets.

509 **Entsoe.net:** The entsoe.net transparency platform is a centralised web based system for  
510 the aggregation and presentation of data, supported by the decentralised structures that  
511 already exist at data administrators or individual SO level. Its main objective is to make  
512 available to the electricity market participants all the relevant, valued and trusted  
513 information in a transparent way. This platform plays the role of Market Information  
514 Aggregator in the ECAN processes.

515 **Explicit auctioning:** The congestion management method in which only the energy  
516 transmission capacity rights are auctioned.

517 **Flow-based Offered Capacity:** signifies that no ATC is calculated prior to auction. The  
518 Offered Capacity is calculated with an optimisation process based on the bids (price  
519 driven).

520 **Implicit auctioning** The congestion management method in which the transmission  
521 capacity is included implicitly in the trading of energy in the market. There are two types of  
522 implicit auction:

- 523 • Market Coupling is a co-operation between two or more Market Operators and  
524 System Operators for each price zone typically separated by a potentially congested  
525 boundary. The objective is to achieve a single market price within the coupled  
526 regions. This is not possible if capacity limits are exceeded in this case different  
527 prices could exist in each region.
- 528 • Market Splitting, where one Market Operator operates a region with several price  
529 zones typically separated by a potentially congested boundary. There is one market  
530 price established for the whole region unless a capacity limit is exceeded. The region  
531 splits into price zones with different market prices once the capacity limit is exceeded.

Allocation type	Implicit Auction	Explicit Auction
Flow based	ENTSO-E - Europex flow based market coupling	Not yet implemented
ATC based	Market coupling e.g. North Western Europe market coupling (CWE + DE/Nordic) e.g. Nord Pool	ECAN V1 All bilateral auctions e.g. Energinet.dk - E.ON. Coordinated auctions e.g. CEPS, VE-T, PSE-O, E.ON, SEPS E.G. TSO Auction B.V.

532  
533 **FIGURE 1: RELATIONSHIP BETWEEN ALLOCATION TYPES AND AUCTION TYPES (OCTOBER-2010)**

534 **Interconnection Trade Responsible:** Is a Balance Responsible Party or depends on  
535 one. He is recognised by the Nomination Validator for the nomination of already allocated  
536 capacity.

537 **Long term contract (LTC):** A binding agreement that gives the right to use capacity for a  
538 period superior to one whole day. In order to facilitate reading long term contracts prior to  
539 26<sup>th</sup> June 2003 that do not respect the EC regulation 1228/2003 will be termed “historical  
540 contracts” throughout the document.(note: for a description of the EC regulation No  
541 1228/2003 in relation to long term contracts please refer to annex 1).

542 **Market balance area:** Refer to ENTSO-E Harmonised Role Model definition.

543 **Market Information Aggregator:** Refer to ENTSO-E Harmonised Role Model definition.

544 **Market Operator:** The unique power exchange of trades for the actual delivery of energy  
545 that receives the bids from the Balance Responsible Parties that have a contract to bid.  
546 The market operator determines the market energy price for the market balance area after  
547 applying technical constraints from the system operator. It may also establish the price for  
548 the reconciliation within a metering grid area.

549 **Nomination:** A firm declaration of the transmission capacity rights to be used.

550 **Nomination Validator:** depends on one or more System Operators and has the  
551 responsibility of ensuring that all transmission capacity rights nominated are within the  
552 allowed limits and sending all valid nominations to the involved System Operator. He

553 informs the Interconnection Trade Responsible of its transmission capacity rights for  
554 nomination. Depending upon market rules for a given interconnection the corresponding  
555 System operators may appoint one Nomination Validator.

556 **NTC:** *Net Transfer Capacity* is defined as  $NTC = TTC - TRM$  and corresponds to the  
557 maximum exchange between two areas compatible with security standards applicable in  
558 both areas and taking into account the technical uncertainties on future network  
559 conditions.

560 **Offered Capacity:** The amount of capacity, as defined by local market rules, which will be  
561 offered by the Transmission Capacity Allocator to the market. Depending on local market  
562 rules the establishment of the Offered Capacity may be based on the ATC, and include  
563 the consideration of firm exchange programs in one direction, to increase the Offered  
564 Capacity in the other direction. This is generally known as Netting aimed at maximising  
565 Offered Capacity. An initial Offered Capacity provided by the Capacity Coordinator may  
566 also be increased by the Transmission Capacity Allocator with Resales of transmission  
567 capacity rights obtained in previous auctions.

568 **Rule based allocations:** These cover the allocation of transmission capacity rights based  
569 on a given algorithm such as first come, first serve or proportional to request. This is a  
570 particularity for the allocation of intraday capacity when local market rules do not require  
571 an auction allocation.

572 **System Operator:** Refer to ENTSO-E Role model definition.

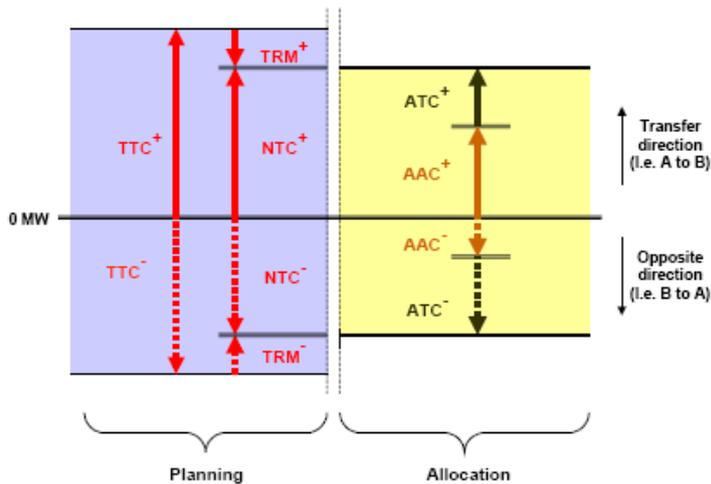
573 **Transmission Capacity Allocator:** Manages, on behalf of the System Operators, the  
574 allocation of Offered Capacity for an Allocated capacity area. He offers the Offered  
575 Capacity to the market allocates transmission capacity rights to individual Capacity  
576 Traders and calculates the invoiced amount of already allocated and resold transmission  
577 capacity rights to the Capacity Traders.

578 **Transmission Capacity Rights:** Represents the rights of usage of a certain amount of  
579 transmission capacity in a potentially congested border between Market Areas.

580 **TRM: *Transmission Reliability Margin*** is a security margin that copes with uncertainties  
581 on the computed TTC values arising from:

- 582 a) Unintended deviations of physical flows during operation due to the physical  
583 functioning of load-frequency regulation
- 584 b) Emergency exchanges between SOs to cope with unexpected unbalanced  
585 situations in real time
- 586 c) Inaccuracies, e.g. in data collection and measurements

587 **TTC: Total Transfer Capacity** **TTC** is the maximum exchange program between two  
588 areas compatible with operational security standards applicable at each system if future  
589 network conditions, generation and load patterns were perfectly known in advance.



590

591

FIGURE 2: TRANSFER CAPACITY DEFINITIONS<sup>1</sup>

## 592 2 OBJECTIVE

593 The objective of this implementation guide is to make it possible for software vendors to  
594 develop an IT application for market players that can exchange information for  
595 transmission capacity rights allocations and nominations within the congestion  
596 management and scheduling processes.

597 The implementation guide is one of the building blocks for using UML (Unified Modelling  
598 Language) based techniques in defining processes and messages for interchange  
599 between actors in the electrical industry in Europe.

600 The implementation guide is developed for the harmonisation of the underlying data  
601 exchange process and not as a guideline for creation of new allocation rules. The model  
602 described in this document shall reflect the various procedures that are used in Europe at  
603 present.

## 604 3 CAPACITY ALLOCATION AND NOMINATION OVERVIEW

### 605 3.1 INTRODUCTION

606 There are some network grids within the ENTSO-E domain which are affected by  
607 structural congestion. Various congestion management methods such as, explicit  
608 auctioning, implicit auctioning, explicit auctioning involving two or more System Operators,  
609 etc. have been devised and implemented.

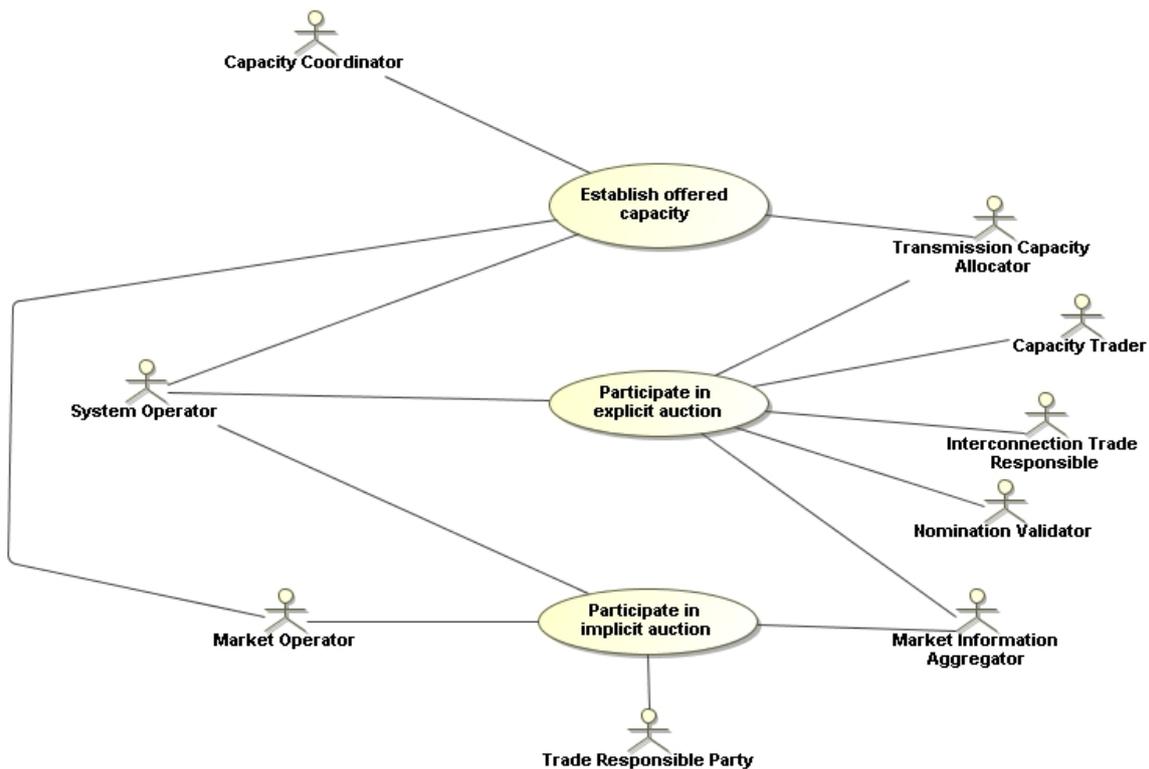
610 The prerequisite for each of these methods is a transparent, non-discriminatory capacity  
611 allocation process in compliance with European regulations in particular EC 1228/2003.

<sup>1</sup> Figure taken from “ENTSO - Definitions of transfer capacities in liberalised electricity markets – April 2001”

612 This implementation guide is focussed on providing the generic information models for the  
613 data exchange between the Transmission Capacity Allocator, the System Operators and  
614 the various market players participating in the capacity market for cross border  
615 scheduling. The information models in question cover the essential requirements of all the  
616 congestion management methods identified in figure 1.

617 The registration and qualification of market participants to enable them to participate in the  
618 market is outside the scope of this guide.

619 There are two different types of capacity auctioning, Explicit or Implicit, used in the  
620 congestion management methods identified:



621  
622 **FIGURE 3: USE CASE OF THE TRANSMISSION CAPACITY ALLOCATION PROCESS**

623 Figure 3 outlines the generic use cases that are required in a capacity allocation process.  
624 This implementation guide also defines the data interchanges that will be required to  
625 enable such a generic process to operate.

626 The use case “Establish offered capacity” is common to both Explicit and Implicit auctions  
627 and relates to the identification and publication of the offered capacity that can be  
628 allocated. The available transmission capacity has initially to be agreed between the  
629 System Operators. Once the offered capacity is agreed, it is made available to the  
630 interested parties. The main actors in the process are the System Operators, the Capacity  
631 Coordinator and the Transmission Capacity Allocator/ Market Operator.

632 The use case “Participate in Explicit auctions” implies the following steps:

- 633 • The first step covers the bidding and allocation activity itself. A sub use case of the  
634 bidding and allocation activity may be the eventual secondary trade and  
635 negotiation of allocated capacity between Capacity Traders or Capacity Traders

636 and Interconnection Trade Responsible parties. The principle actors are the  
637 Capacity Trader and the Transmission Capacity Allocator.

638 • The second step concerns Nomination, the activity of declaring the long term, daily  
639 and intraday capacity to be used. This involves the Interconnection Trade  
640 Responsible, the Nomination Validator and the System Operator. The Nomination  
641 Validator ensures that all nominations presented are coherent.

642 • The third and final step concerns the validation and final confirmation of all  
643 nominations. This step includes cross border matching. The principle actors are  
644 the Nomination Validator and the System Operators.

645 The use case “Participate in Implicit auctions” implies the publication of cross border  
646 exchange values with or without prices.

## 647 **3.2 ESTABLISH OFFERED CAPACITY USE CASE**

648 This process involves the neighbouring system operators identifying the available capacity  
649 (that which is available on the border, and that which is available for resale) and providing  
650 it to the Capacity Coordinator for consolidation in order to provide the available capacity to  
651 the Transmission Capacity Allocator in the case of explicit auctions or to the Market  
652 Operator in the case of implicit auctions.

## 653 **3.3 PARTICIPATE IN EXPLICIT AUCTION USE CASE**

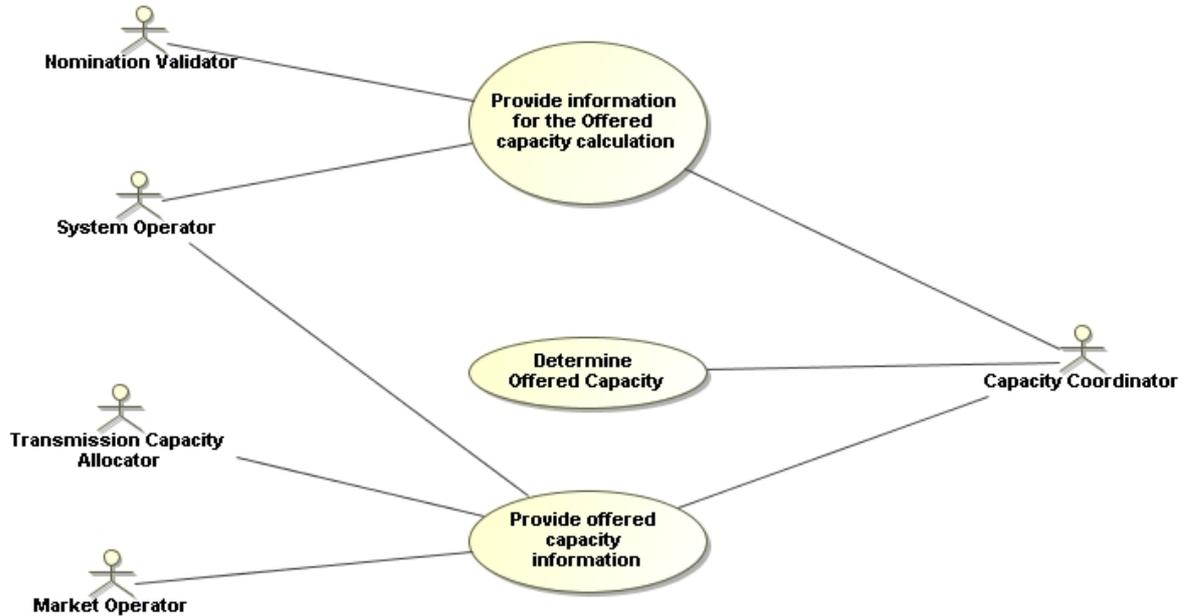
654 The process enables the Transmission Capacity Allocator to manage, on behalf of the  
655 System Operators, the allocation of available transmission capacity for an Allocated  
656 capacity area. He offers the available transmission capacity to the market, allocates the  
657 available transmission capacity to individual Capacity Traders and calculates the billing  
658 amount of already allocated capacities to the Capacity Traders.

## 659 **3.4 PARTICIPATE IN IMPLICIT AUCTION USE CASE**

660 The process enables a Market Operator to provide the delivery of energy. Trade  
661 Responsible Parties that have a contract may offer or bid for the energy in question. The  
662 transmission capacity is included implicitly in the auctions of energy in the market. The  
663 rules covering the auction mechanism determine the market energy price for the Market  
664 Balance Area after applying technical constraints from the System Operator.

## 665 4 OFFERED CAPACITY

### 666 4.1 USE CASE



667

668

FIGURE 4: OFFERED CAPACITY OVERVIEW

669 In the various auction implementations throughout Europe, the ATC is being interpreted in  
670 a wider sense than the definition provided in Section 1. Indeed, the ATC may be the  
671 available capacity from one *or more* Market balance Areas to one *or more* Market Balance  
672 Areas. The NTC definition is extended in a similar manner. The Offered Capacity is based  
673 on this ATC.

674 The Roles that take part in the ATC calculation are:

- 675 • System Operators who perform all network security calculations and has the overall  
676 responsibility for the definition of Offered Capacity between Market Balance Areas;
- 677 • Capacity Coordinators who coordinate the Offered Capacity between multiple Market  
678 Balance Areas.
- 679 • Nomination Validator who provides data on confirmed nominations from previous  
680 Explicit auctions.
- 681 • Transmission Capacity Allocator or Market Operator who provides data on the AAC.

682 The basic data to be exchanged are:

- 683 • The NTC from one or more Market Balance Areas to one or more Market Balance  
684 Areas;
- 685 • The nominations of all allocated transmission capacity rights between the Market  
686 Balance Areas;
- 687 • The allocated capacity in all previous auctions that affect the given allocation period;
- 688 • The Offered Capacity for confirmation purposes.

- 689 • The capacity for resale

690 There are three major steps in the determination of the Offered Capacity:

691 1. *System Operator agreement on the NTC;*

692 For each concerned allocation period (multi-annual, annual, quarterly, monthly, daily,  
693 etc.) each System Operator carries out independent studies in order to calculate the  
694 corresponding NTC. As long as each System Operator uses different models, data  
695 and hypotheses for this calculation, different NTC values are expected. This data  
696 must be exchanged between System Operators in order to track the calculations. If  
697 necessary, and depending on the auction organisation, one System Operator is  
698 responsible for determining the minimum NTC from the values provided and  
699 communicating this value to all System Operators concerned.

700 Alternatively, the System Operators may adopt common procedures in calculating the  
701 NTC between Market balance Areas. In this case, a multitude of technical data must  
702 be exchanged (topology, production/consumption previsions, transformer settings  
703 etc.). This is outside the scope of the ECAN project.

704 2. *System Operator agreement on the Offered Capacity based on AAC;*

705 Each System Operator must receive information: from the Transmission Capacity  
706 Allocator regarding the capacity auctioned/sold in the previous allocation periods if  
707 applicable. This information is pertinent only in the case where this capacity is not  
708 required to be nominated before the auction of the given allocation period, for  
709 example when calculating the monthly ATC using the allocated capacity of the annual  
710 auction.

711 This ATC is sent to all involved System Operators. If necessary, and depending on  
712 the auction organisation, one System Operator is responsible for determining the  
713 minimum ATC from the values provided and communicating this value to all System  
714 Operators concerned.

715 3. *System Operator agreement on the Offered Capacity based on nominations.*

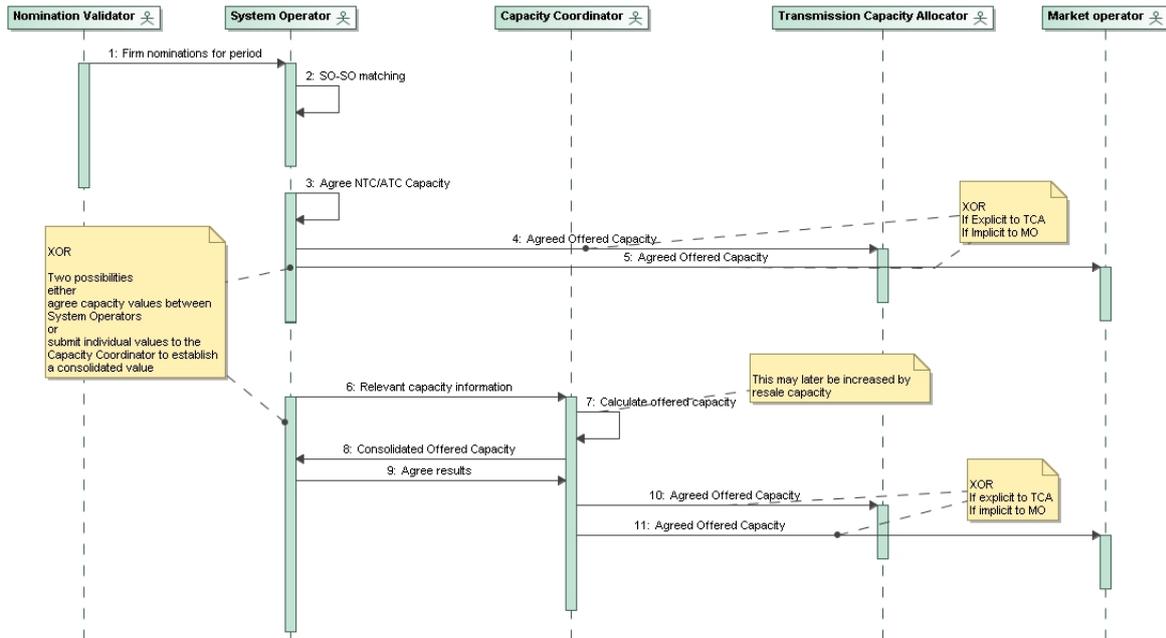
716 Each System Operator must receive information from the Nomination Validator  
717 regarding firm nominations of capacity previously allocated if applicable; these  
718 nominations must be agreed between System Operators as required by the market  
719 rules.

720 Regulatory requirements or special conditions may impose that only a part of the ATC  
721 agreed on an allocation period is auctioned on that period. Each System Operator applies  
722 these requirements on the agreed ATC and then sends the Offered Capacity to all other  
723 System Operators for verification and agreement. If necessary, and depending on the  
724 auction organisation, one System Operator is responsible for determining the minimum  
725 Offered Capacity from the values provided and communicating this value to all System  
726 Operators concerned.

727 This Offered Capacity is finally sent to the Transmission Capacity Allocator or Market  
728 Operator for notification to the market.

729 The principles of establishing ATC and Offered Capacity must be agreed between the  
730 System Operators. Once agreed, the ATC and offered values are calculated based on the  
731 agreed NTC without exchange and agreement of the new quantities between the system  
732 operators as described in points 2 and 3 above.

## 733 4.2 SEQUENCE DIAGRAM



734

735

FIGURE 5: ESTABLISH OFFERED CAPACITY SEQUENCE

736 The sequence diagram in figure 5 being periodic, the initial steps only occur if there has  
737 been a previous auction (for example, it is in general practise to nominate all long term  
738 contracts prior to the daily nomination process in order to confirm the capacity that may be  
739 available for a daily auction). If a previous auction has occurred then it is possible that a  
740 secondary market can take place dependent on local market rules. The secondary market  
741 process is described in a specific section below. Any capacity that is released from a  
742 previous auction is communicated to the System Operators by the Capacity Coordinator.

743 The auction process itself may be initiated in two manners:

744 1. with the establishment of an Offered Capacity by a Capacity Coordinator who  
745 coordinates the capacity for a number of Market Areas;

746 2. By two System Operators on a given border mutually agreeing on the NTC/ATC  
747 capacity that is available for the border and period in question.

748 The System Operators are informed by the Nomination Validator of the agreed nominated  
749 AAC.

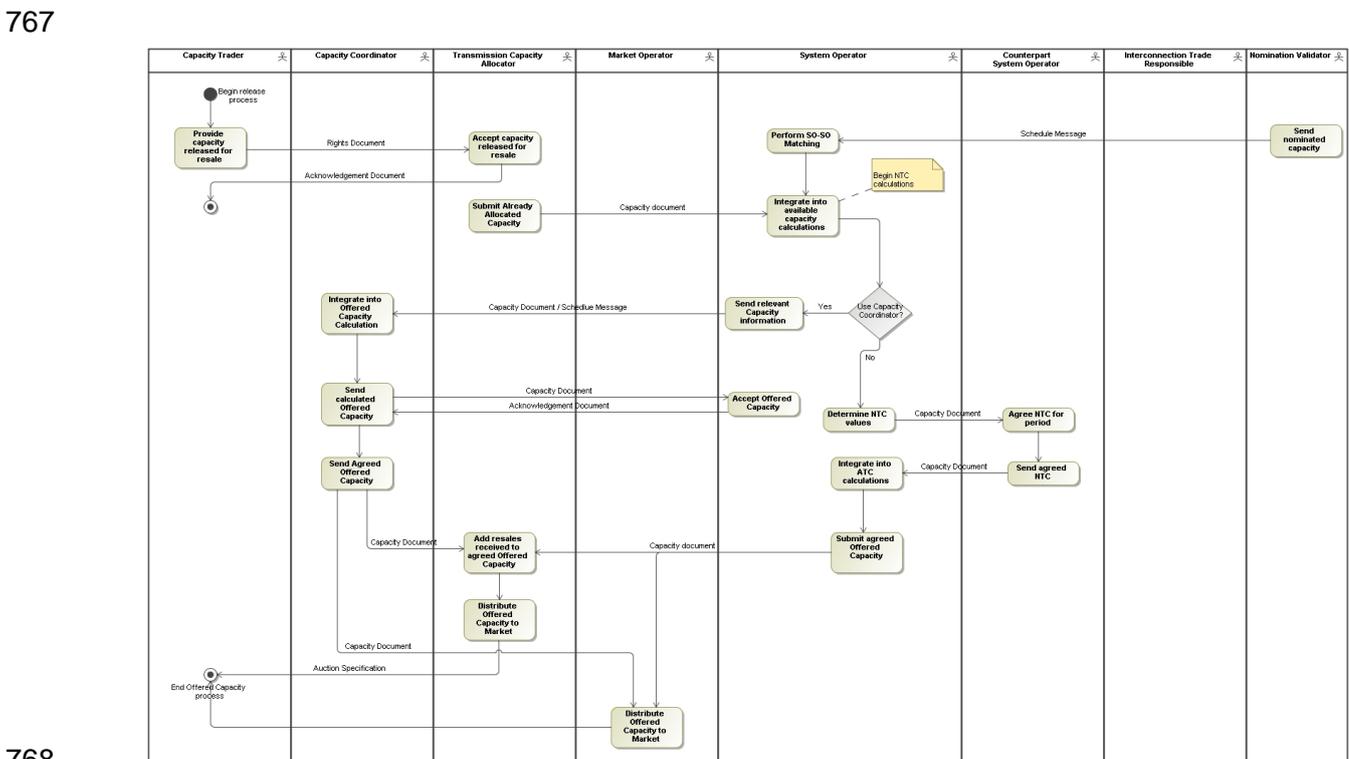
750 From the agreed NTC values the System Operators separate the ATC values into  
751 different classes per period depending on the profile that they have mutually defined and  
752 after deduction of any "Historical contracts" that they may have to honour and deduction of  
753 any reservations to comply with market rules. The AAC nominations are also taken into

754 consideration at this stage. Depending on market rules netting of confirmed schedules in  
755 different directions can be used in order to maximize the offered capacity.

756 This results in the available capacity for auction. The System Operators agree from this  
757 value the capacity that is to be offered to the market for auction. The resulting Offered  
758 Capacity is transmitted to the Transmission Capacity Allocator who makes the information  
759 available to the market. Depending on market rules the Transmission Capacity Allocator  
760 may increase the Offered Capacity with Resales of transmission capacity rights notified by  
761 Capacity Traders.

762 In cases where there are several Transmission Capacity Allocators involved in a border  
763 for different products, a Transmission Capacity Allocator could need information about  
764 transmission capacity rights of the Capacity Traders from another Transmission Capacity  
765 Allocator in order to correctly validate any resales.

### 766 4.3 WORKFLOW



768  
769 **FIGURE 6: ESTABLISH OFFERED CAPACITY WORKFLOW**

770 The process of establishing the Offered Capacity starts with the communication of release  
771 of transmission rights to the Transmission Capacity Allocator through the transmission of  
772 a Rights Document, for resale on the Capacity Traders behalf. In this phase the  
773 Nomination Validator also informs the System Operator of all validated nominations  
774 through the transmission of a Schedule Message.

775 The System Operators must agree on the available NTC through an exchange of Capacity  
776 Documents.

777 The Transmission Capacity Allocator then determines the AAC and informs the System  
 778 Operator. The System Operator then assembles all the capacity information for  
 779 transmission to the Capacity Coordinator. Instead of the AAC, the System Operator may  
 780 use information about the agreed firm schedules if a nomination and matching process  
 781 has taken place.

782 The Capacity Coordinator determines the Offered Capacity that can be made available to  
 783 the market for sale. This information is sent to the System Operators involved through the  
 784 transmission of a Capacity Document.

785 The Capacity Coordinator informs the Transmission Capacity Allocator or the Market  
 786 Operator, depending on the nature of the auction of the capacity that can be offered to the  
 787 market.

788 The Transmission Capacity Allocator or the Market Operator then makes this information  
 789 available to the market in compliance with local market rules.

## 790 5 EXPLICIT AUCTIONS

### 791 5.1 USE CASE

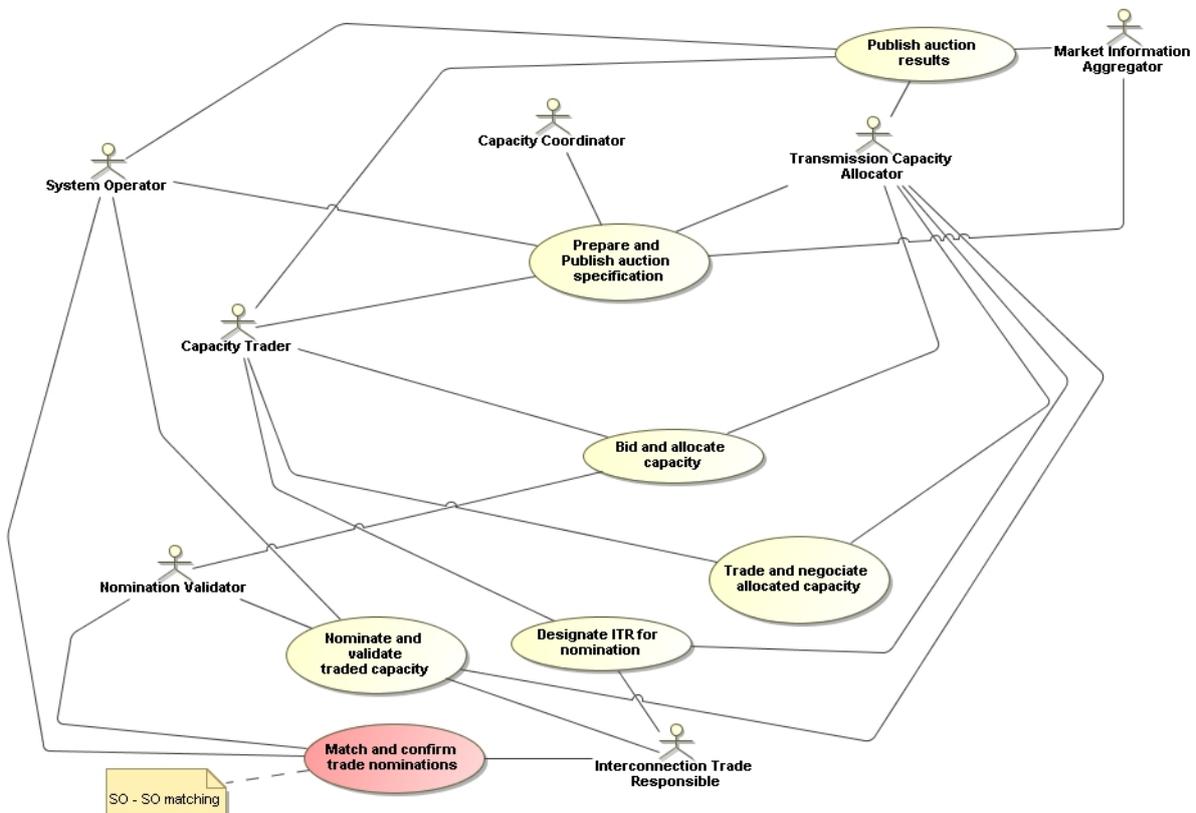


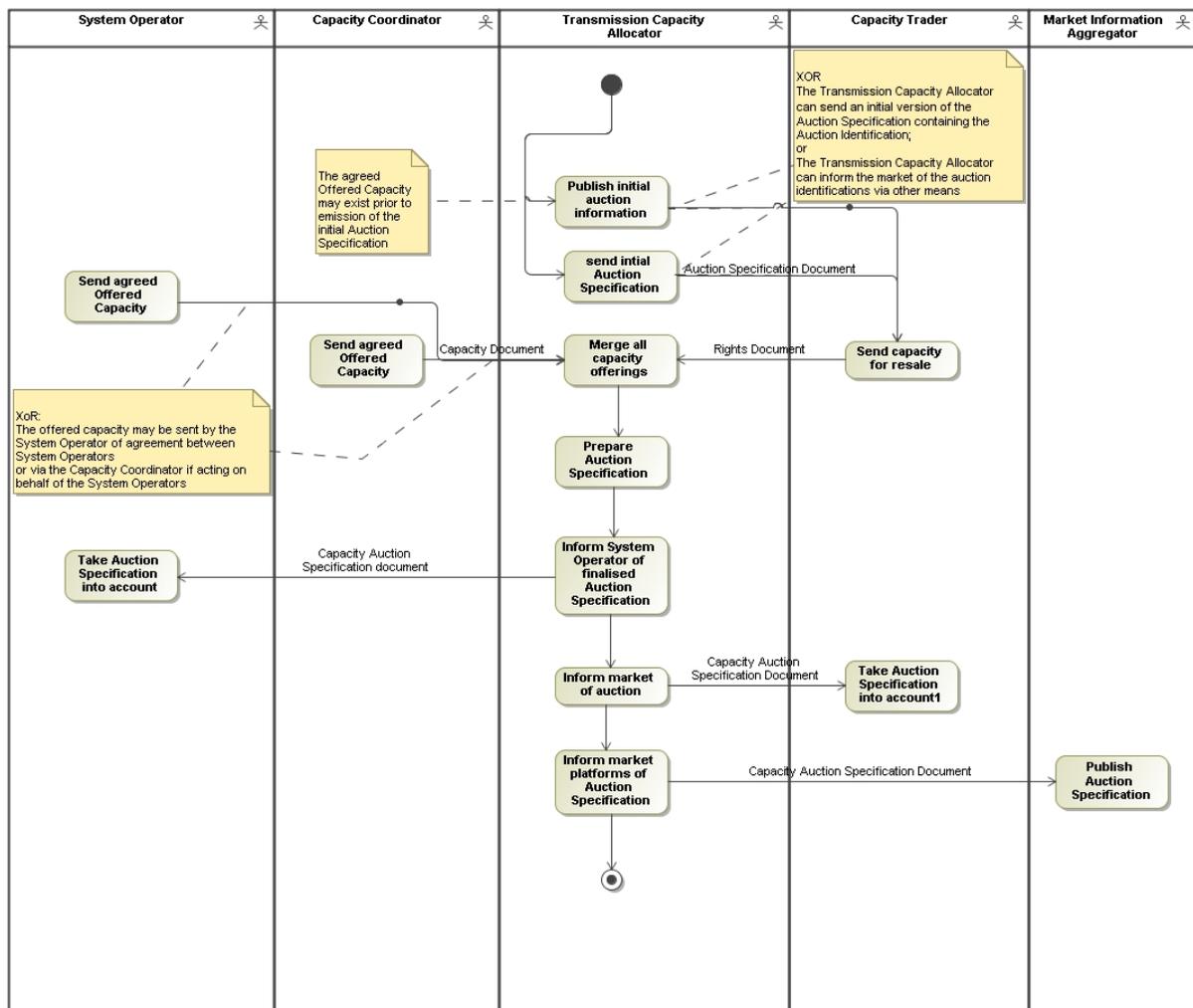
FIGURE 7: EXPLICIT AUCTION OVERVIEW

792  
793

794 **5.1.1 PREPARE AND PUBLISH AUCTION SPECIFICATION**

795 The process necessary to constitute an Auction Specification is initiated by the System  
 796 Operators who provide the Capacity Coordinator with all the information necessary for the  
 797 establishment of the Offered Capacity. This may be increased with additional capacity  
 798 rights submitted by the Capacity Traders for resale, for the period being addressed.

799 The Capacity Coordinator then determines the initial Offered Capacity with the information  
 800 received. The Offered Capacity is then sent to the Transmission Capacity Allocator to  
 801 enable the establishment of the Auction Specification for the period in question.



802

803

**FIGURE 8: PREPARE AND PUBLISH AUCTION SPECIFICATION WORKFLOW**

804

The overall workflow for the Explicit Auctions use case is outlined in figure 12.

805

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809

The Transmission Capacity Allocator may provide to the market initial information concerning the auctions to be held. This initial information transmission may make use of a first version of the Capacity Auction Specification Document or may make use of other means. In essence it shall provide the Capacity Traders with the Auction Identifications of the coming auctions.

810 If a Capacity Trader has Capacity Rights that will not be used, they may be sent to the  
811 Transmission Capacity Allocator for resale. The rights in question after verification will be  
812 incorporated into the initial Offered Capacity to provide the definitive Offered Capacity for  
813 the market.

814 The Auction Specification will then be finalised, providing all the conditions under which  
815 the auction will take place, such as bidding period, results publication time, contestation  
816 period, etc. It shall be transmitted to the involved System Operators, Capacity Traders and  
817 Market Information Aggregators. All of these parties shall receive the same information  
818 concerning the auction.

819 Once the Capacity Auction Specification Document is made public the process is at its  
820 end. Once published, the Capacity Auction Specification Document may be revised to  
821 provide information concerning auction evolutions and eventually its cancellation in  
822 accordance with defined market rules.

## 823 5.1.2 BID AND ALLOCATE CAPACITY

824 The Capacity Traders submit bids for the transmission rights on a border to the  
825 Transmission Capacity Allocator during the bidding period.

826 During a predefined validation window the Transmission Capacity Allocator will verify the  
827 correctness of all bids for the auction in question.

828 After the bidding phase, the bids in question are allocated transmission rights by the  
829 Transmission Capacity Allocator in compliance with the published auction rules.

### 830 5.1.2.1 DETERMINE ALLOCATION

831 The Transmission Capacity Allocator allocates the capacity to the Capacity Traders  
832 according to the allocation mechanism described in the applicable auction rules.

833 The ECAN process can accommodate different allocation mechanisms, such as

Allocation Mode	Payment Terms
Order by price with pro rata	Pay as bid / Pay as cleared
Order by price with first come – first served	Pay as bid / Pay as cleared
First come –first served	No payment terms
Pro rata	No payment terms

834 Using an “Order by price” and “pay as cleared” mechanism, if the sum of the Capacity for  
835 which valid Bids have been submitted is equal to or less than the amount of the Capacity  
836 available for the Auction, the Clearing Price is zero. If the total amount of Capacity for  
837 which valid Bids have been submitted exceeds the available Transmission Capacity for

838 the Auction in question, the highest Bid(s) for Capacity in an amount that does not exceed  
839 the available Transmission Capacity is (are) accepted. The remaining Capacity is  
840 awarded to the Capacity Trader(s) which has (have) submitted the next highest Bid(s) for  
841 Capacity in an amount that does not exceed the remaining Capacity; and so on for  
842 Capacity remaining after that in a “pro-rata” or “first come – first served” basis. Capacity is  
843 provided at the price of the lowest Bid that is accepted or, where the lowest Bid relates to  
844 Capacity in an amount that falls partially within the remaining Capacity, partially accepted.

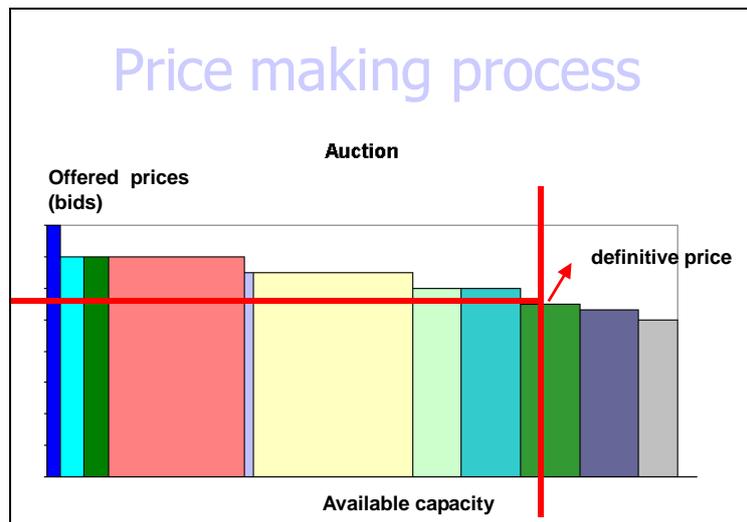


FIGURE 9 EXAMPLE OF PRICE DETERMINATION PROCESS

845  
846

847 Other allocation mechanisms such as “first come, first serve” or “pro rata” and “no  
848 payment terms” exist. These follow in an identical manner the auction process with the  
849 exceptions of the requirement for a bid price in the Bid document, and the need to order  
850 by price.

### 851 5.1.3 PUBLISH AUCTION RESULTS

852 In the final step of the capacity allocation process the Transmission Capacity Allocator  
853 publishes the auction results which include the auction outcome of all bids and resales.

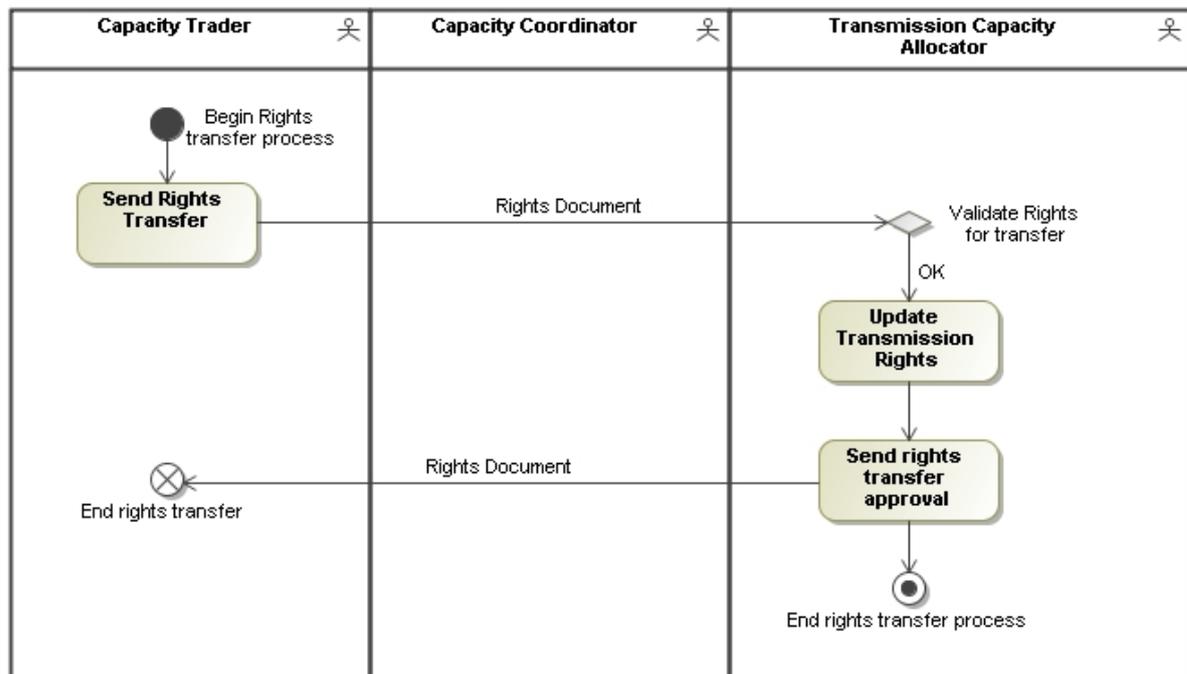
854 Involved System Operators are informed of the allocated and resold capacity being the  
855 outcome of the auction.

856 Each Capacity Trader is informed of the outcome of its Bid(s) and resales after the bidding  
857 period in compliance with auction rules.

858 The results may be re-transmitted to Market Information Aggregators for general  
859 publication.

### 860 5.1.4 TRADE AND NEGOTIATE ALLOCATED CAPACITY

861 In this process Capacity Traders trade transmission capacity rights between themselves  
862 and at the end of the trade inform the Transmission Capacity Allocator of the rights  
863 transfer.



864

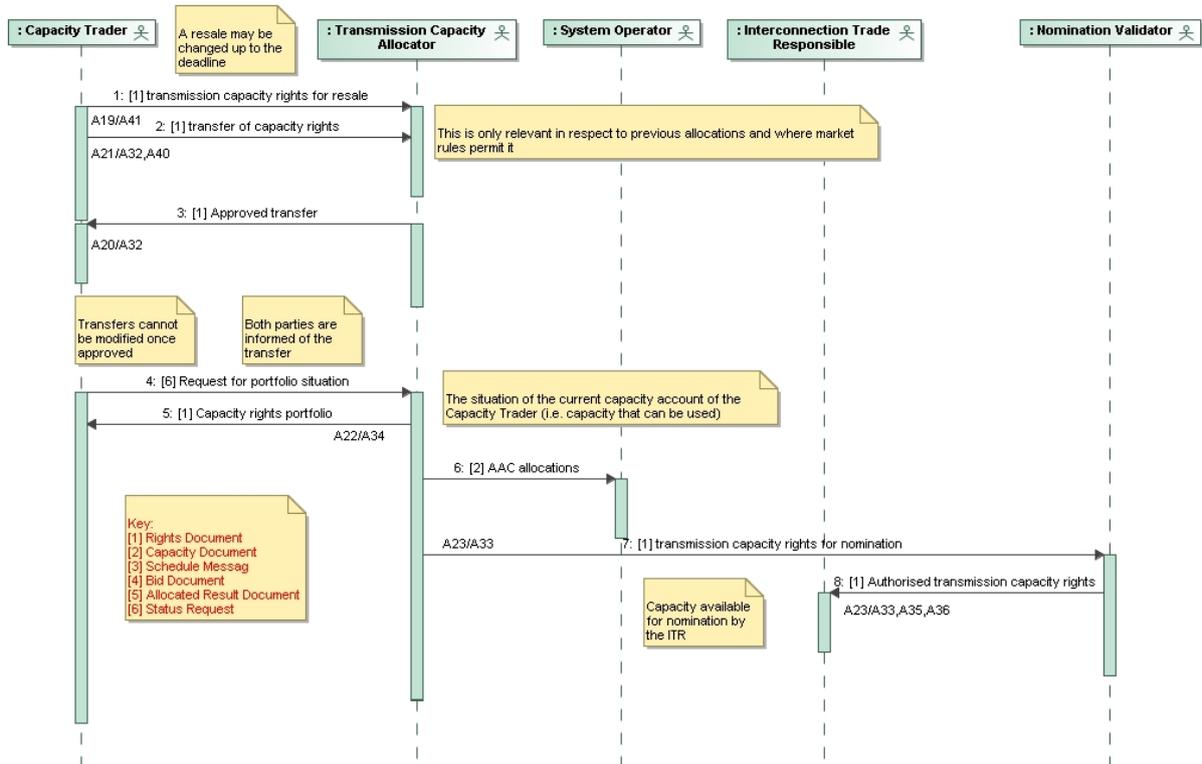
865

FIGURE 10: RIGHTS TRANSFER WORKFLOW

866 As outlined in the workflow in figure 10 the transfer of transmission rights from one  
 867 Capacity Trader to another Capacity Trader requires the transferor to send a Rights  
 868 document to the Transmission Capacity Allocator to inform him of the transfer of capacity  
 869 rights to the transferee. This does not release any AAC.

870 The Transmission Capacity Allocator approves the transfer through the transmission of a  
 871 Rights document containing the approved transmission rights that have been transferred  
 872 between both parties. This is sent to both the transferor and the transferee parties.

873 **5.1.4.1 SECONDARY MARKET OVERVIEW**



874

875

**FIGURE 11: SECONDARY MARKET SEQUENCE DIAGRAM**

876 A secondary market permits the trading of capacity rights between Capacity Traders. A  
 877 Capacity Trader can either be an Interconnection Trade Responsible or have an identified  
 878 Interconnection Trade Responsible. If there is no appointed Interconnection Trade  
 879 Responsible then he cannot use the capacity in his own right. The Transmission Capacity  
 880 Allocator must have knowledge of this. Three cases can be identified:

- 881 1. The resale of capacity rights (the capacity rights held by a Capacity Trader that are  
 882 released to the Transmission Capacity Allocator for sale);
- 883 2. The transfer of capacity rights that have been sold (the capacity rights held by a  
 884 Capacity Trader that have been transferred to another party).
- 885 3. The transfer of capacity rights for nomination purposes (the capacity rights held by a  
 886 Capacity Trader that have been transferred to an Interconnection Trade Responsible  
 887 to enable their nomination) (see section 5.1.5).

888 **5.1.4.2 CAPACITY RIGHTS RESALE**

889 The Capacity Trader may, dependent on local rules, release his transmission capacity  
 890 rights that he has previously acquired prior to an auction. If the capacity is released to the  
 891 Transmission Capacity Allocator sufficiently in advance the trader can benefit from its  
 892 resale in the coming auction.

893 In a “use it or sell it” (UIOSI) model the Capacity Trader benefits from the resale of the  
 894 capacity rights in a subsequent auction for the part of the capacity that was not nominated  
 895 beforehand.

896 In a “use it or lose it” model (UIOLI) capacity not nominated is generally lost by the  
897 Capacity Trader.

#### 898 **5.1.4.3 CAPACITY RIGHTS TRANSFER**

899 The Capacity Trader must prior to nomination inform the Transmission Capacity Allocator  
900 of any contractual changes (i.e. change of capacity rights holder) that might have occurred  
901 in respect to the capacity rights that he holds.

902 The Transmission Capacity Allocator confirms these changes to both the existing and new  
903 capacity rights holders.

#### 904 **5.1.4.4 CAPACITY RIGHTS PORTFOLIO**

905 A Capacity Trader may request information concerning his capacity rights portfolio from  
906 the Transmission Capacity Allocator. Such a requirement may exist due to secondary  
907 market trading in which the Capacity trader was involved.

908 In order to obtain a snapshot of his capacity rights portfolio, the Capacity Trader may  
909 either use functionality provided by the Transmission Capacity Allocator or transmit a  
910 request to the Transmission Capacity Allocator asking for his situation. In the second case  
911 the ENTSO-E Status Request Document should be used.

#### 912 **5.1.4.5 FINAL ALLOCATION INFORMATION**

913 The secondary market process terminates when the Transmission Capacity Allocator  
914 transmits to the System Operator the AAC that has been allocated for the period in  
915 question. This is transmitted through a Capacity document. The Transmission Capacity  
916 Allocator also informs the Nomination Validator of the detailed transmission capacity  
917 allocations for the period to be nominated. The information is sent to the Nomination  
918 Validator with a Rights Document.

#### 919 **5.1.5 DESIGNATE ITR FOR NOMINATION**

920 In this process a Capacity Trader informs the Transmission Capacity Allocator of the  
921 Interconnection Trade Responsible that will carry out the nomination of transmission  
922 capacity rights on his behalf. This is necessary, if the Capacity Trader is not authorized to  
923 nominate the capacity on a border. The designation of the Interconnection Trade  
924 Responsible that will nominate the capacity is transmitted to the Transmission Capacity  
925 allocation with a Rights Document.

926 The Interconnection Trade Responsible is informed of this designation by the Capacity  
927 Trader. Informing the Interconnection Trade Responsible is not part of this guide.

#### 928 **5.1.6 NOMINATE AND VALIDATE TRADED CAPACITY**

929 In this process an Interconnection Trade Responsible nominates to a Nomination  
930 Validator the energy supported by his capacity rights on a border. The Nomination  
931 Validator validates the nominations in respect to local market rules.

### 932 **5.1.6.1 NOMINATE USE OF BORDER CAPACITY**

933 Capacity rights have been acquired in the different auctions by the Capacity Traders, but  
934 responsibility of using that capacity lies with the Interconnection Trade Responsible.  
935 Consequently, in cases where the Capacity Trader has sold his allocated transmission  
936 rights, partially or completely, on a secondary market, or has bought capacity rights on  
937 behalf of an Interconnection Trade Responsible it is necessary that the Capacity Trader  
938 informs the Transmission Capacity Allocator. The Capacity Trader shall also keep  
939 informed the Interconnection Trade Responsible involved of the capacity that is planned  
940 for nomination.

941 The Nomination Validator receives the final allocations (capacity rights) from the  
942 Transmission Capacity Allocator, which identifies the Interconnection Trade Responsible  
943 parties authorised to nominate the capacity, and sends the authorised nomination  
944 capacity to the Interconnection Trade Responsibles in question.

945 A distinction has to be made between the Capacity Trader and the Interconnection Trade  
946 Responsible Roles. In essence the Capacity Trader has a contract with the Transmission  
947 Capacity Allocator and operates on capacity market and the Interconnection Trade  
948 Responsible has a contract with the Nomination Validator and with the System Operator  
949 and carries out cross border nominations. In many cases the same actor plays both roles.

950 As a basic principle if the Capacity Trader also plays the role of Interconnection Trade  
951 Responsible he does not need to inform the Transmission Capacity Allocator. If the  
952 Capacity Trader operates permanently on behalf of an Interconnection Trade Responsible  
953 he shall inform the Transmission Capacity Allocator to avoid the need to send this  
954 information after each auction.

955 Concerning the transmission of the rights to an Interconnection Trade Responsible,  
956 several possibilities exist:

- 957 1. The Capacity Trader was already an Interconnection Trade Responsible, in which  
958 case nothing need be done;
- 959 2. The Capacity Trader explicitly identifies one or more Interconnection Trade  
960 Responsible(s) to nominate his capacity;
- 961 3. The Capacity Trader transfers his rights to another Capacity Trader who is in his own  
962 right an Interconnection Trade Responsible.

963 If the Capacity Trader does not fit into one of the three above mentioned possibilities then  
964 at the time of nomination he will effectively lose his capacity rights (or be compensated if  
965 local market rules permit).

966 Depending on local market rules several types of capacity rights (e.g. yearly, monthly)  
967 could be aggregated into a single type of capacity right (e.g. long term). To prevent the  
968 improper use of such capacity rights the Transmission Capacity Allocator should assign a  
969 new Capacity Contract Identification for the long term rights for each day. This ensures  
970 that the Interconnection Trade Responsible will be unable to nominate unauthorised  
971 capacity rights.

972 Interconnection Trade Responsibles declare to the appropriate Nomination Validator the  
973 capacity they are going to use (long term, daily and intraday Nominations). The  
974 mechanisms to declare the use of the acquired capacity may vary from interconnection to  
975 interconnection (i.e. the capacity can be declared as the execution of an energy exchange  
976 program in the interconnection or by means of a specific capacity use declaration).

#### 977 **5.1.6.2 POSSIBILITY OF CURTAILMENT OF ALLOCATED CAPACITY**

978 If in order to ensure network security, the System Operator found it necessary to curtail  
979 the transmission capacity rights from a previous auction, the System Operator informs the  
980 corresponding Transmission Capacity Allocator of the curtailment that will have to be  
981 imposed. The Transmission Capacity Allocator informs the Capacity Traders of the new  
982 curtailed transmission capacity rights.

983 The nomination process will then continue as explained in the previous section.

#### 984 **5.1.6.3 VALIDATE NOMINATIONS**

985 The validation process for nominations may take place on one side or both sides of the  
986 border.

987 The Nomination Validator must check that the nominations from the Interconnection Trade  
988 Responsible parties do not exceed the amount of capacity that the Transmission Capacity  
989 Allocator has communicated. In the case that the nominations exceeded the amount of  
990 the capacity rights the Nomination Validator applies local market rules. Here are some  
991 possible reactions:

- 992 ○ The Nomination Validator rejects the nomination.
- 993 ○ The Nomination Validator sets the concerned capacity values to zero.
- 994 ○ The Nomination Validator modifies the concerned capacity values to the values of the  
995 capacity rights on a pro rata basis.

996 The time a validation can be carried out (directly after the nomination arrives or after gate  
997 closure) depends on the validation rules and which kind of Interconnection Trade  
998 Responsible relations are allowed on a border (single party, coupled, cross nomination).

999 In some cases the Nomination Validator needs the nominations from both sides of a  
1000 border in order to carry out the validation to avoid potential errors when long term contract  
1001 Interconnection Trade Responsible assignments have lapsed. Alternatively this could be  
1002 avoided through the systematic renumbering by the Transmission Capacity Allocator of  
1003 the contract identifications for the capacity to be used on a given day.

1004 The Nomination Validator could inform the Interconnection Trade Responsible prior to  
1005 gate closure whenever a validation problem has been identified.

#### 1006 **5.1.6.4 INFORM SYSTEM OPERATOR OF NOMINATIONS**

1007 Valid Nominations are then sent to the System Operator by the Nomination Validator.

## 1008 5.1.7 MATCH AND CONFIRM TRADE NOMINATIONS

1009 The validated trade nominations submitted by the Interconnection Trade Responsible are  
1010 matched via the SO - SO matching process and when correct they are confirmed.

### 1011 5.1.7.1 MATCH NOMINATIONS BETWEEN SYSTEM OPERATORS

1012 Regional matching rules are applied, for example, in the Continental Europe Regional  
1013 area this process is carried out in compliance with the Continental Europe<sup>2</sup> Operation  
1014 Handbook Policy 2 ESS implementation.

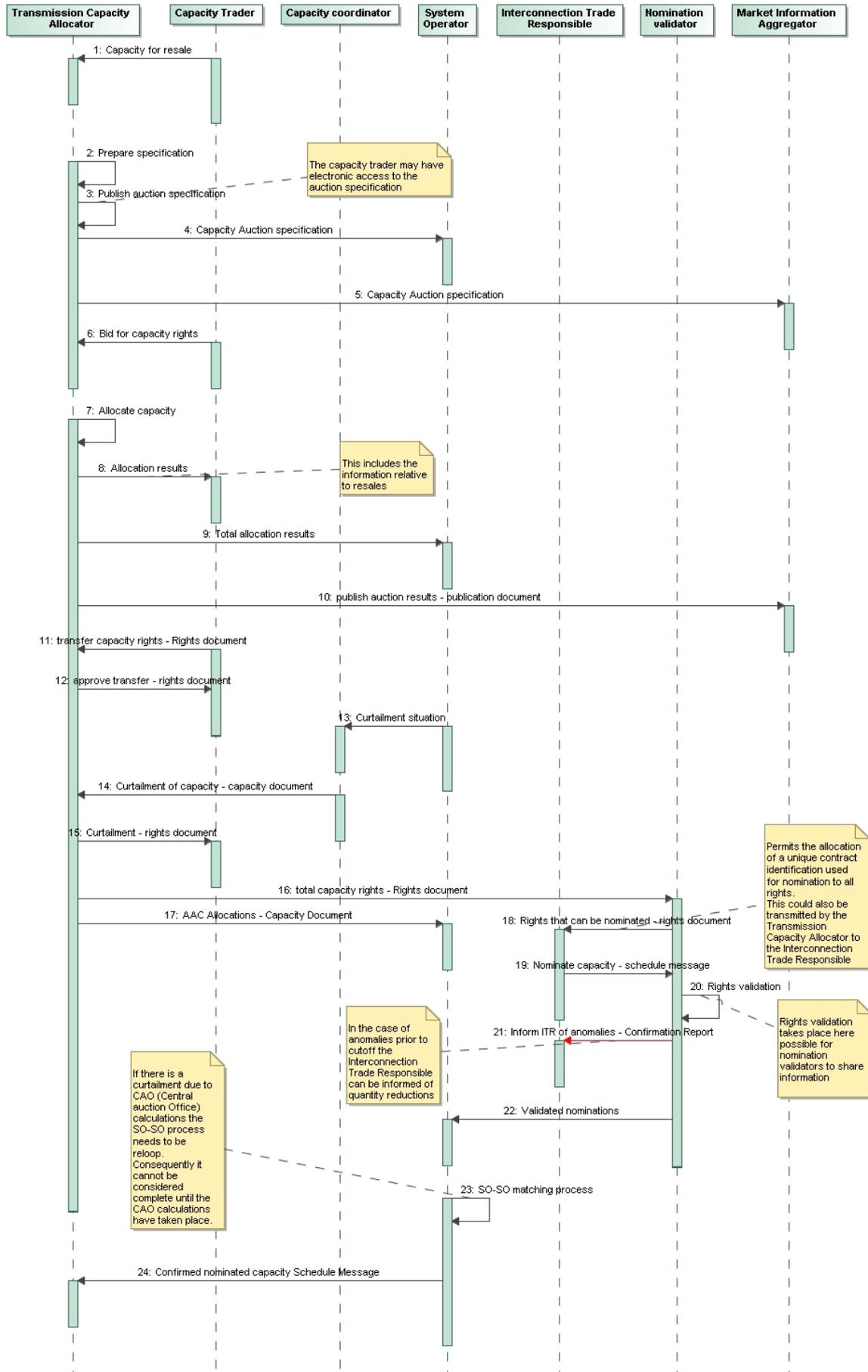
### 1015 5.1.7.2 CONFIRM NOMINATIONS

1016 After the nominations have been matched between System Operators each System  
1017 Operator confirms nominations to the Interconnection Trade Responsible.

---

<sup>2</sup> Formally UCTE

## 1018 **5.2 SEQUENCE DIAGRAM**



1020 **FIGURE 12: EXPLICIT AUCTIONS SEQUENCE DIAGRAM**

1021 The sequence is initiated with the Capacity Traders indicating the capacity rights that are  
1022 for resale. This is not mandatory but should a Capacity Trader wish to resell capacity  
1023 rights then the Transmission Capacity Allocator has to be informed prior to the publication  
1024 of the auction specification.

1025 The Transmission Capacity Allocator prepares the auction specification with the  
1026 information provided by the Capacity Coordinator and any Capacity rights that have been  
1027 received for resale.

1028 The auction specification is published by the Transmission Capacity Allocator and the  
1029 System Operator and Market Information Aggregator are informed of its contents.

1030 Capacity Traders that are registered with the Transmission Capacity Allocator bid for the  
1031 different capacities that are available, submitting bids to the Transmission Capacity  
1032 Allocator for the auction in question.

1033 When the limit for bidding is reached the Transmission Capacity Allocator allocates the  
1034 capacity rights that have been auctioned by applying local market defined rules.

1035 The Transmission Capacity Allocator informs the Capacity Traders of the results of the  
1036 auction, successful and unsuccessful bids including the amount of released transmission  
1037 capacity rights that has been successfully sold during the auction (explicit resales), and  
1038 provides the complete results to the System Operator.

1039 Finally the Transmission Capacity allocator publishes the overall results and provides this  
1040 information to the Market Information Aggregator.

1041 Secondary trading may take place prior to the nomination process. The Capacity Traders  
1042 have to inform the Transmission Capacity Allocator of all Capacity rights transfers. The  
1043 transfers are duly approved by the Transmission Capacity Allocator.

1044 If a Capacity Trader has not the right to nominate on a border he must inform the  
1045 Transmission Capacity Allocator of the party that will nominate his capacity rights.

1046 At any time in this process a System Operator may inform the Transmission Capacity  
1047 Allocator of a situation that requires curtailment at a given border. The Transmission  
1048 Capacity Allocator applies local market rules to the curtailment situation and informs the  
1049 Capacity Traders of their revised rights for the border in question.

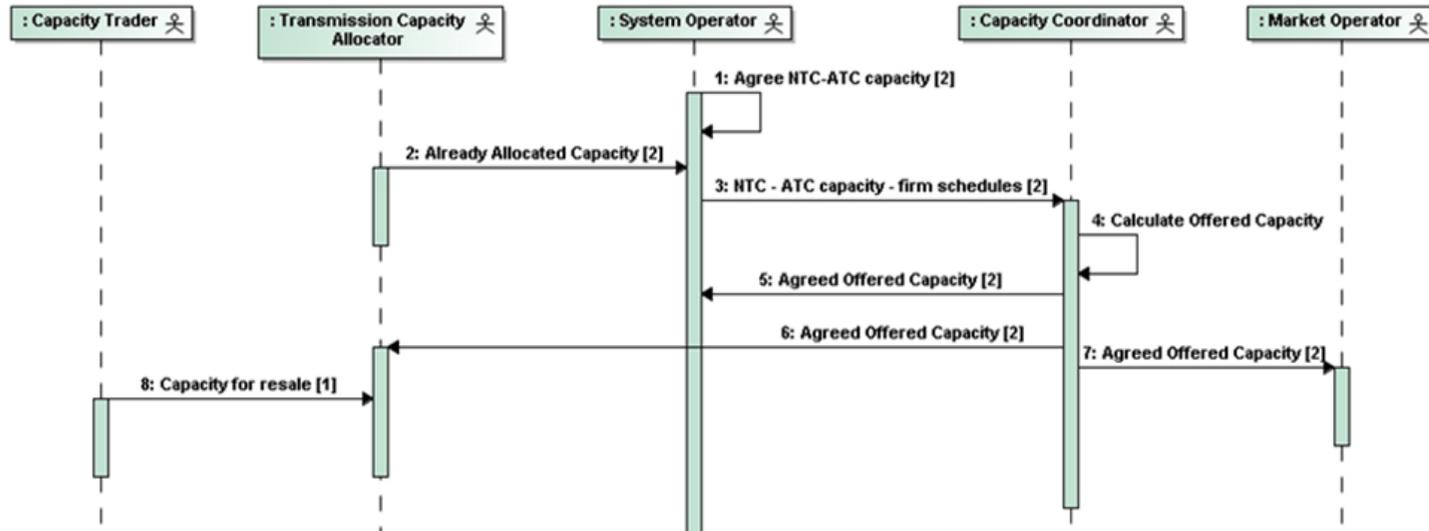
1050 Prior to nomination, the Transmission Capacity allocator informs the System Operator and  
1051 Nomination Validator of the capacity rights that may be nominated on a border.

1052 Either the Nomination Validator or the Transmission Capacity Allocator informs the  
1053 Interconnection Trade Responsible parties of the capacity rights that they may use for  
1054 nomination.

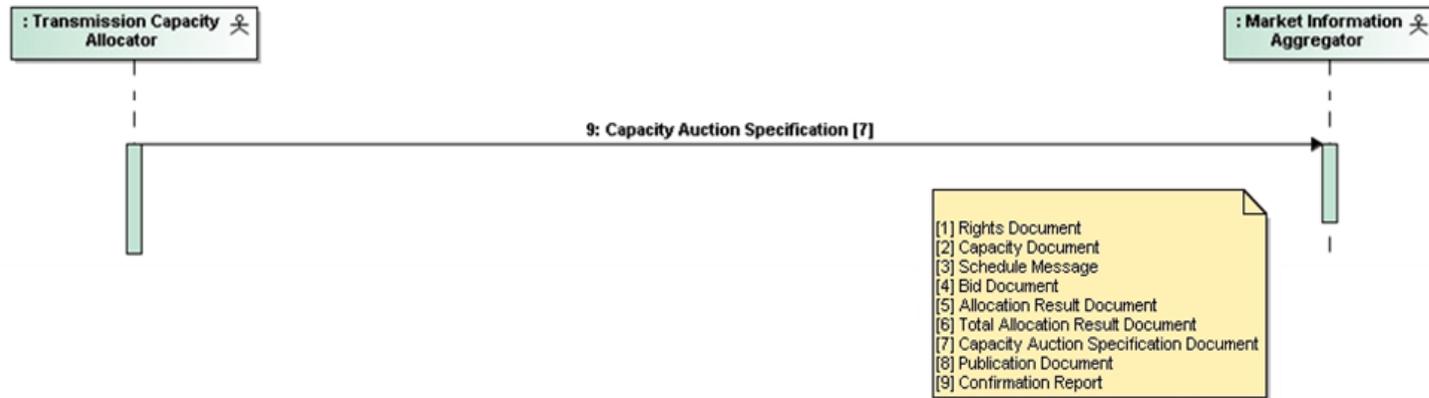
1055 The Interconnection Trade Responsible party nominates the capacity required for the  
1056 border in question. The Nomination Validator ensures that capacity rights are not  
1057 exceeded. In the case where too much capacity rights have been nominated the  
1058 Nomination Validator informs the Interconnection Trade Responsible of the anomaly. The

- 1059 Interconnection Trade Responsible must take all necessary corrective action to bring the  
1060 nomination values into line with the capacity rights.
- 1061 When the validation cycle is finalised, the Nomination Validator informs the System  
1062 Operator of all the validated nominations.
- 1063 The System Operator then enters the System Operator to System Operator exchange  
1064 process with his counterpart to ensure the coherence of the nominations on both sides of  
1065 the border. In case of disagreement or not being able to exchange data, agreed System  
1066 Operator rules will be applied.
- 1067 At the completion of this matching, the Interconnection Trade Responsible parties are  
1068 informed of the results and the Transmission Capacity Allocator is informed of the  
1069 confirmed nominated capacity.

### 1. Establish Offered Capacity



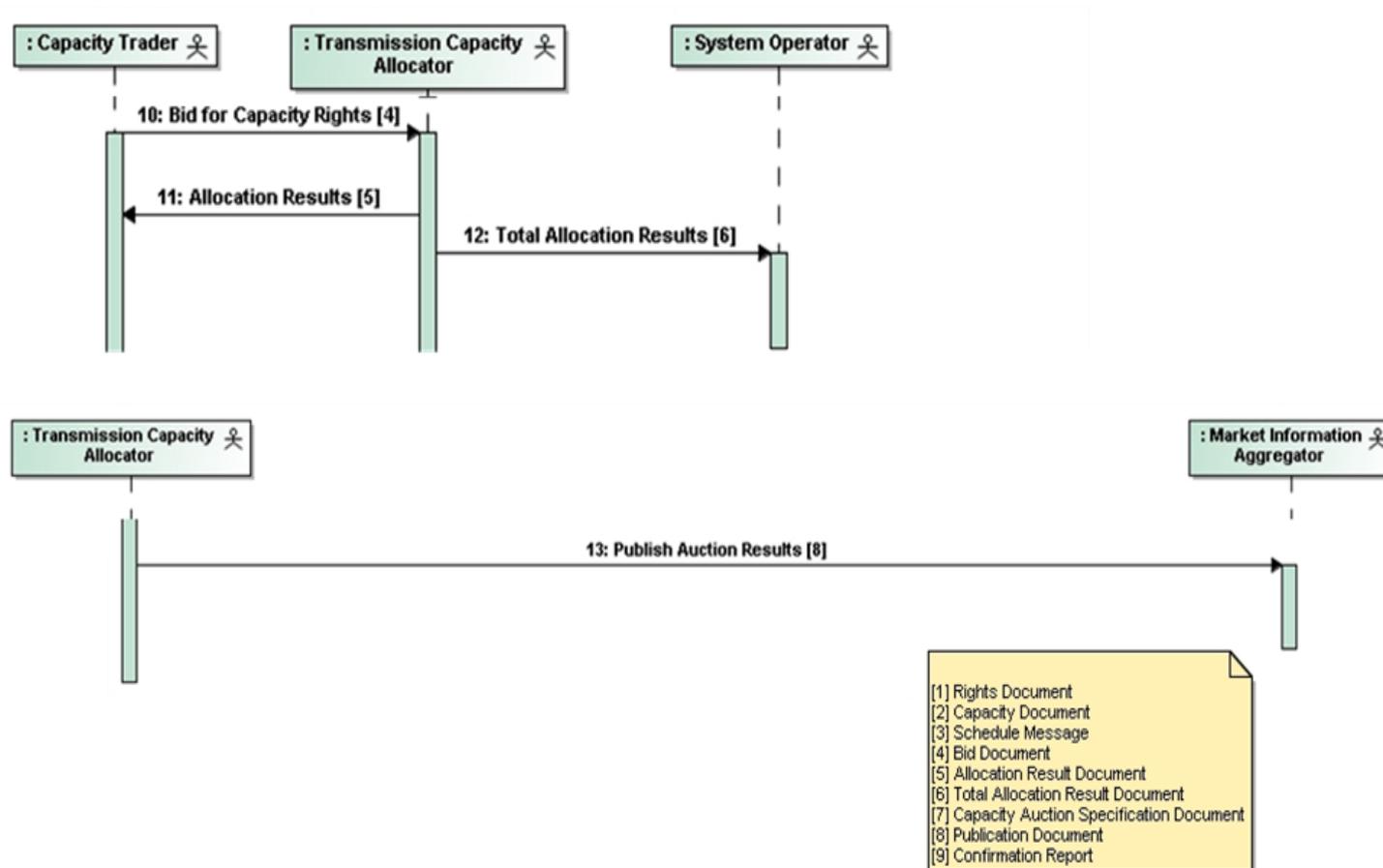
### 2. Publish Capacity Auction Specification



1070  
 1071  
 1072

FIGURE 13: SIMPLIFIED INFORMATION SEQUENCE FLOW – PERIODIC AUCTION SEQUENCE- A

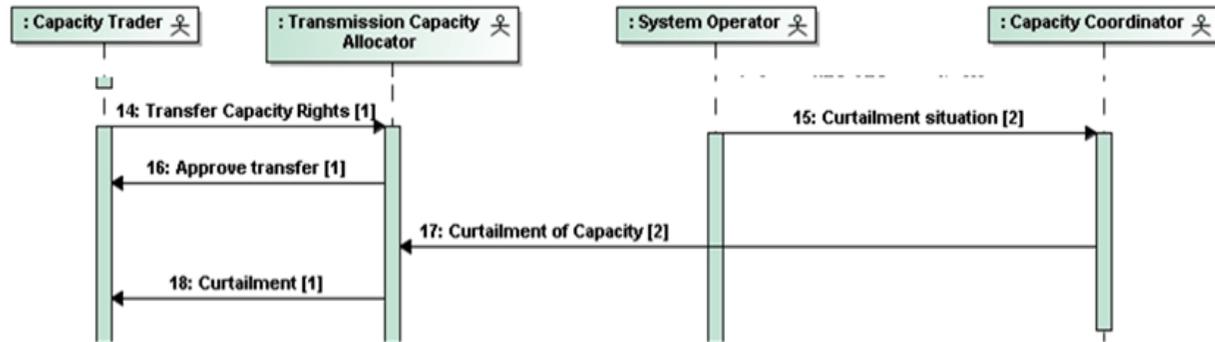
### 3. Auction Capacity



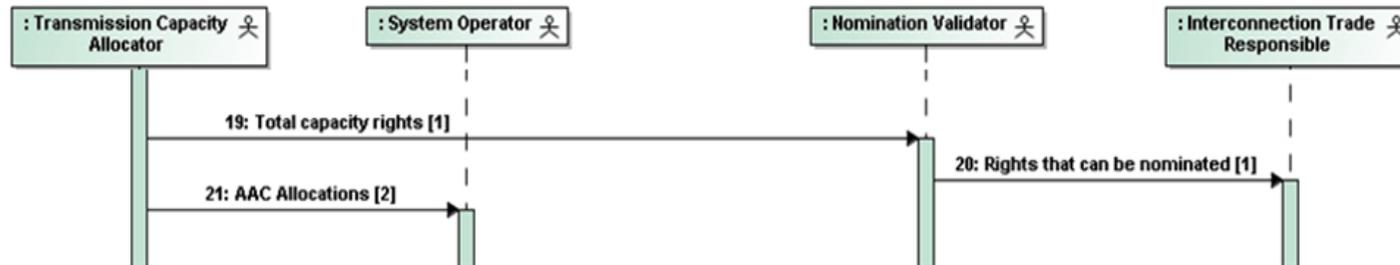
1073  
1074

FIGURE 14: SIMPLIFIED INFORMATION SEQUENCE FLOW – PERIODIC AUCTION SEQUENCE - B

### 4. Transfer and Curtail if Necessary



### 5. Transmit Capacity Rights

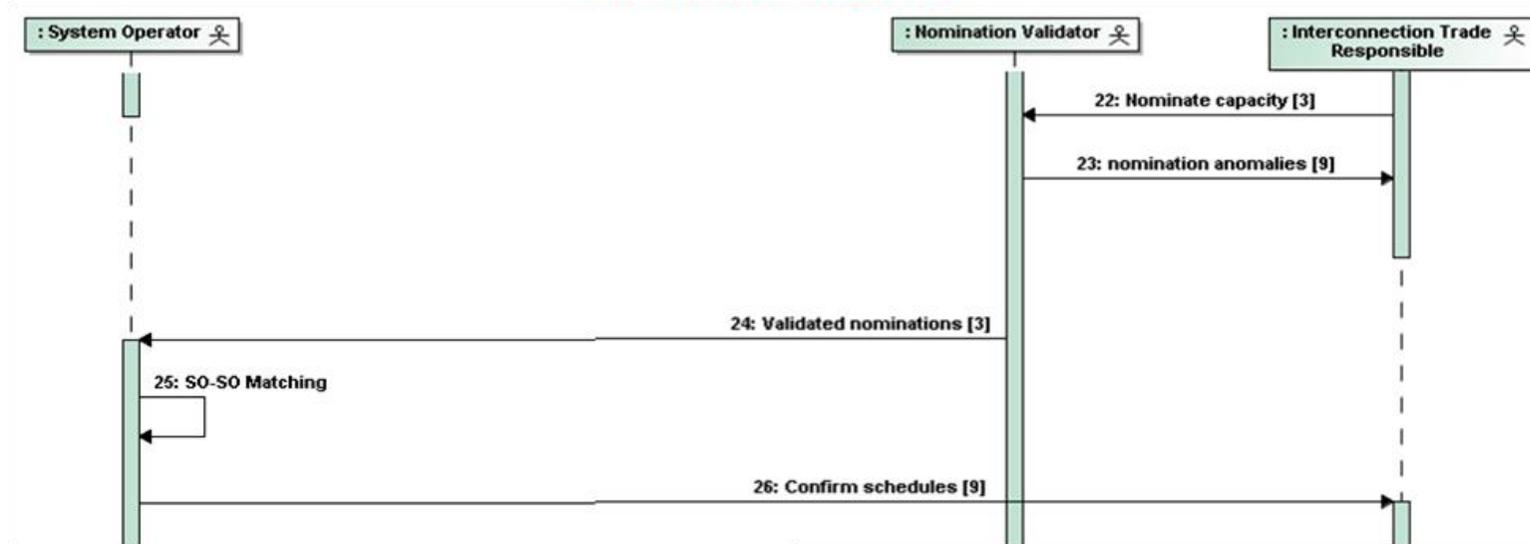


- [1] Rights Document
- [2] Capacity Document
- [3] Schedule Message
- [4] Bid Document
- [5] Allocation Result Document
- [6] Total Allocation Result Document
- [7] Capacity Auction Specification Document
- [8] Publication Document
- [9] Confirmation Report

FIGURE 15: SIMPLIFIED INFORMATION SEQUENCE FLOW – PERIODIC AUCTION SEQUENCE - C

1075  
1076

### 6. Nominate Capacity



### 7. Transmit Confirmed Nominated Capacity

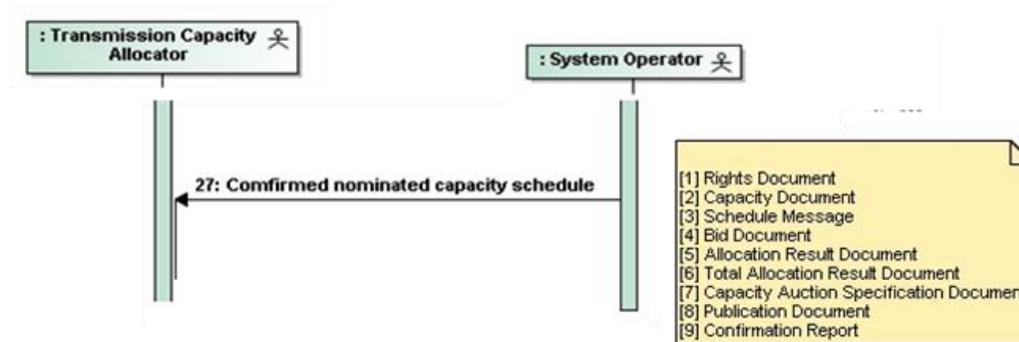


FIGURE 16: SIMPLIFIED INFORMATION SEQUENCE FLOW – PERIODIC AUCTION SEQUENCE - D

1077  
1078  
1079

1080 The sequence diagram shown in figures 13, 14, 15 and 16 provide a basic overview of the  
 1081 information requirements for the allocation of capacity through a periodic explicit auction.

1082 *Note:*

1083 *The Capacity Trader is registered with the Transmission Capacity Allocator (commercial);*

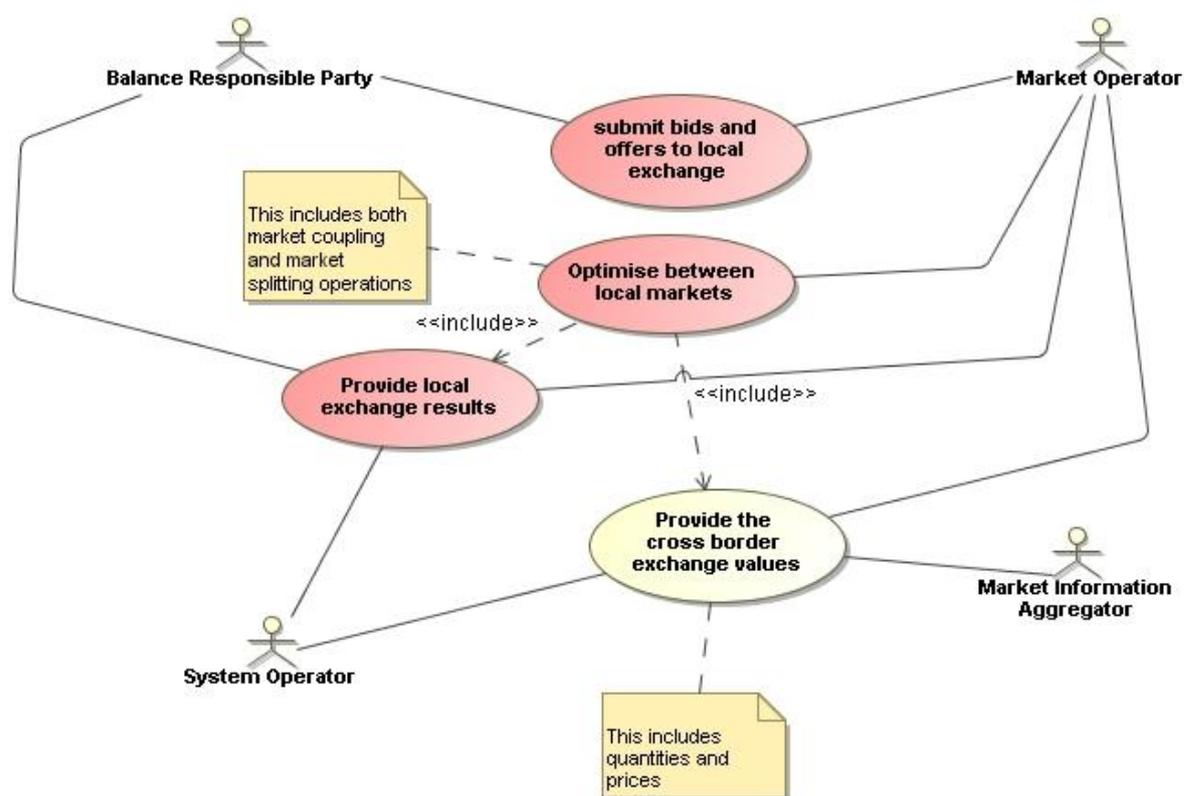
1084 *The Interconnection Trade Responsible is registered with the System Operator;*

1085 *The Nomination Validator is provided with the complete list of the eligible Interconnection*

1086 *Trade Responsibles and Capacity Traders.*

## 1087 6 IMPLICIT AUCTIONS

### 1088 6.1 USE CASE



1089

1090

FIGURE 17: IMPLICIT AUCTION OVERVIEW

#### 1091 6.1.1 SUBMIT BIDS AND OFFERS TO LOCAL EXCHANGE

1092 At first, local Market Operators collect bids and offers for energy trade on their own market  
 1093 area from Balance Responsible Parties.

## 1094 6.1.2 OPTIMISE BETWEEN LOCAL MARKETS

1095 At this stage, a specific Market Operator – who is responsible for market coordination  
1096 activities – will use inputs from the System Operator (Offered Capacity) and the markets  
1097 (list of bids and offers) to establish power flows through the interconnection(s) and the  
1098 market prices for each price zone. When a price difference between two market areas  
1099 exists it represents the value of the congested capacity - i.e. the auction income.

1100 Different optimisations between markets exist such as market coupling and market  
1101 splitting.

## 1102 6.1.3 PROVIDE LOCAL EXCHANGE RESULTS

1103 This is the process where the market participants are informed of the local exchange  
1104 results. A Balance Responsible Party does not know from which area the energy provided  
1105 comes.

## 1106 6.1.4 PROVIDE THE CROSS BORDER EXCHANGE VALUES

1107 In parallel to the previous process, System Operators are informed of the cross border  
1108 exchanges that have to be put in place to optimise market coordination. This will enable  
1109 them to proceed to SO-SO matching activities.

1110 Cross border power flows are also communicated to the Market Information Aggregator.

1111 **6.2 SEQUENCE DIAGRAM**

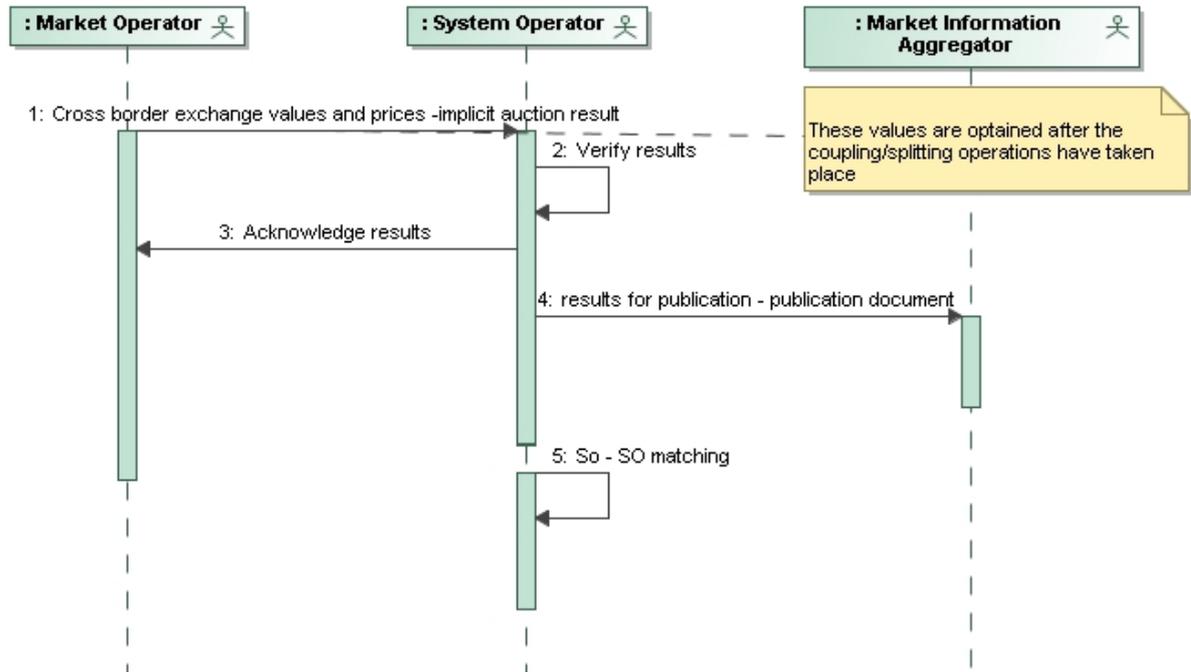


FIGURE 18: IMPLICIT AUCTION SEQUENCE DIAGRAM

1112  
1113  
1114  
1115  
1116  
1117

The market coordination activities are outside the scope of this Implementation Guide. Therefore, only dataflows between the Market Operator in charge of coordination and System Operators / Market Information Aggregator at the very end of the implicit auction use case are represented here.

1118  
1119

The Market Operator first sends an implicit auction result document to the System Operator which contains the cross border exchange values and the associated prices.

1120  
1121  
1122

System Operators check the results for consistency (e.g. ensuring the power flows respect network security constraints) and acknowledgement of the results is then sent back to the Market Operator (acknowledgement document).

1123  
1124

The System Operators are responsible for communicating the results to the Market Information Aggregator.

1125  
1126  
1127

After the implicit process has finished, the SO-SO matching process takes place, where applicable, between System Operators to ensure that the schedules on the border are matched.

1128 **6.3 WORKFLOW**

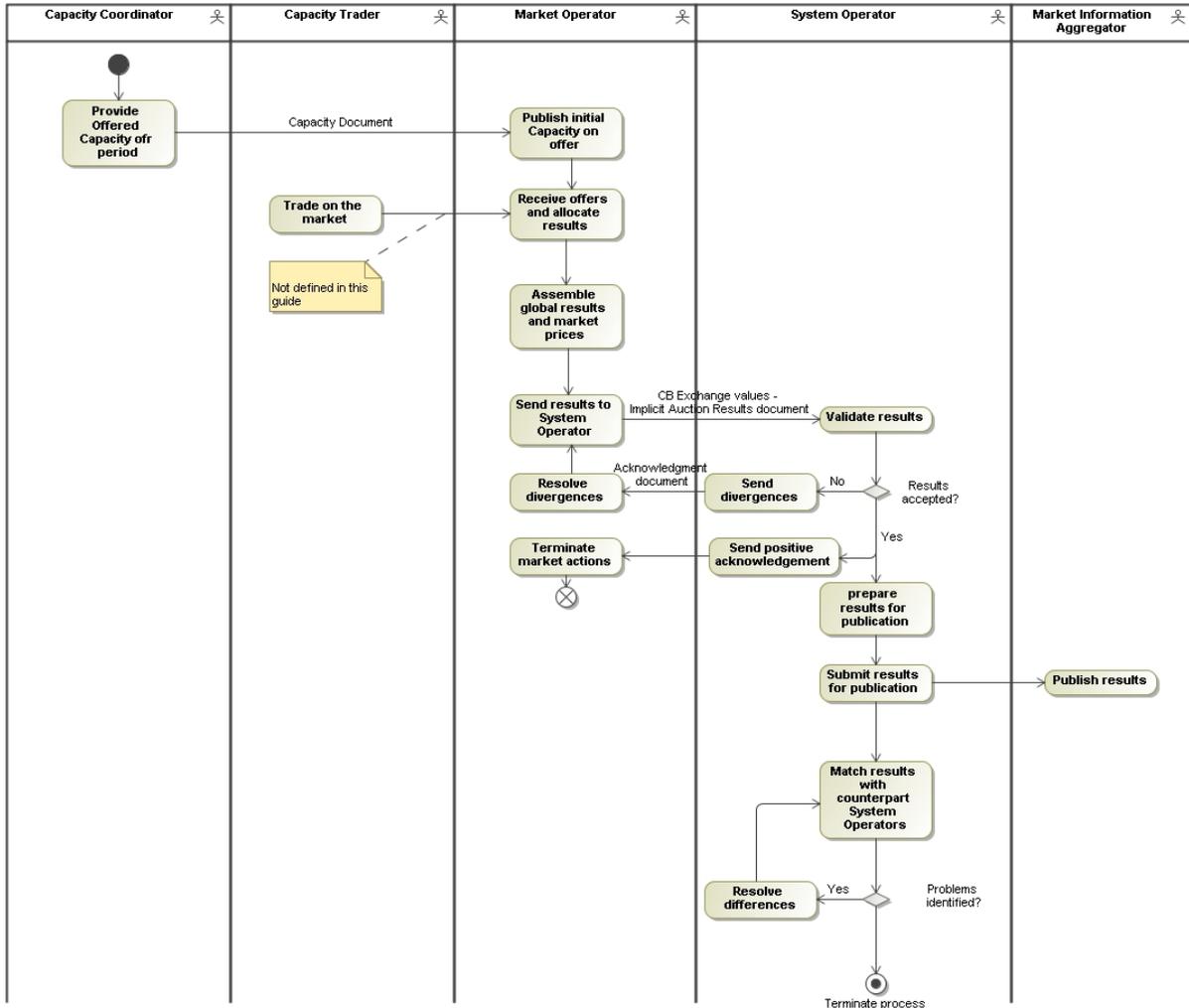


FIGURE 19: IMPLICIT AUCTION WORKFLOW

1129

1130

1131 Initial Offered Capacity for Cross Border exchanges for a given period is provided by the  
1132 Capacity Coordinator. This information is provided to the Traders for sale.

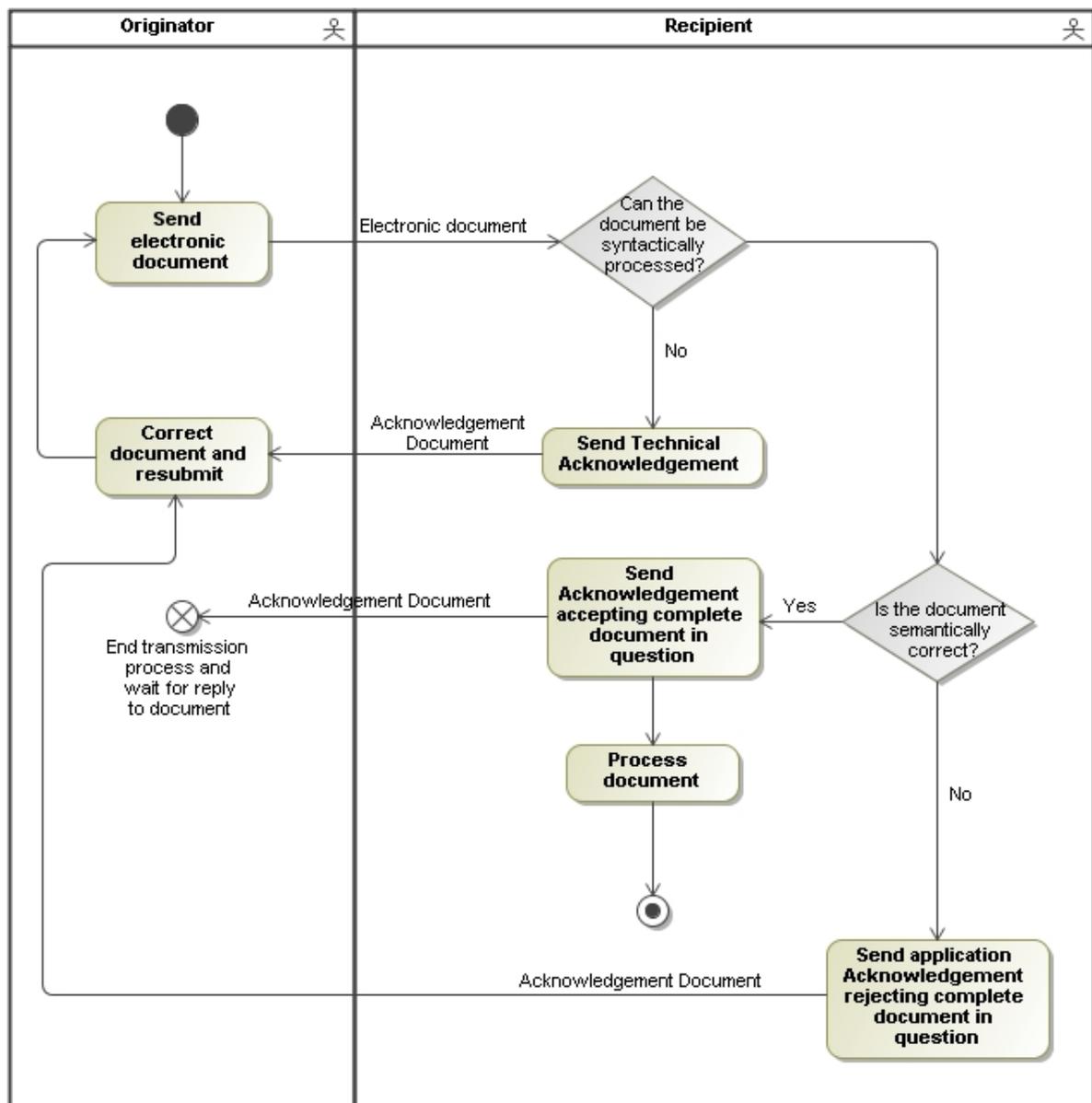
1133 The Traders buy and sell through the Market Operator the energy that is required for the  
1134 period. At the end of the market, the Market Operator assembles the cross border  
1135 information together and transmits the information to the System Operator with an Implicit  
1136 Auction results document.

1137 The System Operator verifies the consistency of the information provided and ensures  
1138 that the power flows are within the network security constraints. The System Operator  
1139 acknowledges that the information is satisfactory through the transmission of an  
1140 Acknowledgement Document. In the case of problems the system Operator transmits a  
1141 negative Acknowledgement document to the Market Operator and then takes the  
1142 necessary action in cooperation with the Market Operator to resolve the issue.

1143 Once the information provided is deemed valid the System Operator transmits the results  
 1144 of the implicit auction to the Market Information Aggregator with a Publication Document.

1145 The System Operator contacts the neighbouring System Operators and validates the  
 1146 cross border flows through the System Operator to System Operator validation process.

1147 **7 ACKNOWLEDGEMENT PROCESS REQUIRED FOR ECAN**  
 1148 **TRANSMISSIONS**



1149

1150

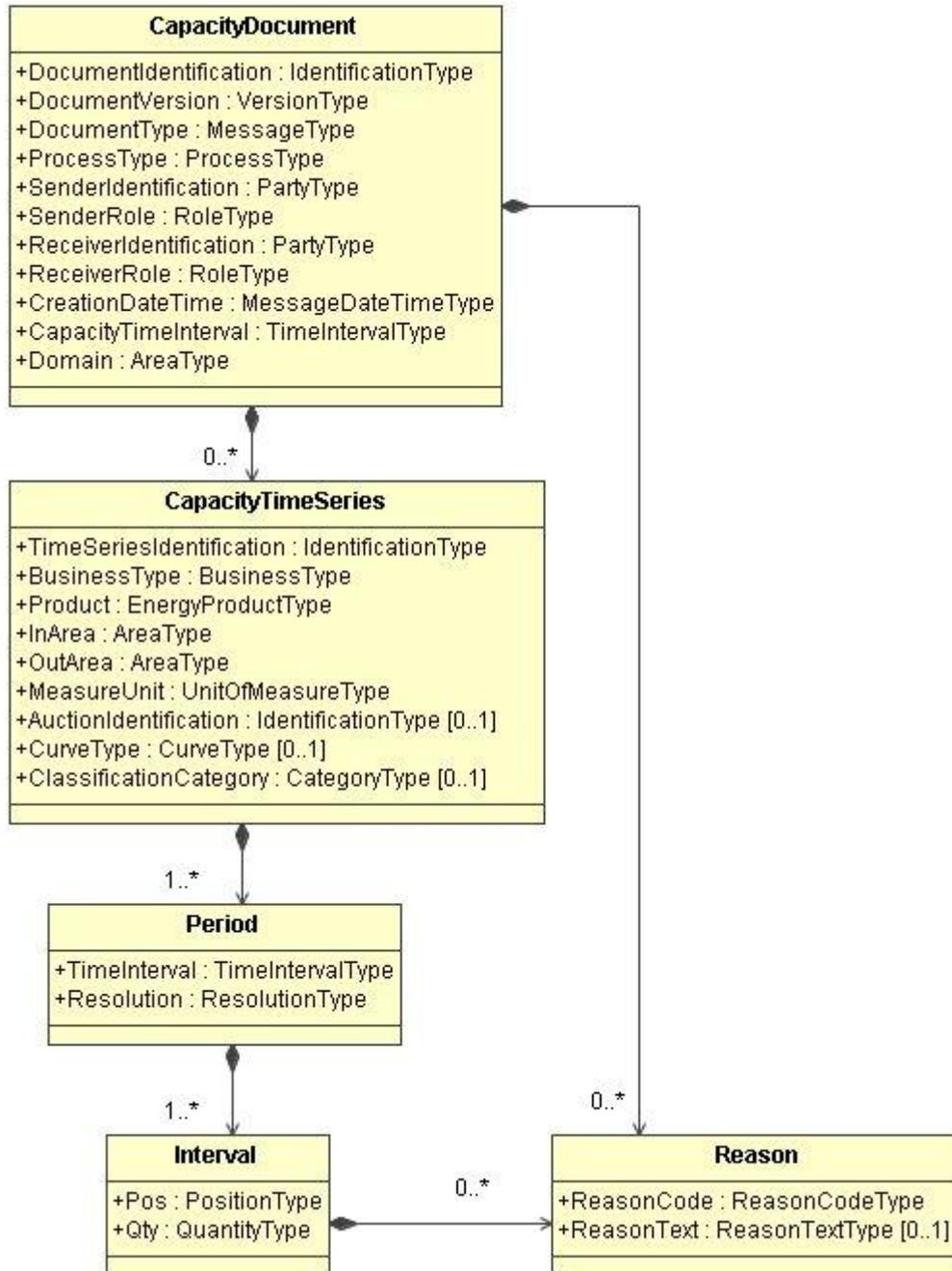
FIGURE 20: ACKNOWLEDGEMENT PROCESS

- 1151 With the transmission of all electronic documents defined in the ECAN process, with the  
1152 exception of those sent to the Capacity Trader or the Interconnection Trade Responsible,  
1153 an application acknowledgement is required. An acknowledgement is not required as the  
1154 documents sent to the Capacity Trader and the Interconnection Trade Responsible are  
1155 considered received and formally correct thus not affecting the overall process.
- 1156 When a document is received it will be verified at the application level to ensure that there  
1157 are no faults in it that could prevent its correct processing.
- 1158 A document that is valid after this verification shall necessitate the generation of an  
1159 ENTSO-E Acknowledgement document accepting in its entirety the document in question.
- 1160 A document that has an error in it shall necessitate the generation of an ENTSO-E  
1161 Acknowledgement document that completely rejects the document in question.
- 1162 This acknowledgment sequence is not described in the following information flows, but it  
1163 shall be considered an integral part of each transmission.
- 1164 **Note:** The Acknowledgement document should be at least from version 5.0. It can be downloaded from the ENTSO-  
1165 E website ([www.entsoe.eu](http://www.entsoe.eu)).

1166 **8 DOCUMENT MODELS**

1167 **8.1 CAPACITY DOCUMENT**

1168 **8.1.1 INFORMATION MODEL**



1169

1170

FIGURE 21: CAPACITY DOCUMENT MODEL

1171 **8.1.2 RULES GOVERNING THE CAPACITY DOCUMENT CLASS**

1172 The following dependency table describes the relationship between the codes of the  
1173 different key attributes:

Document Type	Agreed Capacity (A31) or Proposed capacity (A32)			Interconnection Capacity (A13)		Interconnection capacity (A13)
Process Type	Capacity determination (A15)				Capacity allocation (A07)	
From	SO or CC or TCA			TCA		SO or TCA
To	SO or CC or TCA			SO		SO or TCA
Business Type	Offered capacity (A31)	NTC (A27)	ATC (A26)	AAC (A29)	Released AAC (A41)	General capacity information (A25)
Reason Code	Curtailment (A70)					

1174

1175 Note: the Business Type “General Capacity Information” is a generic type for the  
1176 identification of a time series that provides the total capacity available on a TSO border.

1177 In some cases which depend on market rules it may be possible to use the Reason code  
1178 “Curtailment” with other time series.

1179 **8.1.2.1 DOCUMENT IDENTIFICATION**

ACTION	DESCRIPTION
<b>Definition of element</b>	Unique identification of the document for which the time series data is being supplied.
<b>Description</b>	A Capacity Document for a given set of time series and a given period must have a unique identification assigned by the sender of the document for all transmissions to the receiver. All additions, modifications, or suppressions for the time series and bid period must use the same identification.
<b>Size</b>	The identification of a document may not exceed 35 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None

1180 **8.1.2.2 DOCUMENTVERSION**

ACTION	DESCRIPTION
<b>Definition of element</b>	Version of the document being sent. A document may be sent several times, each transmission being identified by a different version number that starts at 1 and increases sequentially.
<b>Description</b>	The document version is used to identify a given version of a time series set. 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 should ensure that the version number for a document is superior to the previous version number received.
<b>Size</b>	A version number may not exceed 3 numeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1181 **8.1.2.3 DOCUMENTTYPE**

ACTION	DESCRIPTION
<b>Definition of element</b>	The coded type of the document being sent.
<b>Description</b>	The document type identifies the information flow characteristics. The initial code to be used is: A13: Interconnection capacity A31: Agreed capacity A32: Proposed capacity <b>Refer to ENTSO-E Core Component Code list document for valid codes.</b>
<b>Size</b>	The document type value must be exactly 3 alphanumeric characters (no blanks).
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1182 **8.1.2.4 PROCESSTYPE**

ACTION	DESCRIPTION
<b>Definition of element</b>	The nature of the process that the document is directed at.
<b>Description</b>	The process type identifies the process to which the information flow is directed. Codes that may be used in this document: A07: Capacity allocation A15: Capacity determination <b>Refer to ENTSO-E Core Component Code list document for valid codes.</b>
<b>Size</b>	The process type value must be exactly 3 alphanumeric characters (no blanks).
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1183 **8.1.2.5 SENDERIDENTIFICATION – CODINGScheme**

ACTION	DESCRIPTION
<b>Definition of element</b>	Identification of the party that is the owner of the document and is responsible for its content.
<b>Description</b>	The sender 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 and who is responsible for its content. The codification scheme used for the coded identification is indicated by the coding scheme attribute. <b>Refer to ENTSO-E Core Component Code list document for valid coding scheme codes.</b>
<b>Size</b>	The maximum length of a sender’s identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
<b>Applicability</b>	Both the identification and the coding scheme are mandatory.
<b>Dependence requirements</b>	None.

1184 **8.1.2.6 SENDERROLE**

ACTION	DESCRIPTION
<b>Definition of element</b>	Identification of the role that is played by the sender.
<b>Description</b>	The sender role, which identifies the role of the sender within the document. <b>Refer to ENTSO-E Core Component Code list document for valid role codes.</b>
<b>Size</b>	The maximum length of a sender role is 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1185 **8.1.2.7 RECEIVERIDENTIFICATION – CODINGScheme**

ACTION	DESCRIPTION
<b>Definition of element</b>	Identification of the party who is receiving the document.
<b>Description</b>	The receiver of the document is identified by a unique coded identification. The codification scheme used for the coded identification is indicated by the coding scheme attribute. <b>Refer to ENTSO-E Core Component Code list document for valid coding scheme codes.</b>
<b>Size</b>	The maximum length of a receiver's identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
<b>Applicability</b>	Both the identification and the coding scheme are mandatory.
<b>Dependence requirements</b>	None.

1186 **8.1.2.8 RECEIVERROLE**

ACTION	DESCRIPTION
<b>Definition of element</b>	Identification of the role played by the receiver.
<b>Description</b>	The receiver role, which identifies the role of the receiver within the document. <b>Refer to ENTSO-E Core Component Code list document for valid role codes.</b>
<b>Size</b>	The maximum length of a receiver role is 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1187 **8.1.2.9 CREATIONDATETIME**

ACTION	DESCRIPTION
<b>Definition of element</b>	Date and time of the creation of the document.
<b>Description</b>	The date and time that the document was prepared for transmission by the application of the sender.
<b>Size</b>	The date and time must be expressed in UTC as YYYY-MM-DDTHH:MM:SSZ.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1188 **8.1.2.10 CAPACITYTIMEINTERVAL**

ACTION	DESCRIPTION
<b>Definition of element</b>	The beginning and ending date and time of the period covered by the document.
<b>Description</b>	This information provides the start and end date and time of the capacity period. The receiver will discard any time intervals outside the capacity period.
<b>Size</b>	The start and end date and time must be expressed as YYYY-MM-DDTHH:MMZ/YYYY-MM-DDTHH:MMZ.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1189 **8.1.2.11 DOMAIN - CODINGScheme**

ACTION	DESCRIPTION
<b>Definition of element</b>	The domain covered within the Capacity Document.
<b>Description</b>	The identification of the domain that is covered in the Capacity Document. The codification scheme used for the coded identification is indicated by the coding scheme attribute. <b>Refer to ENTSO-E Core Component Code list document for the valid list of codes.</b>
<b>Size</b>	The maximum length of this information is 18 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
<b>Applicability</b>	Both the identification and the coding scheme are mandatory.
<b>Dependence requirements</b>	None.

## 1190 8.1.3 RULES GOVERNING THE CAPACITY TIME SERIES CLASS

### 1191 8.1.3.1 TIMESERIESIDENTIFICATION

ACTION	DESCRIPTION
<b>Definition of element</b>	Sender's identification of the time series instance that uniquely identifies the Capacity time series.
<b>Description</b>	A unique identification of the time series assigned by the sender.
<b>Size</b>	The maximum size of a time series identification is 35 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

### 1192 8.1.3.2 BUSINESSTYPE

ACTION	DESCRIPTION
<b>Definition of element</b>	Identifies the nature of the time series.
<b>Description</b>	<p>The nature of the time series for which the product is handled.</p> <p>Codes that may be used in this document:</p> <ul style="list-style-type: none"> <li>A31: Offered Capacity</li> <li>A25: General capacity information</li> <li>A26: Available Transfer Capacity (ATC)</li> <li>A27: Net Transfer Capacity (NTC)</li> <li>A29: Already Allocated Capacity (AAC)</li> <li>A41: Released AAC</li> </ul> <p><b>Refer to ENTSO-E Core Component Code list document for the valid list of codes.</b></p>
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1193 **8.1.3.3 PRODUCT**

ACTION	DESCRIPTION
<b>Definition of element</b>	Identification of an energy product such as Power, energy, reactive power, transport capacity, etc.
<b>Description</b>	This identifies the product for which the time series is reporting. There is a different time series for each product <b>Refer to ENTSO-E Core Component Code list document for the valid list of codes.</b>
<b>Size</b>	The maximum length of this information is 13 numeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1194 **8.1.3.4 INAREA – CODINGSCHEME**

ACTION	DESCRIPTION
<b>Definition of element</b>	The area where the energy is to be put.
<b>Description</b>	The identification of the area where the energy is destined. The codification scheme used for the coded identification is indicated by the coding scheme attribute. <b>Refer to ENTSO-E Core Component Code list document for valid coding scheme codes.</b>
<b>Size</b>	The maximum length of the area code is 18 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
<b>Applicability</b>	Both the identification and the coding scheme are mandatory.
<b>Dependence requirements</b>	None

1195 **8.1.3.5 OUTAREA – CODINGSCHEME**

ACTION	DESCRIPTION
<b>Definition of element</b>	The area where the energy is coming from.
<b>Description</b>	The identification of the area where the energy is coming from. The codification scheme used for the coded identification is indicated by the coding scheme attribute. <b>Refer to ENTSO-E Core Component Code list document for valid coding scheme codes.</b>
<b>Size</b>	The maximum length of the area code is 18 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
<b>Applicability</b>	Both the identification and the coding scheme are mandatory.
<b>Dependence requirements</b>	None

1196 **8.1.3.6 MEASUREUNIT**

ACTION	DESCRIPTION
<b>Definition of element</b>	The unit of measure that is applied to the quantities in which the time series is expressed.
<b>Description</b>	The unit if measurement used for the quantities expressed within the time series. <b>Refer to ENTSO-E Core Component Code list document for valid codes.</b>
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1197 **8.1.3.7 AUCTIONIDENTIFICATION**

ACTION	DESCRIPTION
<b>Definition of element</b>	The identification of a set of specifications created by the auction operator.
<b>Description</b>	A unique identification of the set of specifications that clearly identify the auction to which the capacity is addressed..
<b>Size</b>	The maximum size of an auction identification is 35 alphanumeric characters.
<b>Applicability</b>	This information is dependent.
<b>Dependence requirements</b>	Local market rules may require this identification.

1198 **8.1.3.8 CURVETYPE**

ACTION	DESCRIPTION
<b>Definition of element</b>	The coded representation of the type of curve being described.
<b>Description</b>	This represents the coded identification of the curve that is described in the Period and Interval class. The following CurveType codes are permitted: A01 = Sequential fixed sized blocks (default). A03 = Variable Block. <i>One or more Periods where only the positions representing a block level change are present within TimeInterval of the Period. The resolution corresponds to the smallest interval where a block level change may occur. A block consists of a consistent volume from the current position through to the Start Date Time of the next block.</i> The curve types are described in the document reference [2].
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters.
<b>Applicability</b>	This information is dependent.
<b>Dependence requirements</b>	The CurveType may be used to provide profile information or reduced time interval content..

1199 **8.1.3.9 CLASSIFICATIONCATEGORY**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	The category under which the capacity is classified.
<b>Description</b>	The classification category identifies the type of capacity that is being communicated in respect to a given time period. The current list of codes identified for use are: A01: Base A02: Peak A03: Offpeak <b>Refer to ENTSO-E Core Component Code list document for valid codes.</b>
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters.
<b>Applicability</b>	This information is dependent
<b>Dependence requirements</b>	A Classification Category is only provided if the capacity values relate to a specific category or time period.

## 1200 8.1.4 RULES GOVERNING THE PERIOD CLASS

1201 There may be several period classes for a time series. The overall time interval covered  
1202 by the period shall be within the complete capacity time interval. The sum of the periods  
1203 shall form the union of the complete capacity time interval.

1204 The number of periods within a time series as characterized by the resolution must  
1205 completely cover the period's time interval.

1206 A senders minimal resolution must respect market rules.

### 1207 8.1.4.1 TIMEINTERVAL

ACTION	DESCRIPTION
<b>Definition of element</b>	The start and end date and time of the time interval of the period in question.
<b>Description</b>	This information provides the start and end date and time of the period being reported.
<b>Size</b>	The start and end date and time must be expressed in compliance with the following format: YYYY-MM-DDTHH:MMZ/YYYY-MM-DDTHH:MMZ.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

### 1208 8.1.4.2 RESOLUTION

ACTION	DESCRIPTION
<b>Definition of element</b>	The resolution defining the number of periods that the time interval is divided.
<b>Description</b>	This information defines the resolution of a single period. The time interval must contain a whole number of periods as expressed by the resolution.
<b>Size</b>	The resolution is expressed in compliance with ISO 8601 in the following format:  PnYnMnDTnHnMnS. Where nY expresses a number of years, nM a number of months, nD a number of days. The letter "T" separates the date expression from the time expression and after it nH identifies a number of hours, nM a number of minutes and nS a number of seconds. For example PT15M expresses a 15 minute resolution.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

## 1209 8.1.5 RULES GOVERNING THE INTERVAL CLASS

1210 The interval class contains the relative position within a time interval period, the  
1211 quantities associated with that position.

1212 The position must begin with 1 and increment by 1 for each subsequent position  
1213 forming a series of contiguous numbers covering the complete range of the period.

1214 Any leading zeros in a position shall be suppressed.

1215 Negative values are not allowed in time series quantities

1216 Leading zeros in a quantity shall be suppressed before transmission.

### 1217 8.1.5.1 Pos

ACTION	DESCRIPTION
<b>Definition of element</b>	The relative position of a period within an interval.
<b>Description</b>	This information provides the relative position of a period within an interval.
<b>Size</b>	The relative position must be expressed as a numeric integer value beginning with 1. All leading zeros must be suppressed. The maximum number of characters is 6.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

### 1218 8.1.5.2 QTY

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

1219 **8.1.6 RULES GOVERNING THE REASON CLASS**

1220 The Reason class may provide any coded or textual information that is necessary to  
1221 completely describe the conditions of the capacity that is defined. In general the Reason  
1222 class is only used to identify a period where a curtailment has been carried out.

1223 **8.1.6.1 REASONCODE**

ACTION	DESCRIPTION
<b>Definition of element</b>	A code providing the status of the capacity. Currently the following status has been identified:  A70: curtailment  A97: Force Majeur curtailment  A98: Network security curtailment
<b>Description</b>	The reason code provides the status of the capacity identified. As many reason elements as necessary may be used.
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters.
<b>Applicability</b>	This information is dependent.
<b>Dependence requirements</b>	This information is at the interval level to provide related explanatory information.

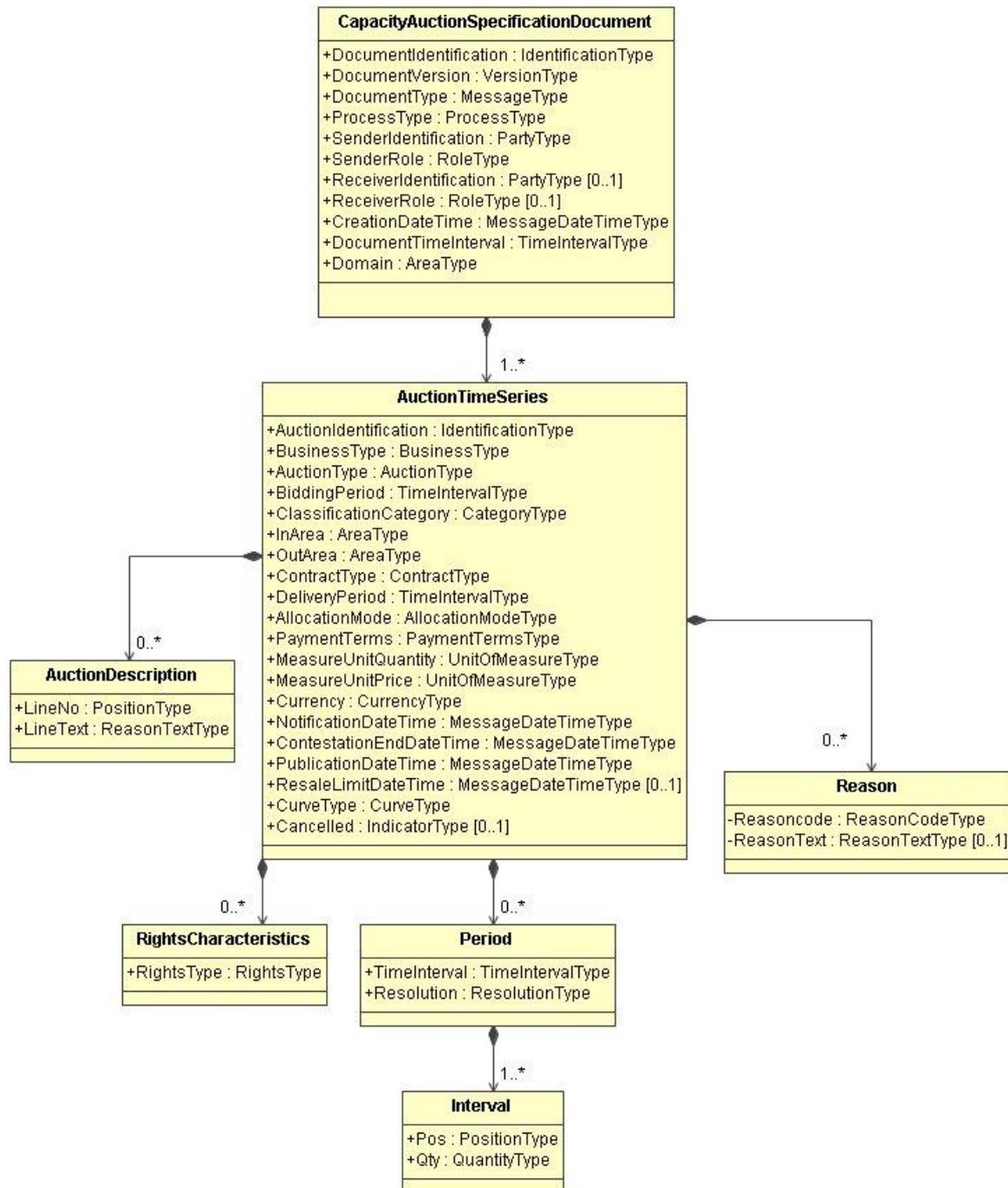
1224 **8.1.6.2 REASONTEXT**

ACTION	DESCRIPTION
<b>Definition of element</b>	Additional textual information providing an additional explanation of the reason code.
<b>Description</b>	If the code does not provide all the information to clearly identify the justification of the allocation then the textual information may be provided.
<b>Size</b>	The maximum length of this information is 512 alphanumeric characters.
<b>Applicability</b>	This information is dependent.
<b>Dependence requirements</b>	Used only if the reason code is insufficient to identify an error.

1225 **8.2 CAPACITY AUCTION SPECIFICATION**

1226 **8.2.1 INFORMATION MODEL**

1227



1228

1229

FIGURE 22: THE AUCTION SPECIFICATION MODEL

1230 **8.2.2 RULES GOVERNING THE CAPACITY AUCTION SPECIFICATION**  
1231 **DOCUMENT IMPLEMENTATION**

1232 **8.2.2.1 INTRODUCTION**

1233 A Capacity Auction Specification Document is issued by the Transmission Capacity  
1234 Allocator to all market parties interested in the reception of such information.

1235 **8.2.2.2 CAPACITY AUCTION SPECIFICATION DOCUMENT CLASS SPECIFICATIONS**

1236 The DocumentTimeInterval shall be equal to the period covered by the complete  
1237 TimeInterval in the dependent Periods of each AuctionTimeSeries.

1238 **8.2.2.2.1 DOCUMENTIDENTIFICATION**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	Unique identification of the Capacity Auction Specification Document.
<b>Description</b>	Each Capacity Auction Specification Document is allocated a unique identification by the sender.
<b>Size</b>	The identification of a Capacity Auction Specification Document may not exceed 35 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1239 **8.2.2.2.2 DOCUMENTVERSION**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	Version of the document being sent. A document may be sent several times, each transmission being identified by a different version number that starts at 1 and increases sequentially.
<b>Description</b>	The document version is used to identify a given version of an Capacity Auction Specification Document and is used in the case of possible erroneous transmissions. 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 should ensure that the version number for a document is superior to the previous version number received.
<b>Size</b>	A version number may not exceed 3 numeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1240 **8.2.2.2.3 DOCUMENTTYPE**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	The coded type of the Capacity Auction Specification Document being sent.
<b>Description</b>	The Capacity Auction Specification Document type identifies the type of the Auction Specification being sent. Initial codes defined for this application are: A51: Capacity Auction Specification document <b>Refer to ENTSO-E Core Component Code list document for valid codes.</b>
<b>Size</b>	The Capacity Auction Specification Document type value may not exceed 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1241 **8.2.2.2.4 PROCESSTYPE**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	The nature of the process that the document is directed at.
<b>Description</b>	The process type identifies the process to which the information flow is directed. Codes that may be used in this document: A07: Capacity allocation <b>Refer to ENTSO-E Core Component Code list document for valid codes.</b>
<b>Size</b>	The Capacity Auction Specification Document type value may not exceed 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1242 **8.2.2.2.5 SENDERIDENTIFICATION – CODINGScheme**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	Identification of the party who is sending the Capacity Auction Specification Document.
<b>Description</b>	The sender of the Capacity Auction Specification Document is identified by a unique coded identification. The codification scheme used for the coded identification is indicated by the coding scheme attribute. <b>Refer to ENTSO-E Core Component Code list document for valid codes.</b>
<b>Size</b>	The maximum length of a sender's identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
<b>Applicability</b>	Both the identification and the coding scheme are mandatory.
<b>Dependence requirements</b>	None.

1243 **8.2.2.2.6 SENDERROLE**

ACTION	DESCRIPTION
<b>Definition of element</b>	Identification of the role that is played by the sender.
<b>Description</b>	The sender role, which identifies the role of the sender within the context of the transaction for which the document is being made. Initial codes defined for this application are: A07: Transmission Capacity Allocator <b>Refer to ENTSO-E Core Component Code list document for valid codes.</b>
<b>Size</b>	The maximum length of a sender role is 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1244 **8.2.2.2.7 RECEIVERIDENTIFICATION – CODINGScheme**

ACTION	DESCRIPTION
<b>Definition of element</b>	Identification of the party who is receiving the Capacity Auction Specification Document.
<b>Description</b>	The receiver of the Capacity Auction Specification Document is identified by a unique coded identification. In the case of general distribution the Receiver Identification shall not be used. The codification scheme used for the coded identification is indicated by the coding scheme attribute. <b>Refer to ENTSO-E Core Component Code list document for valid codes.</b>
<b>Size</b>	The maximum length of a receiver's identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
<b>Applicability</b>	Both the identification and the coding scheme are dependent.
<b>Dependence requirements</b>	Used only in the case where a document is sent to a specific party.

1245 **8.2.2.2.8 RECEIVERROLE**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	Identification of the role played by the receiver.
<b>Description</b>	The receiver role, which identifies the role of the receiver concerning the document. Initial codes defined for this application are: A04: System Operator A29: Capacity Trader A32: Market Information Aggregator <b>Refer to ENTSO-E Core Component Code list document for valid codes.</b>
<b>Size</b>	The maximum length of a receiver role is 3 alphanumeric characters.
<b>Applicability</b>	This information is dependent.
<b>Dependence requirements</b>	Used only if a specific party has been identified.

1246 **8.2.2.2.9 CREATIONDATETIME**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	Date and time of transmission of the Capacity Auction Specification Document.
<b>Description</b>	The date and time that the Capacity Auction Specification Document was prepared for transmission by the application of the sender.
<b>Size</b>	The date and time must be expressed in UTC as YYYY-MM-DDTHH:MM:SSZ.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1247 **8.2.2.2.10 DOCUMENTTIMEINTERVAL**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	The beginning and ending date and time of the period that the capacity auctions are covering.
<b>Description</b>	This information provides the start and end date and time covered by capacity auctions within the Capacity Auction Specification Document.
<b>Size</b>	The start and end date and time must be expressed as YYYY-MM-DDTHH:MMZ/YYYY-MM-DDTHH:MMZ.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1248 **8.2.2.2.11 DOMAIN - CODINGScheme**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	The domain covered within the Capacity Auction Specification Document.
<b>Description</b>	The identification of the domain that is covered in the Capacity Auction Specification Document. The codification scheme used for the coded identification is indicated by the coding scheme attribute. <b>Refer to ENTSO-E Core Component Code list document for the valid list of codes.</b>
<b>Size</b>	The maximum length of this information is 18 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1249 **8.2.2.3 RULES GOVERNING THE AUCTION TIME SERIES CLASS**

1250 **8.2.2.3.1 AUCTIONIDENTIFICATION**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	The identification attributed by the auction office that uniquely identifies the auction.
<b>Description</b>	A unique identification of the auction given by the auction office.
<b>Size</b>	The maximum size of an auction identification is 35 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1251 **8.2.2.3.2 BUSINESSTYPE**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	The identification of the nature of the time series.
<b>Description</b>	The nature of the time series for which the product is handled. The initial codes defined for this application are: A31: Offered capacity
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1252 **8.2.2.3.3 AUCTIONTYPE**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	Identifies the type of auction being defined.
<b>Description</b>	The type of the auction being defined. The initial codes defined for this application are: A01: Implicit – capacity rights and energy A02: Explicit – capacity rights only <b>Refer to ENTSO-E Core Component Code list document for valid Auction Type codes.</b>
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1253 **8.2.2.3.4 BIDDINGPERIOD**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	The beginning and ending date and time of the bidding period within which Capacity Traders can submit a bid to the Transmission Capacity Allocator.
<b>Description</b>	This information provides the start and end date and time of the bidding period of the Auction.
<b>Size</b>	The start and end date and time must be expressed as YYYY-MM-DDTHH:MMZ/YYYY-MM-DDTHH:MMZ.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1254 **8.2.2.3.5 CLASSIFICATIONCATEGORY**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	The category of the product as defined by market rules.
<b>Description</b>	This information provides the basic category of the auction and describes what hours of the day are being auctioned. The following codes have been initially defined: A01: Base A02: Peak A03: Off-peak A04: Hourly <b>Refer to ENTSO-E Core Component Code list document for valid Classification Category codes.</b>
<b>Size</b>	The classification category value must be exactly 3 alphanumeric characters (no blanks).
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1255 **8.2.2.3.6 IN AREA – CODING SCHEME**

ACTION	DESCRIPTION
<b>Definition of element</b>	The area where the energy is to be put.
<b>Description</b>	The identification of the area where the energy is destined. The codification scheme used for the coded identification is indicated by the coding scheme attribute. <b>Refer to ENTSO-E Core Component Code list document for valid coding scheme codes.</b>
<b>Size</b>	The maximum length of the area code is 18 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1256 **8.2.2.3.7 OUT AREA – CODING SCHEME**

ACTION	DESCRIPTION
<b>Definition of element</b>	The area where the energy is coming from.
<b>Description</b>	The identification of the area where the energy is coming from. The codification scheme used for the coded identification is indicated by the coding scheme attribute. <b>Refer to ENTSO-E Core Component Code list document for valid coding scheme codes.</b>
<b>Size</b>	The maximum length of the area code is 18 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1257 **8.2.2.3.8 CONTRACTTYPE**

ACTION	DESCRIPTION
<b>Definition of element</b>	The contract type defines the conditions under which the capacity will be allocated.
<b>Description</b>	This information defines the conditions under which the capacity was allocated and handled. A01 = Daily auction A02 = Weekly auction A03 = Monthly auction A08 = Quarterly auction A04 = Yearly auction A07 = Intraday auction A09 = Semestrial auction A10 = Multiple year auction <b>Refer to ENTSO-E Core Component Code list document for the valid list of codes.</b>
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory
<b>Dependence requirements</b>	None.

1258 **8.2.2.3.9 DELIVERYPERIOD**

ACTION	DESCRIPTION
<b>Definition of element</b>	The beginning and ending date and time of the period when the capacity is to be used.
<b>Description</b>	This information provides the start and end date and time when the capacity is to be used, i.e. the period to which the capacity rights apply.
<b>Size</b>	The start and end date and time must be expressed as YYYY-MM-DDTHH:MMZ/YYYY-MM-DDTHH:MMZ.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1259 **8.2.2.3.10 ALLOCATIONMODE**

ACTION	DESCRIPTION
<b>Definition of element</b>	The mode under which the allocation will be provided.
<b>Description</b>	This information defines how the capacity will be allocated to the bidders. This basically defines how to order the bids in the allocation process. A01 = Order by price with pro rata A02 = Order by price with first come – first served A03 = First come – First served A04 = Pro rata <b>Refer to ENTSO-E Core Component Code list document for the valid list of codes.</b>
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1260 **8.2.2.3.11 PAYMENTTERMS**

ACTION	DESCRIPTION
<b>Definition of element</b>	The terms which dictate the determination of the bid payment price.
<b>Description</b>	This information defines how the capacity price is established. A01 = Pay as bid A02 = Pay as cleared A03 = No payment terms <b>Refer to ENTSO-E Core Component Code list document for the valid list of codes.</b>
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1261 **8.2.2.3.12 MEASUREUNITQUANTITY**

ACTION	DESCRIPTION
<b>Definition of element</b>	The unit of measure in which the quantities in the time series are expressed.
<b>Description</b>	The unit of measurement used for the quantities expressed within the time series. It is recommended that this be always expressed in megawatts (code MAW) <b>Refer to ENTSO-E Core Component Code list document for valid codes.</b>
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.

<b>Dependence requirements</b>	None.
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1262 **8.2.2.3.13 MEASUREUNITPRICE**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	The unit of measure in which the prices in the auction bids are to be expressed.
<b>Description</b>	The unit of measurement that is to be used for the prices per quantity expressed in the bids. It is recommended that this be always expressed in megawatt hours (code MWH) <b>Refer to ENTSO-E Core Component Code list document for valid codes.</b>
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1263 **8.2.2.3.14 CURRENCY**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	The currency in which the monetary amount is expressed.
<b>Description</b>	The currency used for the monetary amount expressed within the time series. <b>Refer to ENTSO-E Core Component Code list document for valid codes.</b>
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters respecting the standard ISO 4217.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1264 **8.2.2.3.15 NOTIFICATIONDATETIME**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	Date and time before the contestation period for notification of the participants
<b>Description</b>	The date and time that the participants will be notified of the results prior to the contestation period. The Notification Date and Time is the date and time where the initial notification is provided to the market.
<b>Size</b>	The date and time must be expressed in UTC as YYYY-MM-DDTHH:MM:SSZ.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1265 **8.2.2.3.16 CONTESTATIONENDDATE**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	Date and time after which contestations of auction results by a Capacity Trader will no longer be accepted.
<b>Description</b>	The period in which contestations may be provided starts with the Notification Date Time and ends with the Contestation End Date Time. If there is no possibility of contestation both dates and times must be the same.
<b>Size</b>	The date and time must be expressed in UTC as YYYY-MM-DDTHH:MM:SSZ.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1266 **8.2.2.3.17 PUBLICATIONDATE**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	Date and time when the publication will occur.
<b>Description</b>	The date and time that the final auction results will be published to the market after the contestation period.
<b>Size</b>	The date and time must be expressed in UTC as YYYY-MM-DDTHH:MM:SSZ.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1267 **8.2.2.3.18 RESALELIMITDATE**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	Date and time defining the limit for the resale of capacity rights from previous auctions for sale in this auction.
<b>Description</b>	The date and time where the resale of capacity rights acquired in previous auctions for this auction will no longer be acceptable.
<b>Size</b>	The date and time must be expressed in UTC as YYYY-MM-DDTHH:MM:SSZ.
<b>Applicability</b>	This information is dependent.
<b>Dependence requirements</b>	The Resale limit date can be provided if local market rules permit a Capacity Trader to target a specific auction to sell previously acquired rights prior to an auction.

1268 **8.2.2.3.19 CURVETYPE**

ACTION	DESCRIPTION
<b>Definition of element</b>	The type of curve being defined in the time series.
<b>Description</b>	The type of curve being defined in the time series. Initial codes defined for this application are: A01 = Sequential fixed sized blocks (default). A03 = Variable sized Blocks <b>Refer to ENTSO-E Core Component Code list document for valid codes.</b> The curve types are described in the document reference [2].
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1269 **8.2.2.3.20 CANCELLED**

ACTION	DESCRIPTION
<b>Definition of element</b>	An indicator that signifies that an auction has been cancelled.
<b>Description</b>	The indication that an auction has been cancelled. The code for the indicator is as follows: A01 =Yes – the auction has been cancelled
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters.
<b>Applicability</b>	This information is dependent.
<b>Dependence requirements</b>	If an auction has been cancelled this attribute shall be specified.

1270 **8.2.2.4 RULES GOVERNING THE PERIOD CLASS**

1271 There may be zero to several period classes for a time series. No time series Period  
1272 classes are required in the case of the cancellation of an auction or if the Offered capacity  
1273 is not known at the time of publication. The overall time interval covered by the period  
1274 classes shall be within the Auction Specification Time Interval. The Intervals within a time  
1275 series as characterized by the Resolution and CurveType must completely cover the  
1276 Period's time interval. The use of gaps (i.e. several disjoint periods) shall follow the  
1277 recommendation as described in document [2] "Time series representations within  
1278 ENTSO-E electronic documents".

1279 **8.2.2.4.1 TIMEINTERVAL**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	The start and end date and time of the time interval of the period in question.
<b>Description</b>	This information provides the start and end date and time of the period being reported.
<b>Size</b>	The start and end date and time must be expressed in compliance with the following format: YYYY-MM-DDTHH:MMZ/YYYY-MM-DDTHH:MMZ.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1280 **8.2.2.4.2 RESOLUTION**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	The resolution defining the number of periods that the time interval is divided.
<b>Description</b>	This information defines the resolution of a single period. The time interval must contain a whole number of periods as expressed by the resolution.
<b>Size</b>	The resolution is expressed in compliance with ISO 8601 in the following format:  PnYnMnDTnHnMnS. Where nY expresses a number of years, nM a number of months, nD a number of days. The letter "T" separates the date expression from the time expression and after it nH identifies a number of hours, nM a number of minutes and nS a number of seconds. For example PT15M expresses a 15 minute resolution.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1281 **8.2.2.5 RULES GOVERNING THE INTERVAL CLASS**

1282 The interval class contains the relative position within a time interval period and the  
1283 quantities associated with that position.

1284 Any leading zeros in a position shall be suppressed.

1285 Negative values are not allowed in time series quantities.

1286 Leading zeros in a quantity shall be suppressed before transmission.

1287 **8.2.2.5.1 Pos**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	The relative position of a period within an interval.
<b>Description</b>	This information provides the relative position of a period within an interval.
<b>Size</b>	The relative position must be expressed as a numeric integer value beginning with 1. All leading zeros must be suppressed. The maximum number of characters is 6.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1288 **8.2.2.5.2 QTY**

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

1289 **8.2.2.6 RULES GOVERNING THE AUCTION DESCRIPTION CLASS**

1290 The Auction Description class provides the textual description of the auction and its  
 1291 market rules to clarify information that is not formally defined (e.g. the time constraints for  
 1292 a peak product).

1293 **8.2.2.6.1 LINENO**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	An attribute defining the number of a line within a textual description.
<b>Description</b>	The Line Number provides the identification each line within the textual description of an auction.
<b>Size</b>	The maximum length of this information is 5 numeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1294 **8.2.2.6.2 LINETEXT**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	The textual content of a line.
<b>Description</b>	This provides the textual content of a line within a description.
<b>Size</b>	The maximum length of this information is 70 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1295 **8.2.2.7 RULES GOVERNING THE RIGHTS CHARACTERISTICS CLASS**

1296 The Rights Characteristics class may provide the coded characteristics of the rights type  
1297 used in the auction

1298 **8.2.2.7.1 RIGHTSTYPE**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	The definition of the type of the rights that are to be auctioned.
<b>Description</b>	The Rights Type provides the type of the rights that are being auctioned. The following codes have currently been identified: A01 = Use it or lose it A02 = Use it or sell it A03 = Allocation curtailment possible A04 = Nomination curtailment possible A05 = Resale possible A06 = Transfer possible <b>Refer to ENTSO-E Core Component Code list document for valid codes.</b>
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1299 **8.2.2.8 RULES GOVERNING THE REASON CLASS**

1300 The Reason class may provide any coded or textual information that is necessary to  
1301 completely describe a change to the auction specification or its eventual cancellation.

1302 **8.2.2.8.1 REASONCODE**

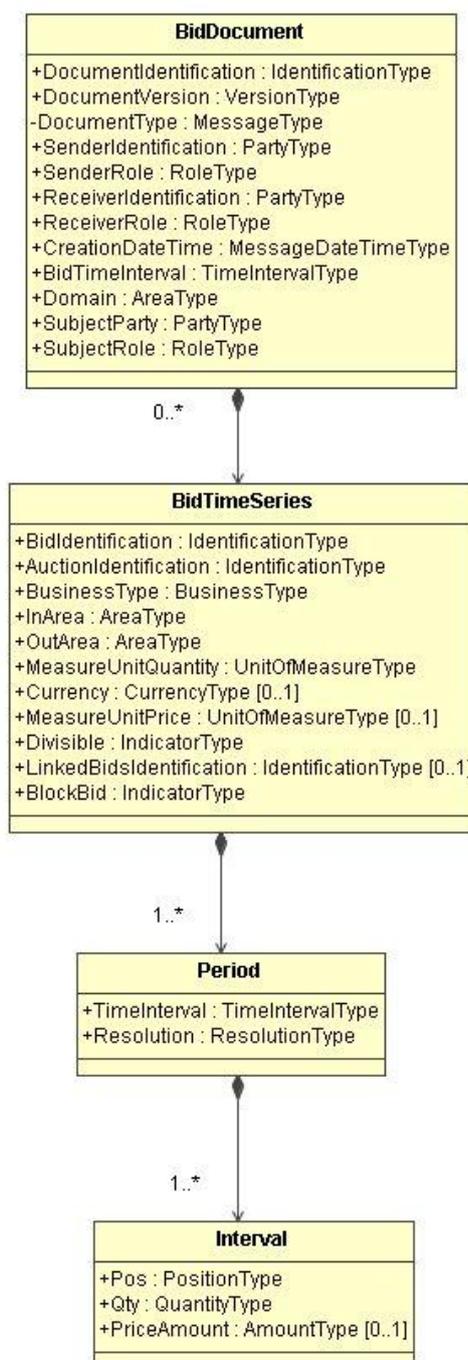
<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	A code providing the information in respect to a change or cancellation of an auction.
<b>Description</b>	The reason code provides the reason for an auction specification change. As many reason elements as necessary may be used. <b>Refer to ENTSO-E Core Components (ECC) specification for valid codes.</b>
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1303 **8.2.2.8.2 REASONTEXT**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	Textual explanation of the reason code.
<b>Description</b>	If the code does not provide all the information to clearly identify the justification of the modification then the textual information may be provided.
<b>Size</b>	The maximum length of this information is 512 alphanumeric characters.
<b>Applicability</b>	This information is dependent.
<b>Dependence requirements</b>	Used only if the reason code is insufficient to identify a modification to the auction specification.

1304 **8.3 BID DOCUMENT**

1305 **8.3.1 INFORMATION MODEL**



1306

1307

**FIGURE 23: BID DOCUMENT MODEL**

1308

Note: Bids for a quantity superior to the Offered Capacity may, depending on market rules, be cut to the quantity of the Offered Capacity.

1309

1310 **8.3.2 RULES GOVERNING THE BID DOCUMENT CLASS**

- 1311 A bid document contains a set of bids (a bid is represented by a time series).
- 1312 There may be several bids submitted by the Sender for the same bid period and subject  
 1313 party (Capacity Trader).
- 1314 To cancel a complete set of bids the bid document is resubmit with a new version number  
 1315 but no time series under it.
- 1316 There can only be one sender for a given subject party.
- 1317 A bid document can only be for only one subject party.
- 1318 A bid document received with the same document identification and document version as  
 1319 an existing bid document shall be rejected.
- 1320 The last version of a bid document with the same document identification shall constitute  
 1321 the last valid bid for the document in question.

1322 **8.3.2.1 DOCUMENT IDENTIFICATION**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	Unique identification of the document for which the time series data is being supplied.
<b>Description</b>	A Bid Document for a given set of time series and a given bid period must have a unique identification assigned by the sender of the document for all transmissions to the receiver. All additions, modifications, or suppressions for the time series and bid period must use the same identification.
<b>Size</b>	The identification of a document may not exceed 35 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None

1323 **8.3.2.2 DOCUMENTVERSION**

ACTION	DESCRIPTION
<b>Definition of element</b>	Version of the document being sent. A document may be sent several times, each transmission being identified by a different version number that starts at 1 and increases sequentially.
<b>Description</b>	The document version is used to identify a given version of a time series set for a given bid period. 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 .
<b>Size</b>	A version number may not exceed 3 numeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1324 **8.3.2.3 DOCUMENTTYPE**

ACTION	DESCRIPTION
<b>Definition of element</b>	The coded type of the document being sent.
<b>Description</b>	The document type identifies the information flow characteristics. The initial code to be used is: A24: Bid Document <b>Refer to ENTSO-E Core Component Code list document for valid codes.</b>
<b>Size</b>	The document type value must be exactly 3 alphanumeric characters (no blanks).
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1325 **8.3.2.4 SENDER IDENTIFICATION – CODING SCHEME**

ACTION	DESCRIPTION
<b>Definition of element</b>	Identification of the party that is the owner of the document and is responsible for its content.
<b>Description</b>	The sender 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 and who is responsible for its content. In general this identifies the bidder or its representative. The codification scheme used for the coded identification is indicated by the coding scheme attribute. <b>Refer to ENTSO-E Core Component Code list document for valid coding scheme codes.</b>
<b>Size</b>	The maximum length of a sender’s identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
<b>Applicability</b>	Both the identification and the coding scheme are mandatory.
<b>Dependence requirements</b>	None.

1326 **8.3.2.5 SENDER ROLE**

ACTION	DESCRIPTION
<b>Definition of element</b>	Identification of the role that is played by the sender.
<b>Description</b>	The sender role, which identifies the role of the sender within the document. This may correspond to a role that sends bids on behalf of another Capacity Trader. <b>Refer to ENTSO-E Core Component Code list document for valid role codes.</b>
<b>Size</b>	The maximum length of a sender role is 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1327 **8.3.2.6 RECEIVERIDENTIFICATION – CODINGScheme**

ACTION	DESCRIPTION
<b>Definition of element</b>	Identification of the party who is receiving the document.
<b>Description</b>	The receiver of the document is identified by a unique coded identification. In general this identifies the auction office or its representative. The codification scheme used for the coded identification is indicated by the coding scheme attribute. <b>Refer to ENTSO-E Core Component Code list document for valid coding scheme codes.</b>
<b>Size</b>	The maximum length of a receiver's identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
<b>Applicability</b>	Both the identification and the coding scheme are mandatory.
<b>Dependence requirements</b>	None.

1328 **8.3.2.7 RECEIVERROLE**

ACTION	DESCRIPTION
<b>Definition of element</b>	Identification of the role played by the receiver.
<b>Description</b>	The receiver role, which identifies the role of the receiver within the document. <b>Refer to ENTSO-E Core Component Code list document for valid role codes.</b>
<b>Size</b>	The maximum length of a receiver role is 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1329 **8.3.2.8 CREATIONDATETIME**

ACTION	DESCRIPTION
<b>Definition of element</b>	Date and time of the creation of the document.
<b>Description</b>	The date and time that the document was prepared for transmission by the application of the sender.
<b>Size</b>	The date and time must be expressed in UTC as YYYY-MM-DDTHH:MM:SSZ.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1330 **8.3.2.9 BidTimeInterval**

ACTION	DESCRIPTION
<b>Definition of element</b>	The beginning and ending date and time of the period covered by the document.
<b>Description</b>	This information provides the start and end date and time of the bid period. The receiver will discard any time intervals outside the bid period.
<b>Size</b>	The start and end date and time must be expressed in UTC as YYYY-MM-DDTHH:MMZ/YYYY-MM-DDTHH:MMZ.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1331 **8.3.2.10 DOMAIN -CODINGSCHEME**

ACTION	DESCRIPTION
<b>Definition of element</b>	The domain covered within the bid Document.
<b>Description</b>	The identification of the domain that is covered in the bid Document. This covers what auction identifications may be used. The codification scheme used for the coded identification is indicated by the coding scheme attribute. <b>Refer to ENTSO-E Core Component Code list document for the valid list of codes.</b>
<b>Size</b>	The maximum length of this information is 18 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
<b>Applicability</b>	Both the identification and the coding scheme are mandatory.
<b>Dependence requirements</b>	None

1332 **8.3.2.11 SUBJECTPARTY – CODINGScheme**

ACTION	DESCRIPTION
<b>Definition of element</b>	The Party for whom the bid is being submitted.
<b>Description</b>	The party that is the Capacity Trader for whom the bids are being submitted. The codification scheme used for the coded identification is indicated by the coding scheme attribute. <b>Refer to ENTSO-E Core Component Code list document for the valid list of codes.</b>
<b>Size</b>	The maximum length of this information is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
<b>Applicability</b>	Both the identification and the coding scheme are mandatory.
<b>Dependence requirements</b>	None

1333 **8.3.2.12 SUBJECTROLE**

ACTION	DESCRIPTION
<b>Definition of element</b>	The Role of the Subject Party.
<b>Description</b>	The Role of the Subject Party. In this current implementation of ECAN the role shall always be A29, Capacity Trader.
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1334 **8.3.3 RULES GOVERNING THE BID TIME SERIES CLASS**

1335 Each time series within a document is considered a bid within this specification. The Bid  
1336 Identification that the bidder assigns is the unique identification of the bid for a given  
1337 Auction Identification (a bid is composed by N discrete Intervals).

1338 Dependency table concerning the bid indicators:

Situations possible	1	2	3	4	Default
Divisible <i>(possible values)</i>	NO	NO	YES	YES	YES
Linked Bids Identification <i>(attribute used or not)</i>	Used	Not used	Not used	Not applicable	Not used
Block Bid <i>(possible values)</i>	YES	YES	NO	Not applicable	NO

1339 **Note:** “not used” signifies that the attribute cannot be used. “Not applicable” signifies  
1340 that the attributes in question to not apply to the dependency case.

1341 For example: a LinkedBidIdentification could only contain an identification where  
1342 Divisible was “NO” and a BlockedBid was “YES”. In all other cases it could not  
1343 contain an identification.

1344 **8.3.3.1 BIDIDENTIFICATION**

ACTION	DESCRIPTION
<b>Definition of element</b>	The identification attributed by the sender that uniquely identifies the bid.  This must be unique for over time and guarantee the non-duplication of bid for the sender in future bids.
<b>Description</b>	A unique identification of the bid assigned by the sender. This corresponds to a single bid.
<b>Size</b>	The maximum size of a bid identification is 35 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1345 **8.3.3.2 AUCTIONIDENTIFICATION**

ACTION	DESCRIPTION
<b>Definition of element</b>	The identification linking the bid to a set of specifications created by the auction operator.
<b>Description</b>	A unique identification of the set of specifications that clearly defines the auction to which the bid is addressed. For example the set of specifications might include such things as the start and end date and time of the auction, the type of product being auctioned, etc.
<b>Size</b>	The maximum size of an auction identification is 35 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1346 **8.3.3.3 BUSINESSTYPE**

ACTION	DESCRIPTION
<b>Definition of element</b>	Identifies the nature of the time series.
<b>Description</b>	The nature of the time series for which the product is handled. <b>Refer to ENTSO-E Core Component Code list document for valid Business Type codes.</b>
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1347 **8.3.3.4 INAREA – CODINGScheme**

ACTION	DESCRIPTION
<b>Definition of element</b>	The area where the energy is to be put.
<b>Description</b>	The identification of the area where the energy is destined. The codification scheme used for the coded identification is indicated by the coding scheme attribute. <b>Refer to ENTSO-E Core Component Code list document for valid coding scheme codes.</b>
<b>Size</b>	The maximum length of the area code is 18 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
<b>Applicability</b>	Both the identification and the coding scheme are mandatory.
<b>Dependence requirements</b>	None.

1348 **8.3.3.5 OUTAREA – CODINGScheme**

ACTION	DESCRIPTION
<b>Definition of element</b>	The area where the energy is coming from.
<b>Description</b>	The identification of the area where the energy is coming from. The codification scheme used for the coded identification is indicated by the coding scheme attribute. <b>Refer to ENTSO-E Core Component Code list document for valid coding scheme codes.</b>
<b>Size</b>	The maximum length of the area code is 18 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
<b>Applicability</b>	Both the identification and the coding scheme are mandatory.
<b>Dependence requirements</b>	None

1349 **8.3.3.6 MEASUREUNITQUANTITY**

ACTION	DESCRIPTION
<b>Definition of element</b>	The unit of measure in which the quantities in the time series are expressed.
<b>Description</b>	The unit of measurement used for the quantities expressed within the time series. It is recommended that this be always expressed in megawatts (code MAW) <b>Refer to ENTSO-E Core Component Code list document for valid codes.</b>
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1350 **8.3.3.7 CURRENCY**

ACTION	DESCRIPTION
<b>Definition of element</b>	The currency in which the monetary amount is expressed.
<b>Description</b>	The currency used for the monetary amount expressed within the time series. <b>Refer to ENTSO-E Core Component Code list document for valid codes.</b>
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters respecting the standard ISO 4217.
<b>Applicability</b>	This information is dependent
<b>Dependence requirements</b>	A currency is required only if there is a Price Amount specified

1351 **8.3.3.8 MEASUREUNITPRICE**

ACTION	DESCRIPTION
<b>Definition of element</b>	The unit of measure in which the price in the time series is expressed (MW, MWh, etc.).
<b>Description</b>	The unit of measurement used for the price expressed within the time series. (MW per unit (code MAW), MWh per unit (code MWH), etc.). <b>Refer to ENTSO-E Core Component Code list document for valid codes.</b>
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters.
<b>Applicability</b>	This information is Dependent
<b>Dependence requirements</b>	A Measure Unit Price is required only if there is a Price Amount specified

1352 **8.3.3.9 DIVISIBLE**

ACTION	DESCRIPTION
<b>Definition of element</b>	An indication whether or not each element of the bid may be partially accepted or not.
<b>Description</b>	The indication of whether or not each element of the bid may be marginal. That is to say that the quantity allocated to each element of the bid may be anything between 0 and the quantity asked. If it is not divisible the quantity may be only 0 or the quantity asked. This is only applicable for last assessed bid. In the case of capacity auctions if the ATC limit is reached divisible means that it may be reduced to the ATC limit and partly accepted. The default value for this attribute is A01 : "Yes"
<b>Size</b>	The indication can be either "Yes" (A01) or "No" (A02)
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None

1353 **8.3.3.10 LINKEDBIDSIDENTIFICATION.**

ACTION	DESCRIPTION
<b>Definition of element</b>	Unique identification associated with all linked bids.
<b>Description</b>	The identification of a set of bids that are linked together signifying that they are either all accepted or are all rejected. This identification is defined by the bidder and must be unique for a given auction
<b>Size</b>	The identification is up to 35 characters
<b>Applicability</b>	This information is dependent and is Present only if bids are linked together.
<b>Dependence requirements</b>	The linked bid identification is only provided if a bid is associated with the current bid. Both bids must be cross linked to be valid.

1354 **8.3.3.11 BLOCKBid**

ACTION	DESCRIPTION
<b>Definition of element</b>	An indication that the values in the period constitute a block bid and that they cannot be changed.
<b>Description</b>	The indication that all the time intervals in the time series are to be considered as a whole and that they cannot be subdivided. The default value for this attribute is A02 : “No”
<b>Size</b>	The indication can be either “Yes” (A01) or “No” (A02)
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None

1355 **8.3.4 RULES GOVERNING THE PERIOD CLASS**

1356 There may be several period classes for a time series. The overall time interval covered by  
1357 the period classes shall be within the bid time interval. The resolution must be constant  
1358 throughout the time series.

1359 If a time series is suppressed then the interval quantities are all zeroed out.

1360 A senders minimal resolution must respect market rules.

1361 **8.3.4.1 TIMEINTERVAL**

ACTION	DESCRIPTION
<b>Definition of element</b>	The start and end date and time of the time interval of the period in question.
<b>Description</b>	This information provides the start and end date and time of the period being reported.
<b>Size</b>	The start and end date and time must be expressed in UTC in compliance with the following format: YYYY-MM-DDTHH:MMZ/YYYY-MM-DDTHH:MMZ.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1362 **8.3.4.2 RESOLUTION**

ACTION	DESCRIPTION
<b>Definition of element</b>	The resolution defining the number of periods that the time interval is divided.
<b>Description</b>	This information defines the resolution of a single period. The time interval must contain a whole number of periods as expressed by the resolution.
<b>Size</b>	The resolution is expressed in compliance with ISO 8601 in the following format:  PnYnMnDTnHnMnS. Where nY expresses a number of years, nM a number of months, nD a number of days. The letter "T" separates the date expression from the time expression and after it nH identifies a number of hours, nM a number of minutes and nS a number of seconds. For example PT15M expresses a 15 minute resolution.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1363 **8.3.5 RULES GOVERNING THE INTERVAL CLASS**

1364 The interval class contains the relative position within a time interval period, the quantities  
1365 associated with that position and eventually the total monetary amount of the unit price  
1366 proposed in the bid.

1367 The position must begin with 1 and increment by 1 for each subsequent position forming a  
1368 series of contiguous numbers covering the complete range of the period.

1369 Any leading zeros in a position shall be suppressed.

1370 Negative values are not allowed in time series quantities

1371 Leading zeros in a quantity shall be suppressed before transmission.

1372 **8.3.5.1 Pos**

ACTION	DESCRIPTION
<b>Definition of element</b>	The relative position of a period within a bid interval.
<b>Description</b>	This information provides the relative position of a period within a bid interval.
<b>Size</b>	The relative position must be expressed as a numeric integer value beginning with 1. All leading zeros must be suppressed. The maximum number of characters is 6.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1373 **8.3.5.2 QTY**

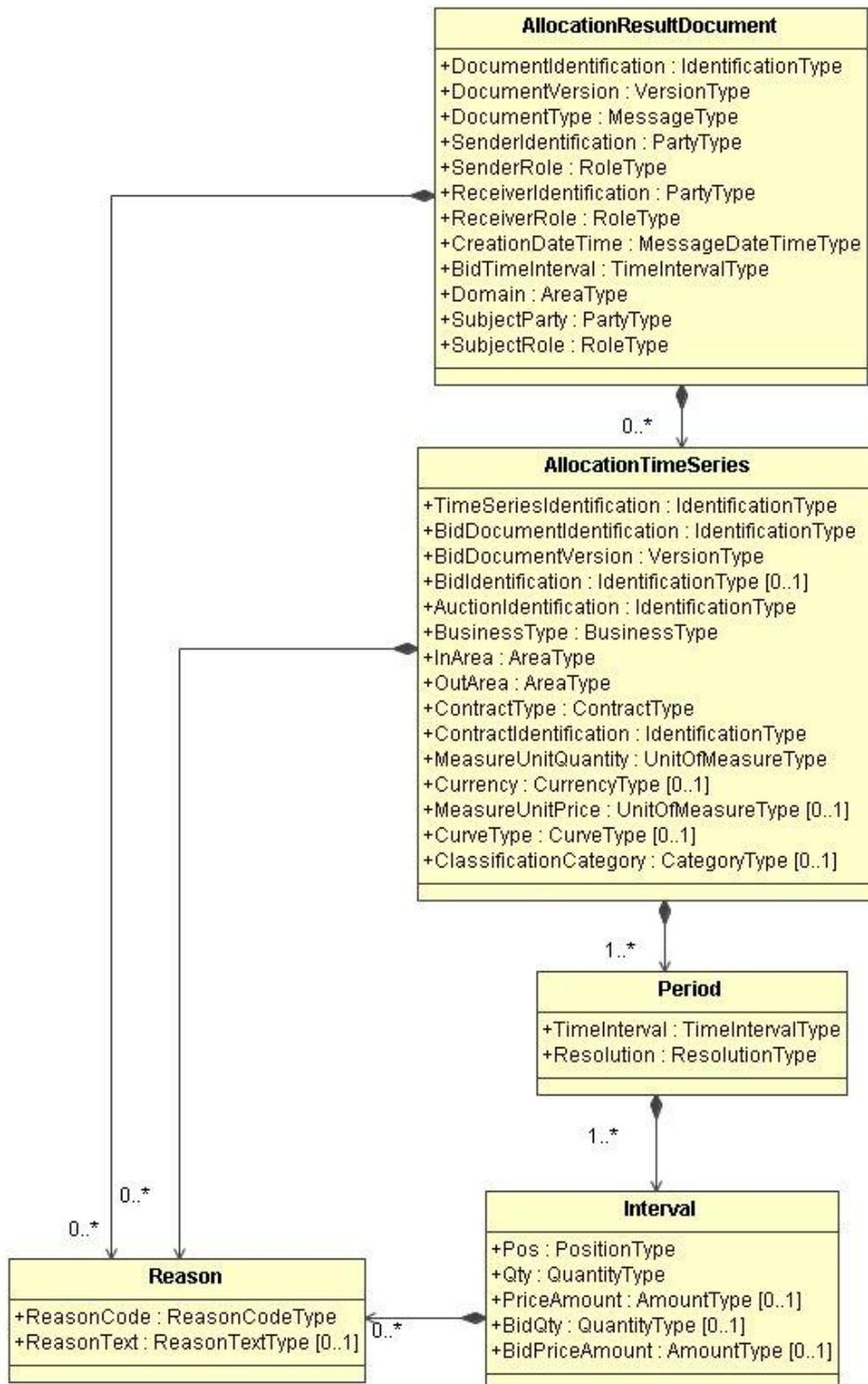
ACTION	DESCRIPTION
<b>Definition of element</b>	The quantity that is bid for the interval in question
<b>Description</b>	This information defines the quantity that is bid for the interval in question and that is expressed in the Measurement Unit Quantity. A decimal point value may be used to express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

1374 **8.3.5.3 PRICEAMOUNT**

ACTION	DESCRIPTION
<b>Definition of element</b>	The price expressed for each unit of quantity.
<b>Description</b>	<p>The unit of price expressed in a unit of Currency per unit of measure (i.e. MeasureUnitPrice) e.g EURO/KWh.</p> <p>This is in compliance with the pricing scheme based on local market rules.</p> <p>The decimal mark that separates the digits forming the integral part of a number from those forming the fractional part (ISO 6093) shall always be a period (“.”).</p>
<b>Size</b>	The maximum length of this information is 17 numeric characters (decimal mark and sign, if used included).
<b>Applicability</b>	This information is dependent.
<b>Dependence requirements</b>	The Price Amount is mandatory in the case of capacity auctions and must not be provided in the case of rule based allocations depending on local market rules.

1375 **8.4 ALLOCATION RESULTS DOCUMENT**

1376 **8.4.1 INFORMATION MODEL**



1377

1378

**FIGURE 24: ALLOCATION RESULT DOCUMENT MODEL**

## 1379 8.4.2 RULES GOVERNING THE ALLOCATION RESULT DOCUMENT CLASS

1380 There is only one contract identification assigned by the Transmission Capacity Allocator  
1381 per auction identification, bid period and subject party.

1382 There is only one allocation result document per sender and subject party for a given  
1383 auction identification and bid time interval.

1384 In the case where the allocation result document contains all bids and resales that have  
1385 been validated for processing in the auction in the latest version of bid and resales  
1386 documents received, this shall include bids and resales that have not been satisfied. In  
1387 this case the quantity and price amount of the bids and resales that have not been  
1388 satisfied shall be equal to zero.

1389 It is also possible for the allocation result document to contain only the bids that have  
1390 been allocated capacity transmission rights and resales that have sold capacity  
1391 transmission rights.

1392 A third possibility exists where only the aggregation of the bids that have capacity  
1393 transmission rights and the aggregation of transmission rights that have been sold are  
1394 provided. In this case the bid identification shall not be specified.

1395 Only one of these possibilities is permitted in a given allocation result document.

1396 The bid result may mirror the original bid itself in which case the CurveType shall not be  
1397 used, or a profile may be provided as a result in which the CurveType shall be used.

1398 The choice of whether or not to mirror the original bids must be consistent within the  
1399 whole Result Document.

### 1400 8.4.2.1 DOCUMENT IDENTIFICATION

ACTION	DESCRIPTION
<b>Definition of element</b>	Unique identification of the document for which the time series data is being supplied.
<b>Description</b>	An allocation result Document for a given set of time series and a given bid period must have a unique identification assigned by the sender of the document for all transmissions to the receiver. All additions, modifications, or suppressions for the time series and bid period must use the same identification.
<b>Size</b>	The identification of a document may not exceed 35 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None

1401 **8.4.2.2 DOCUMENTVERSION**

ACTION	DESCRIPTION
<b>Definition of element</b>	Version of the document being sent. A document may be sent several times, each transmission being identified by a different version number that starts at 1 and increases sequentially.
<b>Description</b>	The document version is used to identify a given version of a time series set for a given bid period. 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 should ensure that the version number for a document is superior to the previous version number received.
<b>Size</b>	A version number may not exceed 3 numeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1402 **8.4.2.3 DOCUMENTTYPE**

ACTION	DESCRIPTION
<b>Definition of element</b>	The coded type of the document being sent.
<b>Description</b>	The document type identifies the information flow characteristics. The initial code to be used is: A25: Allocation result Document <b>Refer to ENTSO-E Core Component Code list document for valid codes.</b>
<b>Size</b>	The document type value must be exactly 3 alphanumeric characters (no blanks).
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1403 **8.4.2.4 SENDERIDENTIFICATION – CODINGScheme**

ACTION	DESCRIPTION
<b>Definition of element</b>	Identification of the party that is the owner of the document and is responsible for its content.
<b>Description</b>	The sender 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 and who is responsible for its content. In general it is the Auction office or its representative. The codification scheme used for the coded identification is indicated by the coding scheme attribute. <b>Refer to ENTSO-E Core Component Code list document for valid coding scheme codes.</b>
<b>Size</b>	The maximum length of a sender’s identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
<b>Applicability</b>	Both the identification and the coding scheme are mandatory.
<b>Dependence requirements</b>	None.

1404 **8.4.2.5 SENDERROLE**

ACTION	DESCRIPTION
<b>Definition of element</b>	Identification of the role that is played by the sender.
<b>Description</b>	The sender role, which identifies the role of the sender within the document. A07 = Transmission Capacity Allocator
<b>Size</b>	The maximum length of a sender role is 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1405 **8.4.2.6 RECEIVERIDENTIFICATION – CODINGScheme**

ACTION	DESCRIPTION
<b>Definition of element</b>	Identification of the party who is receiving the document.
<b>Description</b>	The receiver of the document is identified by a unique coded identification. In general this corresponds to the bidder of its representative. The codification scheme used for the coded identification is indicated by the coding scheme attribute. <b>Refer to ENTSO-E Core Component Code list document for valid coding scheme codes.</b>
<b>Size</b>	The maximum length of a receiver's identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
<b>Applicability</b>	Both the identification and the coding scheme are mandatory.
<b>Dependence requirements</b>	None.

1406 **8.4.2.7 RECEIVERROLE**

ACTION	DESCRIPTION
<b>Definition of element</b>	Identification of the role played by the receiver.
<b>Description</b>	The receiver role, which identifies the role of the receiver within the document. <b>Refer to ENTSO-E Core Component Code list document for valid role codes.</b>
<b>Size</b>	The maximum length of a receiver role is 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1407 **8.4.2.8 CREATIONDATETIME**

ACTION	DESCRIPTION
<b>Definition of element</b>	Date and time of the creation of the document.
<b>Description</b>	The date and time that the document was prepared for transmission by the application of the sender.
<b>Size</b>	The date and time must be expressed in UTC as YYYY-MM-DDTHH:MM:SSZ.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1408 **8.4.2.9 BidTimeInterval**

ACTION	DESCRIPTION
<b>Definition of element</b>	The beginning and ending date and time of the period covered by the document.
<b>Description</b>	This information provides the start and end date and time of the bid period. The receiver will discard any time intervals outside the bid period.
<b>Size</b>	The start and end date and time must be expressed in UTC as YYYY-MM-DDTHH:MMZ/YYYY-MM-DDTHH:MMZ.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1409 **8.4.2.10 DOMAIN - CODINGSCHEME**

ACTION	DESCRIPTION
<b>Definition of element</b>	The domain covered within the document.
<b>Description</b>	The identification of the domain that is covered in the document. This covers what auction identifications may be used. The codification scheme used for the coded identification is indicated by the coding scheme attribute. <b>Refer to ENTSO-E Core Component Code list document for the valid list of codes.</b>
<b>Size</b>	The maximum length of this information is 18 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
<b>Applicability</b>	Both the identification and the coding scheme are mandatory.
<b>Dependence requirements</b>	None

1410 **8.4.2.11 SUBJECTPARTY – CODINGScheme**

ACTION	DESCRIPTION
<b>Definition of element</b>	The Party for whom the bid is allocated.
<b>Description</b>	The party that is the subject of the documents time series. This could identify a Balance Group or a Balance Responsible Party. The codification scheme used for the coded identification is indicated by the coding scheme attribute <b>Refer to ENTSO-E Core Component Code list document for the valid list of codes.</b>
<b>Size</b>	The maximum length of this information is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
<b>Applicability</b>	Both the identification and the coding scheme are mandatory.
<b>Dependence requirements</b>	None

1411 **8.4.2.12 SUBJECTROLE**

ACTION	DESCRIPTION
<b>Definition of element</b>	The Role of the Subject Party.
<b>Description</b>	The Role of the Subject Party. <b>Refer to ENTSO-E Core Component Code list document for the valid list of codes.</b>
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

## 1412 8.4.3 RULES GOVERNING THE ALLOCATION TIME SERIES CLASS

### 1413 8.4.3.1 TIMESERIESIDENTIFICATION

ACTION	DESCRIPTION
<b>Definition of element</b>	The identification of the time series instance.  This must be a unique number that is assigned by the auction office for each time series in the document
<b>Description</b>	An identification that uniquely identified the time series.
<b>Size</b>	The maximum size of a time series identification is 35 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

### 1414 8.4.3.2 BIDDOCUMENTIDENTIFICATION

ACTION	DESCRIPTION
<b>Definition of element</b>	The identification of the document for which the bids or resales referenced are contained.
<b>Description</b>	Each bid allocated is contained in the bid document sent by the user.
<b>Size</b>	The identification of a document may not exceed 35 alphanumeric characters.
<b>Applicability</b>	This information is Mandatory.
<b>Dependence requirements</b>	None

### 1415 8.4.3.3 BIDDOCUMENTVERSION

ACTION	DESCRIPTION
<b>Definition of element</b>	Version of the bid or resales document having been sent.
<b>Description</b>	The document version identified for the bid document
<b>Size</b>	A version number may not exceed 3 numeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1416 **8.4.3.4 BIDIDENTIFICATION**

ACTION	DESCRIPTION
<b>Definition of element</b>	The identification of the time series that was used in the original bid or resale.  This is the unique number that is assigned by the bidder when he made his original bid or resale.
<b>Description</b>	An identification that uniquely identified the bid or resale.
<b>Size</b>	The maximum size of a bid identification is 35 alphanumeric characters.
<b>Applicability</b>	This information is dependent.
<b>Dependence requirements</b>	The information is required for primary auction results.

1417 **8.4.3.5 AUCTIONIDENTIFICATION**

ACTION	DESCRIPTION
<b>Definition of element</b>	The identification linking the allocation to a set of specifications created by the auction operator.
<b>Description</b>	A unique identification of the set of specifications that clearly identify the auction to which the bid is addressed.
<b>Size</b>	The maximum size of an auction identification is 35 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1418 **8.4.3.6 BUSINESSTYPE**

ACTION	DESCRIPTION
<b>Definition of element</b>	Identifies the nature of the time series.
<b>Description</b>	The nature of the time series in the original bid. For resale information the Business Type A57, Resale pricing, shall be used. <b>Refer to ENTSO-E Core Component Code list document for valid business Type codes.</b>
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1419 **8.4.3.7 INAREA – CODINGScheme**

ACTION	DESCRIPTION
<b>Definition of element</b>	The area where the energy is to be put.
<b>Description</b>	The identification of the area where the energy is going. The codification scheme used for the coded identification is indicated by the coding scheme attribute. <b>Refer to ENTSO-E Core Component Code list document for valid coding scheme codes.</b>
<b>Size</b>	The maximum length of the area code is 18 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
<b>Applicability</b>	Both the identification and the coding scheme are mandatory.
<b>Dependence requirements</b>	None

1420 **8.4.3.8 OUTAREA – CODINGScheme**

ACTION	DESCRIPTION
<b>Definition of element</b>	The area where the energy is coming from.
<b>Description</b>	The identification of the area where the energy originates. The codification scheme used for the coded identification is indicated by the coding scheme attribute. <b>Refer to ENTSO-E Core Component Code list document for valid coding scheme codes.</b>
<b>Size</b>	The maximum length of the area code is 18 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
<b>Applicability</b>	Both the identification and the coding scheme are mandatory.
<b>Dependence requirements</b>	None

1421 **8.4.3.9 CONTRACTTYPE**

ACTION	DESCRIPTION
<b>Definition of element</b>	<p>The contract type defines the conditions under which the capacity was allocated and handled.</p> <p>e.g.: daily auction, weekly auction, monthly auction, yearly auction, Long term contract, etc.</p> <p>The significance of this type is dependent on the in area and out area specific coded working methods.</p> <p>The Transmission Capacity Allocator responsible for the area in question auctions defines the contract type to be used.</p>
<b>Description</b>	<p>This information defines the conditions under which the capacity was allocated and handled.</p> <p><b>Refer to ENTSO-E Core Component Code list document for the valid list of codes.</b></p>
<b>Size</b>	<p>The maximum length of this information is 3 alphanumeric characters.</p>
<b>Applicability</b>	<p>This information is mandatory</p>
<b>Dependence requirements</b>	<p>None.</p>

1422 **8.4.3.10 CONTRACTIDENTIFICATION**

ACTION	DESCRIPTION
<b>Definition of element</b>	<p>The contract identification of the time series instance.</p> <p>This must be a unique number that is assigned by the auction office and shall be used for all references to the allocation.</p>
<b>Description</b>	<p>An identification that uniquely identified the allocation.</p>
<b>Size</b>	<p>The maximum size of a contract identification is 35 alphanumeric characters.</p>
<b>Applicability</b>	<p>This information is mandatory.</p>
<b>Dependence requirements</b>	<p>None.</p>

1423 **8.4.3.11 MEASUREUNITQUANTITY**

ACTION	DESCRIPTION
<b>Definition of element</b>	The unit of measure that is applied to the quantities in which the time series is expressed.
<b>Description</b>	The unit if measurement used for the quantities expressed within the time series. <b>Refer to ENTSO-E Core Component Code list document for valid codes.</b>
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1424 **8.4.3.12 CURRENCY**

ACTION	DESCRIPTION
<b>Definition of element</b>	The currency in which the monetary amount is expressed.
<b>Description</b>	The currency used for the monetary amount expressed within the time series. <b>Refer to ENTSO-E Core Component Code list document for valid codes.</b>
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters respecting the standard ISO 4217.
<b>Applicability</b>	This information is dependent
<b>Dependence requirements</b>	A currency is required only if there is a Price Amount specified

1425 **8.4.3.13 MEASUREUNITPRICE**

ACTION	DESCRIPTION
<b>Definition of element</b>	The unit of measure in which the price in the time series is expressed.
<b>Description</b>	The unit if measurement used for the price expressed within the time series. (MW per unit, MWh per unit, etc.). <b>Refer to ENTSO-E Core Component Code list document for valid codes.</b>
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters.
<b>Applicability</b>	This information is dependent
<b>Dependence requirements</b>	A Measure Unit Price is required only if there is a Price Amount specified

1426 **8.4.3.14 CURVETYPE**

ACTION	DESCRIPTION
<b>Definition of element</b>	The coded representation of the type of curve being described.
<b>Description</b>	<p>This represents the coded identification of the curve that is described in the Period and Interval class.</p> <p>The following CurveType codes are permitted:  A01 = Sequential fixed sized blocks (default).  A03 = Variable Block. <i>One or more Periods where only the positions representing a block level change are present within TimeInterval of the Period. The resolution corresponds to the smallest interval where a block level change may occur. A block consists of a consistent volume from the current position through to the Start Date Time of the next block.</i></p> <p>The curve types are described in the document reference [2].</p>
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters.
<b>Applicability</b>	This information is dependent.
<b>Dependence requirements</b>	The CurveType may be used to provide profile information or reduced time interval content..

1427 **8.4.3.15 CLASSIFICATIONCATEGORY**

ACTION	DESCRIPTION
<b>Definition of element</b>	The category of the product as defined by market rules.
<b>Description</b>	<p>This information provides the basic category of the auction and describes what hours of the day are being auctioned.</p> <p>The following codes have been initially defined:  A01: Base  A02: Peak  A03: Off-peak  A04: Hourly</p> <p><b>Refer to ENTSO-E Core Component Code list document for valid Classification Category codes.</b></p>
<b>Size</b>	The classification category value must be exactly 3 alphanumeric characters (no blanks).
<b>Applicability</b>	This information is dependent.
<b>Dependence requirements</b>	The use of this depends on local market rules.

1428 **8.4.4 RULES GOVERNING THE PERIOD CLASS**

1429 There may be several period classes for a time series. The overall time interval covered by  
1430 the period shall be within the complete bid time interval.

1431 The number of periods within a time series as characterized by the resolution must  
1432 completely cover the period's time interval.

1433 If a time series is suppressed then the interval quantities are all zeroed out.

1434 A senders minimal resolution must respect market rules.

1435 **8.4.4.1 TIMEINTERVAL**

ACTION	DESCRIPTION
<b>Definition of element</b>	The start and end date and time of the time interval of the period in question.
<b>Description</b>	This information provides the start and end date and time of the period being reported.
<b>Size</b>	The start and end date and time must be expressed in UTC in compliance with the following format: YYYY-MM-DDTHH:MMZ/YYYY-MM-DDTHH:MMZ.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1436 **8.4.4.2 RESOLUTION**

ACTION	DESCRIPTION
<b>Definition of element</b>	The resolution defining the number of periods that the time interval is divided.
<b>Description</b>	This information defines the resolution of a single period. The time interval must contain a whole number of periods as expressed by the resolution.
<b>Size</b>	The resolution is expressed in compliance with ISO 8601 in the following format:  PnYnMnDTnHnMnS. Where nY expresses a number of years, nM a number of months, nD a number of days. The letter "T" separates the date expression from the time expression and after it nH identifies a number of hours, nM a number of minutes and nS a number of seconds. For example PT15M expresses a 15 minute resolution.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

## 1437 8.4.5 RULES GOVERNING THE INTERVAL CLASS

1438 The interval class contains the relative position within a time interval period, the quantities  
1439 allocated associated with that position and the unit price that corresponds to the quantity  
1440 allocated.

1441 The position must begin with 1 and increment by 1 for each subsequent position forming a  
1442 series of contiguous numbers covering the complete range of the period.

1443 Any leading zeros in a position shall be suppressed.

1444 Negative values are not allowed in time series quantities

1445 Leading zeros in a quantity shall be suppressed before transmission.

### 1446 8.4.5.1 Pos

ACTION	DESCRIPTION
<b>Definition of element</b>	The relative position of a period within a bid interval.
<b>Description</b>	This information provides the relative position of a period within a bid interval.
<b>Size</b>	The relative position must be expressed as a numeric integer value beginning with 1. All leading zeros must be suppressed. The maximum number of characters is 6.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

### 1447 8.4.5.2 QTY

ACTION	DESCRIPTION
<b>Definition of element</b>	The quantity that has been allocated or resold in the auction
<b>Description</b>	This information defines the quantity that has been allocated for the interval in question and that is expressed in the Measurement Unit Quantity. A decimal point value may be used to express values that are inferior to the defined unit of measurement. The decimal mark that separates the digits forming the integral part of a number from those forming the fractional part. (ISO 6093) shall always be a period (“.”). All quantities are non-signed values.
<b>Size</b>	The maximum length of this information is 17 numeric characters (decimal mark included). The number of decimal places identifying the fractional part of the quantity depends on local market rules.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1448 **8.4.5.3 PRICEAMOUNT**

ACTION	DESCRIPTION
<b>Definition of element</b>	The price expressed for each unit of quantity allocated.
<b>Description</b>	This information defines the price expressed in the unit of measurement of Price per unit of quantity allocated in compliance with the pricing scheme based on local market rules. The decimal mark that separates the digits forming the integral part of a number from those forming the fractional part (ISO 6093) shall always be a period (“.”).
<b>Size</b>	The maximum length of this information is 17 numeric characters (decimal mark and sign, if used included).
<b>Applicability</b>	This information is dependent
<b>Dependence requirements</b>	The Price Amount is mandatory in the case of capacity auctions and must not be provided in the case of rule based allocations depending on local market rules.

1449 **8.4.5.4 BIDQTY**

ACTION	DESCRIPTION
<b>Definition of element</b>	The quantity that was in the original bid or resale document
<b>Description</b>	This information defines the quantity that was requested for the interval in question and that is expressed in the Measurement Unit Quantity. A decimal point value may be used to express values that are inferior to the defined unit of measurement. The decimal mark that separates the digits forming the integral part of a number from those forming the fractional part. (ISO 6093) shall always be a period (“.”). All quantities are non-signed values.
<b>Size</b>	The maximum length of this information is 17 numeric characters (decimal mark included). The number of decimal places identifying the fractional part of the quantity depends on local market rules.
<b>Applicability</b>	This information is dependent.
<b>Dependence requirements</b>	Local market rules determine if the information is to be provided for information

1450 **8.4.5.5 BidPRICEAMOUNT**

ACTION	DESCRIPTION
<b>Definition of element</b>	The original price expressed in the original bid or resale for each unit of quantity requested.
<b>Description</b>	This information reproduces the price expressed in the unit of measurement of Price per unit of quantity requested in the original bid. The decimal mark that separates the digits forming the integral part of a number from those forming the fractional part (ISO 6093) shall always be a period (“.”).
<b>Size</b>	The maximum length of this information is 17 numeric characters (decimal mark and sign, if used included).
<b>Applicability</b>	This information is dependent.
<b>Dependence requirements</b>	Local market rules determine if the information is to be provided for information

1451 **8.4.6 RULES GOVERNING THE REASON CLASS**

1452 The Reason class may provide any coded or textual information that is necessary to  
1453 completely describe the conditions of the allocation.

1454 This class may be used to provide specific local market information, such as the status of  
1455 the auction information, as well as diagnostics in relation to the bid.

1456 **8.4.6.1 REASONCODE**

ACTION	DESCRIPTION
<b>Definition of element</b>	A code providing the status of the allocation. Currently the following status’s have been identified: A71: Linked bid rejected due to associated bid unsuccessful A72: Original bid divided to permit acceptance A73: Bid accepted A74: Auction Status
<b>Description</b>	The reason code provides the status of the allocation. As many reason elements as necessary may be used.
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters.
<b>Applicability</b>	This information is dependent.
<b>Dependence requirements</b>	This information is at the time series level to provide related explanatory information.

1457 **8.4.6.2 REASONTEXT**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	Textual explanation of the reason code.
<b>Description</b>	If the code does not provide all the information to clearly identify the justification of the allocation then the textual information may be provided.
<b>Size</b>	The maximum length of this information is 512 alphanumeric characters.
<b>Applicability</b>	This information is dependent.
<b>Dependence requirements</b>	Used only if the reason code is insufficient to identify an error.

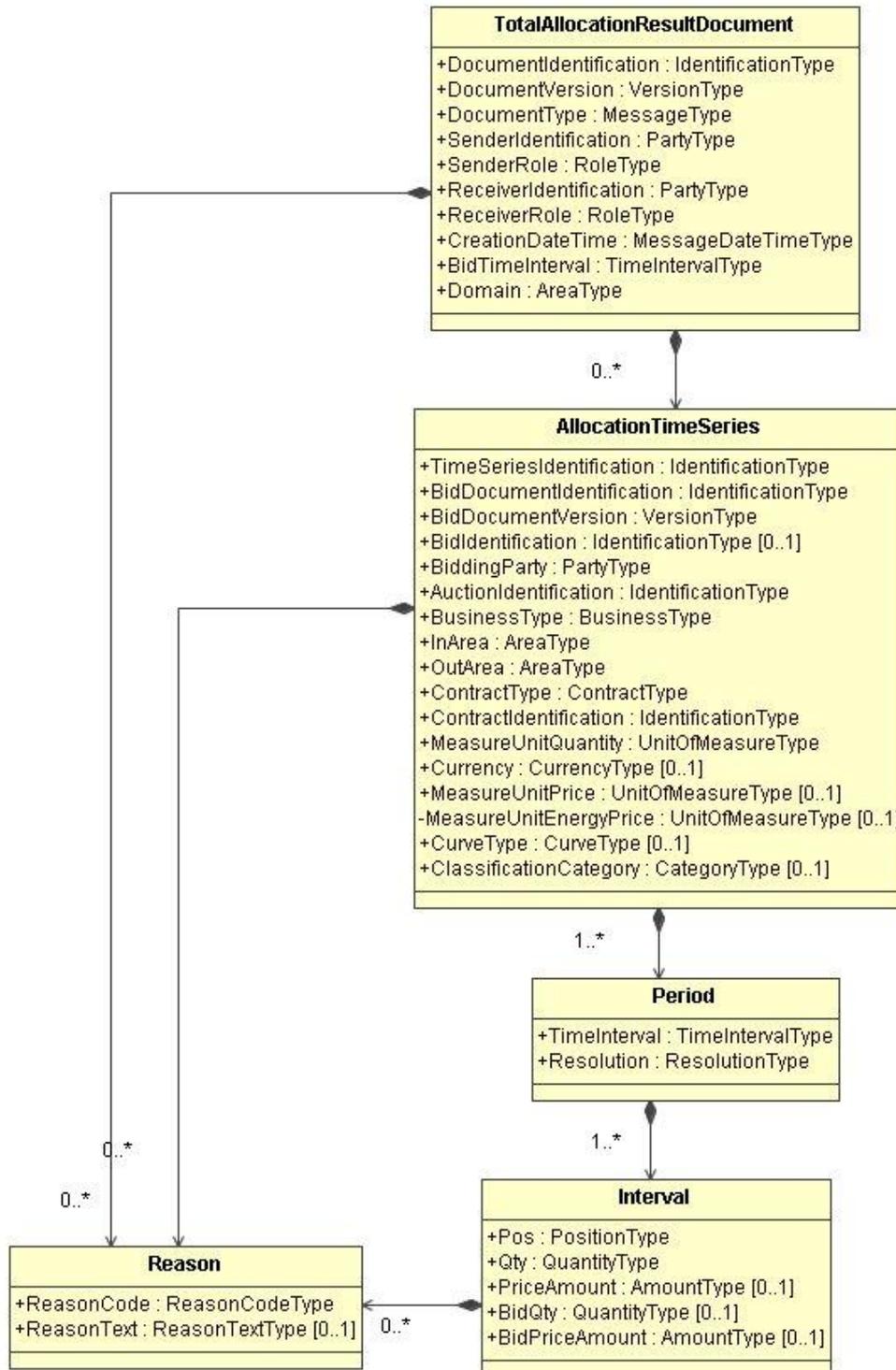
## 1458 **8.5 TOTAL ALLOCATION RESULT DOCUMENT**

### 1459 **8.5.1 OBJECTIVE**

1460 The objective of the Total Allocation Result Document is to make it possible for the  
1461 transmission of all the allocation results from an auction or other source of allocation for all  
1462 the involved parties in a single document.

1463 **8.5.1.1 TOTAL ALLOCATION RESULT DOCUMENT INFORMATION REQUIREMENTS**

1464 **8.5.1.1.1 INFORMATION MODEL**



1465

1466

**FIGURE 25: TOTAL ALLOCATION RESULT DOCUMENT MODEL**

1467 **8.5.1.2 RULES GOVERNING THE TOTAL ALLOCATION RESULT DOCUMENT CLASS**

1468 There is only one contract identification assigned by the Transmission Capacity Allocator  
1469 per auction identification, bid period and Bidding Party.

1470 In the case where the Total Allocation Result Document contains all bids and resales that  
1471 have been validated for processing in the auction in the latest version of bid and resales  
1472 documents received, this shall include bids and resales that have not been satisfied. In  
1473 this case the quantity and price amount shall be equal to zero.

1474 It is also possible for the Total Allocation Result Document to contain only the bids that  
1475 have been allocated capacity transmission rights and resales that have sold capacity  
1476 transmission rights.

1477 A third possibility exists where only the aggregation of the bids that have capacity  
1478 transmission rights and the aggregation of transmission rights that have been sold are  
1479 provided. In this case the bid identification shall not be specified.

1480 Only one of these possibilities is permitted in a given Total Allocation Result Document.

1481 The bid result may mirror the original bid itself in which case the CurveType shall not be  
1482 used, or a profile may be provided as a result in which the CurveType shall be used.

1483 The choice of whether or not to mirror the original bids must be consistent within the  
1484 whole Result Document.

1485 **8.5.1.2.1 DOCUMENTIDENTIFICATION**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	Unique identification of the document for which the time series data is being supplied.
<b>Description</b>	A Total Allocation Result Document for a given set of time series and a given bid period must have a unique identification assigned by the sender of the document for all transmissions to the receiver. All additions, modifications, or suppressions for the time series and bid period must use the same identification.
<b>Size</b>	The identification of a document may not exceed 35 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None

1486 **8.5.1.3 DOCUMENTVERSION**

ACTION	DESCRIPTION
<b>Definition of element</b>	Version of the document being sent. A document may be sent several times, each transmission being identified by a different version number that starts at 1 and increases sequentially.
<b>Description</b>	The document version is used to identify a given version of a time series set for a given bid period. 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 should ensure that the version number for a document is superior to the previous version number received.
<b>Size</b>	A version number may not exceed 3 numeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1487 **8.5.1.4 DOCUMENTTYPE**

ACTION	DESCRIPTION
<b>Definition of element</b>	The coded type of the document being sent.
<b>Description</b>	The document type identifies the information flow characteristics. The initial code to be used is: A25: Allocation result Document <b>Refer to ENTSO-E Core Component Code list document for valid codes.</b>
<b>Size</b>	The document type value must be exactly 3 alphanumeric characters (no blanks).
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1488 **8.5.1.5 SENDERIDENTIFICATION – CODINGScheme**

ACTION	DESCRIPTION
<b>Definition of element</b>	Identification of the party that is the owner of the document and is responsible for its content.
<b>Description</b>	The sender 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 and who is responsible for its content. In general it is the Auction office or its representative. The codification scheme used for the coded identification is indicated by the coding scheme attribute. <b>Refer to ENTSO-E Core Component Code list document for valid coding scheme codes.</b>
<b>Size</b>	The maximum length of a sender’s identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
<b>Applicability</b>	Both the identification and the coding scheme are mandatory.
<b>Dependence requirements</b>	None.

1489 **8.5.1.6 SENDERROLE**

ACTION	DESCRIPTION
<b>Definition of element</b>	Identification of the role that is played by the sender.
<b>Description</b>	The sender role, which identifies the role of the sender within the document. A07 = Transmission Capacity Allocator
<b>Size</b>	The maximum length of a sender role is 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1490 **8.5.1.7 RECEIVERIDENTIFICATION – CODINGScheme**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	Identification of the party who is receiving the document.
<b>Description</b>	The receiver of the document is identified by a unique coded identification. In general this corresponds to the bidder of its representative. The codification scheme used for the coded identification is indicated by the coding scheme attribute. <b>Refer to ENTSO-E Core Component Code list document for valid coding scheme codes.</b>
<b>Size</b>	The maximum length of a receiver's identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
<b>Applicability</b>	Both the identification and the coding scheme are mandatory.
<b>Dependence requirements</b>	None.

1491 **8.5.1.8 RECEIVERROLE**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	Identification of the role played by the receiver.
<b>Description</b>	The receiver role, which identifies the role of the receiver within the document. <b>Refer to ENTSO-E Core Component Code list document for valid role codes.</b>
<b>Size</b>	The maximum length of a receiver role is 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1492 **8.5.1.9 CREATIONDATETIME**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	Date and time of the creation of the document.
<b>Description</b>	The date and time that the document was prepared for transmission by the application of the sender.
<b>Size</b>	The date and time must be expressed in UTC as YYYY-MM-DDTHH:MM:SSZ.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1493 **8.5.1.10 BIDTIMEINTERVAL**

ACTION	DESCRIPTION
<b>Definition of element</b>	The beginning and ending date and time of the period covered by the document.
<b>Description</b>	This information provides the start and end date and time of the bid period. The receiver will discard any time intervals outside the bid period.
<b>Size</b>	The start and end date and time must be expressed in UTC as YYYY-MM-DDTHH:MMZ/YYYY-MM-DDTHH:MMZ.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1494 **8.5.1.11 DOMAIN - CODINGScheme**

ACTION	DESCRIPTION
<b>Definition of element</b>	The domain covered within the document.
<b>Description</b>	The identification of the domain that is covered in the document. This covers what auction identifications may be used. The codification scheme used for the coded identification is indicated by the coding scheme attribute. <b>Refer to ENTSO-E Core Component Code list document for the valid list of codes.</b>
<b>Size</b>	The maximum length of this information is 18 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
<b>Applicability</b>	Both the identification and the coding scheme are mandatory.
<b>Dependence requirements</b>	None

1495 **8.5.2 RULES GOVERNING THE ALLOCATION TIME SERIES CLASS**

1496 **8.5.2.1 TIMESERIESIDENTIFICATION**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	The identification of the time series instance.  This must be a unique number that is assigned by the auction office for each time series in the document
<b>Description</b>	An identification that uniquely identified the time series.
<b>Size</b>	The maximum size of a time series identification is 35 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1497 **8.5.2.2 BIDDOCUMENTIDENTIFICATION**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	The identification of the document for which the bids or resales referenced are contained.
<b>Description</b>	Each bid allocated is contained in the bid document sent by the user.
<b>Size</b>	The identification of a document may not exceed 35 alphanumeric characters.
<b>Applicability</b>	This information is Mandatory.
<b>Dependence requirements</b>	None

1498 **8.5.2.3 BIDDOCUMENTVERSION**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	Version of the bid or resales document having been sent.
<b>Description</b>	The document version identified for the bid document
<b>Size</b>	A version number may not exceed 3 numeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1499 **8.5.2.4 BIDIDENTIFICATION**

ACTION	DESCRIPTION
<b>Definition of element</b>	The identification of the time series that was used in the original bid or resale.  This is the unique number that is assigned by the bidder when he made his original bid or resale.
<b>Description</b>	An identification that uniquely identified the bid or resale.
<b>Size</b>	The maximum size of a bid identification is 35 alphanumeric characters.
<b>Applicability</b>	This information is dependent.
<b>Dependence requirements</b>	The information is required for primary auction results.

1500 **8.5.2.5 BIDDINGPARTY – CODINGScheme**

ACTION	DESCRIPTION
<b>Definition of element</b>	Identification of the party who bid for the capacity or resold it.
<b>Description</b>	The party that bid for the capacity or resold it is identified by a unique coded identification. The codification scheme used for the coded identification is indicated by the coding scheme attribute. <b>Refer to ENTSO-E Core Component Code list document for valid coding scheme codes.</b>
<b>Size</b>	The maximum length of a bidding party's identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
<b>Applicability</b>	Both the identification and the coding scheme are mandatory.
<b>Dependence requirements</b>	None.

1501 **8.5.2.6 AUCTIONIDENTIFICATION**

ACTION	DESCRIPTION
<b>Definition of element</b>	The identification linking the allocation to a set of specifications created by the auction operator.
<b>Description</b>	A unique identification of the set of specifications that clearly identify the auction to which the bid is addressed.
<b>Size</b>	The maximum size of an auction identification is 35 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1502 **8.5.2.7 BUSINESSTYPE**

ACTION	DESCRIPTION
<b>Definition of element</b>	Identifies the nature of the time series.
<b>Description</b>	The nature of the time series in the original bid. <b>Refer to ENTSO-E Core Component Code list document for valid business Type codes.</b>
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1503 **8.5.2.8 INAREA – CODINGSCHEME**

ACTION	DESCRIPTION
<b>Definition of element</b>	The area where the energy is to be put.
<b>Description</b>	The identification of the area where the energy is going. The codification scheme used for the coded identification is indicated by the coding scheme attribute. <b>Refer to ENTSO-E Core Component Code list document for valid coding scheme codes.</b>
<b>Size</b>	The maximum length of the area code is 18 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
<b>Applicability</b>	Both the identification and the coding scheme are mandatory.
<b>Dependence requirements</b>	None

1504 **8.5.2.9 OUTAREA – CODINGSCHEME**

ACTION	DESCRIPTION
<b>Definition of element</b>	The area where the energy is coming from.
<b>Description</b>	The identification of the area where the energy originates. The codification scheme used for the coded identification is indicated by the coding scheme attribute. <b>Refer to ENTSO-E Core Component Code list document for valid coding scheme codes.</b>
<b>Size</b>	The maximum length of the area code is 18 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
<b>Applicability</b>	Both the identification and the coding scheme are mandatory.
<b>Dependence requirements</b>	None

1505 **8.5.2.10 CONTRACTTYPE**

ACTION	DESCRIPTION
<b>Definition of element</b>	<p>The contract type defines the conditions under which the capacity was allocated and handled.</p> <p>e.g.: daily auction, weekly auction, monthly auction, yearly auction, Long term contract, etc.</p> <p>The significance of this type is dependent on the in area and out area specific coded working methods.</p> <p>The Transmission Capacity Allocator responsible for the area in question auctions defines the contract type to be used.</p>
<b>Description</b>	<p>This information defines the conditions under which the capacity was allocated and handled.</p> <p><b>Refer to ENTSO-E Core Component Code list document for the valid list of codes.</b></p>
<b>Size</b>	<p>The maximum length of this information is 3 alphanumeric characters.</p>
<b>Applicability</b>	<p>This information is mandatory</p>
<b>Dependence requirements</b>	<p>None.</p>

1506 **8.5.2.11 CONTRACTIDENTIFICATION**

ACTION	DESCRIPTION
<b>Definition of element</b>	<p>The contract identification of the time series instance.</p> <p>This must be a unique number that is assigned by the auction office and shall be used for all references to the allocation.</p>
<b>Description</b>	<p>An identification that uniquely identified the allocation.</p>
<b>Size</b>	<p>The maximum size of a contract identification is 35 alphanumeric characters.</p>
<b>Applicability</b>	<p>This information is mandatory.</p>
<b>Dependence requirements</b>	<p>None.</p>

1507 **8.5.2.12 MEASUREUNITQUANTITY**

ACTION	DESCRIPTION
<b>Definition of element</b>	The unit of measure that is applied to the quantities in which the time series is expressed.
<b>Description</b>	The unit if measurement used for the quantities expressed within the time series. <b>Refer to ENTSO-E Core Component Code list document for valid codes.</b>
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1508 **8.5.2.13 CURRENCY**

ACTION	DESCRIPTION
<b>Definition of element</b>	The currency in which the monetary amount is expressed.
<b>Description</b>	The currency used for the monetary amount expressed within the time series. <b>Refer to ENTSO-E Core Component Code list document for valid codes.</b>
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters respecting the standard ISO 4217.
<b>Applicability</b>	This information is dependent
<b>Dependence requirements</b>	A currency is required only if there is a Price Amount specified

1509 **8.5.2.14 MEASUREUNITPRICE**

ACTION	DESCRIPTION
<b>Definition of element</b>	The unit of measure in which the price in the time series is expressed.
<b>Description</b>	The unit if measurement used for the price expressed within the time series. (MW per unit, MWh per unit, etc.). <b>Refer to ENTSO-E Core Component Code list document for valid codes.</b>
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters.
<b>Applicability</b>	This information is dependent
<b>Dependence requirements</b>	A Measure Unit Price is required only if there is a Price Amount specified

1510 **8.5.2.15 CURVETYPE**

ACTION	DESCRIPTION
<b>Definition of element</b>	The coded representation of the type of curve being described.
<b>Description</b>	This represents the coded identification of the curve that is described in the Period and Interval class. The following CurveType codes are permitted: A01 = Sequential fixed sized blocks (default). A03 = Variable Block. <i>One or more Periods where only the positions representing a block level change are present within TimeInterval of the Period. The resolution corresponds to the smallest interval where a block level change may occur. A block consists of a consistent volume from the current position through to the Start Date Time of the next block.</i> The curve types are described in the document reference [2].
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters.
<b>Applicability</b>	This information is dependent.
<b>Dependence requirements</b>	The CurveType may be used to provide profile information or reduced time interval content..

1511 **8.5.2.16 CLASSIFICATIONCATEGORY**

ACTION	DESCRIPTION
<b>Definition of element</b>	The category of the product as defined by market rules.
<b>Description</b>	This information provides the basic category of the auction and describes what hours of the day are being auctioned. The following codes have been initially defined: A01: Base A02: Peak A03: Off-peak A04: Hourly <b>Refer to ENTSO-E Core Component Code list document for valid Classification Category codes.</b>
<b>Size</b>	The classification category value must be exactly 3 alphanumeric characters (no blanks).
<b>Applicability</b>	This information is dependent.
<b>Dependence requirements</b>	The use of this depends on local market rules.

1512 **8.5.3 RULES GOVERNING THE PERIOD CLASS**

1513 There may be several period classes for a time series. The overall time interval covered  
1514 by the period shall be within the complete bid time interval.

1515 The number of periods within a time series as characterized by the resolution must  
1516 completely cover the period's time interval.

1517 If a time series is suppressed then the interval quantities are all zeroed out.

1518 A sender's minimal resolution must respect market rules.

1519 **8.5.3.1 TIMEINTERVAL**

ACTION	DESCRIPTION
<b>Definition of element</b>	The start and end date and time of the time interval of the period in question.
<b>Description</b>	This information provides the start and end date and time of the period being reported.
<b>Size</b>	The start and end date and time must be expressed in UTC in compliance with the following format: YYYY-MM-DDTHH:MMZ/YYYY-MM-DDTHH:MMZ.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1520 **8.5.3.2 RESOLUTION**

ACTION	DESCRIPTION
<b>Definition of element</b>	The resolution defining the number of periods that the time interval is divided.
<b>Description</b>	This information defines the resolution of a single period. The time interval must contain a whole number of periods as expressed by the resolution.
<b>Size</b>	The resolution is expressed in compliance with ISO 8601 in the following format:  PnYnMnDTnHnMnS. Where nY expresses a number of years, nM a number of months, nD a number of days. The letter "T" separates the date expression from the time expression and after it nH identifies a number of hours, nM a number of minutes and nS a number of seconds. For example PT15M expresses a 15 minute resolution.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1521 **8.5.4 RULES GOVERNING THE INTERVAL CLASS**

1522 The interval class contains the relative position within a time interval period, the quantities  
1523 allocated associated with that position and the unit price that corresponds to the quantity  
1524 allocated.

1525 The position must begin with 1 and increment by 1 for each subsequent position forming a  
1526 series of contiguous numbers covering the complete range of the period.

1527 Any leading zeros in a position shall be suppressed.

1528 Negative values are not allowed in time series quantities

1529 Leading zeros in a quantity shall be suppressed before transmission.

1530 **8.5.4.1 Pos**

ACTION	DESCRIPTION
<b>Definition of element</b>	The relative position of a period within a bid interval.
<b>Description</b>	This information provides the relative position of a period within a bid interval.
<b>Size</b>	The relative position must be expressed as a numeric integer value beginning with 1. All leading zeros must be suppressed. The maximum number of characters is 6.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1531 **8.5.4.2 QTY**

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

1532 **8.5.4.3 PRICEAMOUNT**

ACTION	DESCRIPTION
<b>Definition of element</b>	The price expressed for each unit of quantity allocated.
<b>Description</b>	This information defines the price expressed in the unit of measurement of Price per unit of quantity allocated in compliance with the pricing scheme based on local market rules. The decimal mark that separates the digits forming the integral part of a number from those forming the fractional part (ISO 6093) shall always be a period (“.”).
<b>Size</b>	The maximum length of this information is 17 numeric characters (decimal mark and sign, if used included).
<b>Applicability</b>	This information is dependent
<b>Dependence requirements</b>	The Price Amount is mandatory in the case of capacity auctions and must not be provided in the case of rule based allocations depending on local market rules.

1533 **8.5.4.4 BIDQTY**

ACTION	DESCRIPTION
<b>Definition of element</b>	The quantity that was in the original bid document
<b>Description</b>	This information defines the quantity that was requested for the interval in question and that is expressed in the Measurement Unit Quantity. A decimal point value may be used to express values that are inferior to the defined unit of measurement. The decimal mark that separates the digits forming the integral part of a number from those forming the fractional part. (ISO 6093) shall always be a period (“.”). All quantities are non-signed values.
<b>Size</b>	The maximum length of this information is 17 numeric characters (decimal mark included). The number of decimal places identifying the fractional part of the quantity depends on local market rules.
<b>Applicability</b>	This information is dependent.
<b>Dependence requirements</b>	Local market rules determine if the information is to be provided for information

1534 **8.5.4.5 BIDPRICEAMOUNT**

ACTION	DESCRIPTION
<b>Definition of element</b>	The original price expressed in the original bid or resale for each unit of quantity requested.
<b>Description</b>	This information reproduces the price expressed in the unit of measurement of Price per unit of quantity requested in the original bid. The decimal mark that separates the digits forming the integral part of a number from those forming the fractional part (ISO 6093) shall always be a period (“.”).
<b>Size</b>	The maximum length of this information is 17 numeric characters (decimal mark and sign, if used included).
<b>Applicability</b>	This information is dependent.
<b>Dependence requirements</b>	Local market rules determine if the information is to be provided for information

1535 **8.5.5 RULES GOVERNING THE REASON CLASS**

1536 The Reason class may provide any coded or textual information that is necessary to  
1537 completely describe the conditions of the allocation.

1538 This class may be used to provide specific local market information, such as the status of  
1539 the auction information, as well as diagnostics in relation to the bid.

1540 **8.5.5.1 REASONCODE**

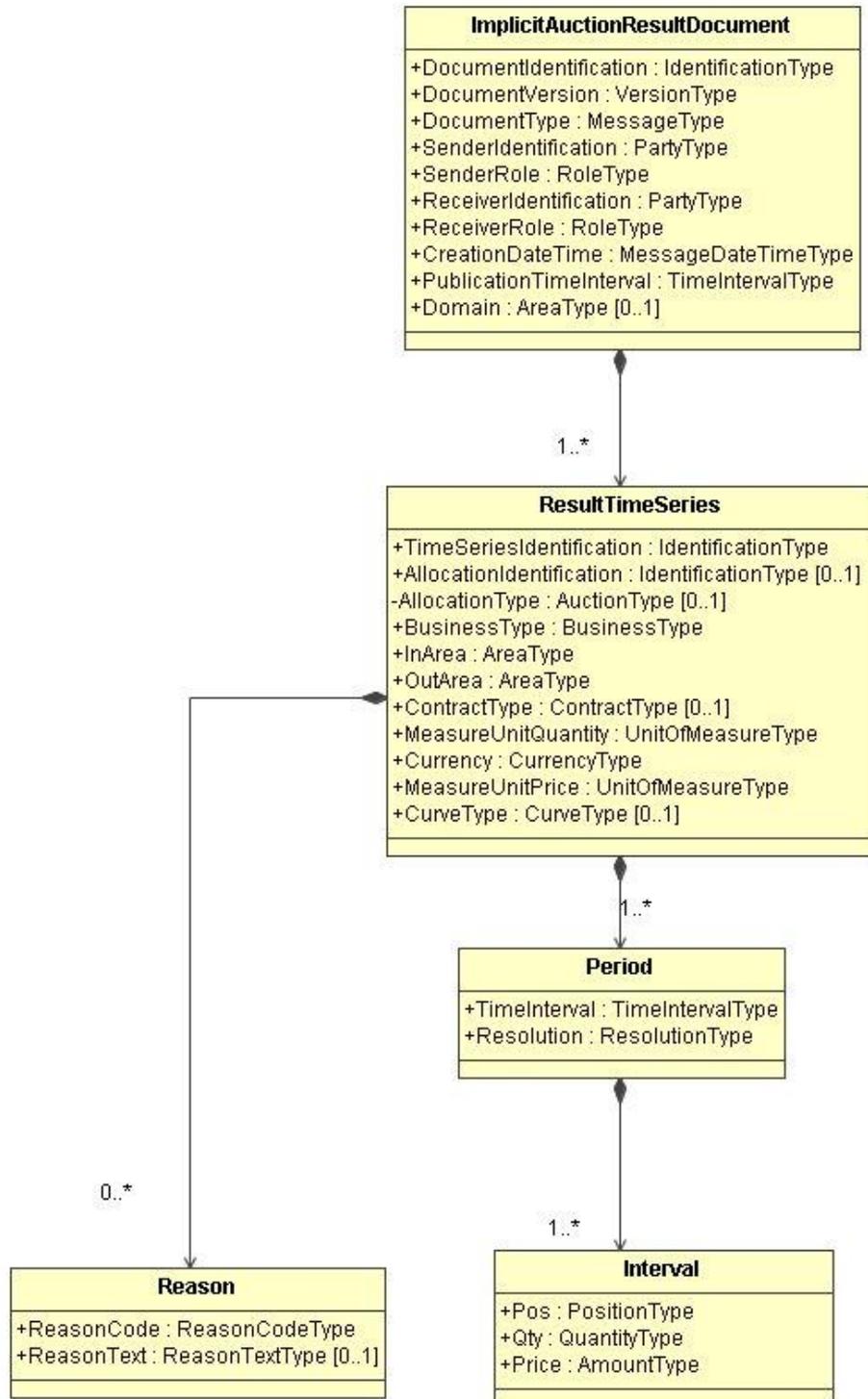
<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	A code providing the status of the allocation. Currently the following status's have been identified:  A71: Linked bid rejected due to associated bid unsuccessful  A72: Original bid divided to permit acceptance  A73: Bid accepted  A74: Auction Status
<b>Description</b>	The reason code provides the status of the allocation. As many reason elements as necessary may be used.
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters.
<b>Applicability</b>	This information is dependent.
<b>Dependence requirements</b>	This information is at the time series level to provide related explanatory information.

1541 **8.5.5.2 REASONTEXT**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	Textual explanation of the reason code.
<b>Description</b>	If the code does not provide all the information to clearly identify the justification of the allocation then the textual information may be provided.
<b>Size</b>	The maximum length of this information is 512 alphanumeric characters.
<b>Applicability</b>	This information is dependent.
<b>Dependence requirements</b>	Used only if the reason code is insufficient to identify an error.

1542 **8.6 IMPLICIT AUCTION RESULT DOCUMENT**

1543 **8.6.1 INFORMATION MODEL**



1544

1545

**FIGURE 26: IMPLICIT AUCTION RESULT DOCUMENT MODEL**

1546 **8.6.2 RULES GOVERNING THE IMPLICIT AUCTION RESULT DOCUMENT**  
1547 **IMPLEMENTATION**

1548 **8.6.2.1 INTRODUCTION**

1549 An Implicit Auction Result Document is issued by the Market Operator at the end of a  
1550 specific auctioning cycle or by the System Operator once the NTC values have been agreed. It  
1551 could be yearly, monthly or daily auctions in addition to intraday auctions.

1552 **8.6.2.2 IMPLICIT AUCTION RESULT CLASS SPECIFICATIONS**

1553 **8.6.2.2.1 DOCUMENTIDENTIFICATION**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	Unique identification of the Implicit Auction Result Document.
<b>Description</b>	Each Implicit Auction Result Document is allocated a unique identification by the sender.
<b>Size</b>	The identification of an Implicit Auction Result Document may not exceed 35 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None

1554 **8.6.2.2.2 DOCUMENTVERSION**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	Version of the document being sent. A document may be sent several times, each transmission being identified by a different version number that starts at 1 and increases sequentially.
<b>Description</b>	The document version is used to identify a given version of an Implicit Auction Result Document and is used in the case of possible erroneous transmissions. 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 should ensure that the version number for a document is superior to the previous version number received.
<b>Size</b>	A version number may not exceed 3 numeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1555 **8.6.2.2.3 DOCUMENTTYPE**

ACTION	DESCRIPTION
<b>Definition of element</b>	The coded type of the Implicit Auction Result Document being sent.
<b>Description</b>	The Implicit Auction Result Document type identifies the type of the publication being sent. <b>Refer to ENTSO-E Core Components (ECC) specification for valid codes.</b> Initial codes defined for this application are: A25: Allocation results
<b>Size</b>	The Implicit Auction Result Document type value may not exceed 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1556 **8.6.2.2.4 SENDERIDENTIFICATION – CODINGScheme**

ACTION	DESCRIPTION
<b>Definition of element</b>	Identification of the party who is sending the Implicit Auction Result Document.
<b>Description</b>	The sender of the Implicit Auction Result Document is identified by a unique coded identification. The codification scheme used for the coded identification is indicated by the coding scheme attribute. <b>Refer to ENTSO-E Core Component Code list document for valid codes.</b>
<b>Size</b>	The maximum length of a sender's identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
<b>Applicability</b>	Both the identification and the coding scheme are mandatory.
<b>Dependence requirements</b>	None.

1557 **8.6.2.2.5 SENDERROLE**

ACTION	DESCRIPTION
<b>Definition of element</b>	Identification of the role that is played by the sender.
<b>Description</b>	<p>The sender role, which identifies the role of the sender within the context of the transaction for which the document is being made.</p> <p><b>Refer to ENTSO-E Core Component Code list document for valid codes.</b></p> <p>Initial codes defined for this application are:                      A04: System Operator                      A11: Market Operator                      A32: Market Information Aggregator</p>
<b>Size</b>	The maximum length of a sender role is 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1558 **8.6.2.2.6 RECEIVERIDENTIFICATION – CODINGScheme**

ACTION	DESCRIPTION
<b>Definition of element</b>	Identification of the party who is receiving the Implicit Auction Result Document.
<b>Description</b>	<p>The receiver of the Implicit Auction Result Document is identified by a unique coded identification. In the case of general distribution the Receiver Identification shall not be used.</p> <p>The codification scheme used for the coded identification is indicated by the coding scheme attribute.</p> <p><b>Refer to ENTSO-E Core Component Code list document for valid codes.</b></p>
<b>Size</b>	<p>The maximum length of a receiver's identification is 16 alphanumeric characters.</p> <p>The maximum length of the coding scheme code is 3 alphanumeric characters.</p>
<b>Applicability</b>	Both the identification and the coding scheme are mandatory.
<b>Dependence requirements</b>	None.

1559 **8.6.2.2.7 RECEIVERROLE**

ACTION	DESCRIPTION
<b>Definition of element</b>	Identification of the role played by the receiver.
<b>Description</b>	The receiver role, which identifies the role of the receiver concerning the document. <b>Refer to ENTSO-E Core Component Code list document for valid codes.</b> Initial codes defined for this application are: A04: System Operator A07: Transmission Capacity Allocator A32: Market Information Aggregator A33: Information receiver
<b>Size</b>	The maximum length of a receiver role is 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory
<b>Dependence requirements</b>	None.

1560 **8.6.2.2.8 CREATIONDATETIME**

ACTION	DESCRIPTION
<b>Definition of element</b>	Date and time of transmission of the Implicit Auction Result Document.
<b>Description</b>	The date and time that the Implicit Auction Result Document was prepared for transmission by the application of the sender.
<b>Size</b>	The date and time must be expressed in UTC as YYYY-MM-DDTHH:MM:SSZ.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1561 **8.6.2.2.9 PUBLICATIONTIMEINTERVAL**

ACTION	DESCRIPTION
<b>Definition of element</b>	The beginning and ending date and time of the period that the Implicit Auction Result Document is covering.
<b>Description</b>	This information provides the start and end date and time covered by the Implicit Auction Result Document.
<b>Size</b>	The start and end date and time must be expressed in UTC as YYYY-MM-DDTHH:MMZ/YYYY-MM-DDTHH:MMZ.
<b>Applicability</b>	This information is dependent.
<b>Dependence requirements</b>	This information is only required if the Implicit Auction Result Document is requesting information for a period.

1562 **8.6.2.2.10 DOMAIN - CODINGScheme**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	The domain covered within the Implicit Auction Result Document.
<b>Description</b>	The identification of the domain that is covered in the Implicit Auction Result Document. The domain shall only be used for the identification of specific entsoe.net contexts. The codification scheme used for the coded identification is indicated by the coding scheme attribute. <b>Refer to ENTSO-E Core Component Code list document for the valid list of codes.</b>
<b>Size</b>	The maximum length of this information is 18 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
<b>Applicability</b>	This information is dependent.
<b>Dependence requirements</b>	The domain shall be used to identify the domain covered by the implicit market

1563 **8.6.2.3 RULES GOVERNING THE RESULT TIME SERIES CLASS**

1564 **8.6.2.3.1 TIMESERIESIDENTIFICATION**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	The identification attributed by the sender that uniquely identifies the time series.
<b>Description</b>	A unique identification of the time series assigned by the sender.
<b>Size</b>	The maximum size of a time series identification is 35 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1565 **8.6.2.3.2 ALLOCATIONIDENTIFICATION**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	The identification linking the time series to a set of specifications created by an operator.
<b>Description</b>	A unique identification of the set of specifications that clearly defines the allocation process to which the time series is addressed..
<b>Size</b>	The maximum size of an allocation identification is 35 alphanumeric characters.
<b>Applicability</b>	This information is dependent.
<b>Dependence requirements</b>	This depends on its use on the local market

1566 **8.6.2.3.3 ALLOCATIONTYPE**

ACTION	DESCRIPTION
<b>Definition of element</b>	Identifies the type of allocation that has been used.
<b>Description</b>	The type of the allocation used. The initial codes defined for this application are: A01: Implicit <b>Refer to ENTSO-E Core Component Code list document for valid Auction Type codes.</b>
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters.
<b>Applicability</b>	This information is dependent.
<b>Dependence requirements</b>	This shall be used only in the case where auction information is being identified.

1567 **8.6.2.3.4 BUSINESSTYPE**

ACTION	DESCRIPTION
<b>Definition of element</b>	Identifies the nature of the time series.
<b>Description</b>	The nature of the time series for which the product is handled. The initial codes defined for this application are: A47: Market capacity price A48: Market capacity price differential (InArea Price – OutArea Price).
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1568 **8.6.2.3.5 INAREA – CODINGScheme**

ACTION	DESCRIPTION
<b>Definition of element</b>	The area where the energy is to be put.
<b>Description</b>	The identification of the area where the energy is destined. The codification scheme used for the coded identification is indicated by the coding scheme attribute. <b>Refer to ENTSO-E Core Component Code list document for valid coding scheme codes.</b>
<b>Size</b>	The maximum length of the area code is 18 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1569 **8.6.2.3.6 OUTAREA – CODINGScheme**

ACTION	DESCRIPTION
<b>Definition of element</b>	The area where the energy is coming from.
<b>Description</b>	The identification of the area where the energy is coming from. The codification scheme used for the coded identification is indicated by the coding scheme attribute. <b>Refer to ENTSO-E Core Component Code list document for valid coding scheme codes.</b>
<b>Size</b>	The maximum length of the area code is 18 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None

1570 **8.6.2.3.7 CONTRACTTYPE**

ACTION	DESCRIPTION
<b>Definition of element</b>	The contract type defines the conditions under which the capacity was allocated and handled.  e.g.: daily auction, weekly auction, monthly auction, yearly auction, Long term contract, etc.  The significance of this type is dependent on the in area and out area specific coded working methods.
<b>Description</b>	This information defines the conditions under which the capacity was allocated and handled. <b>Refer to ENTSO-E Core Component Code list document for the valid list of codes.</b>
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters.
<b>Applicability</b>	This information is dependent
<b>Dependence requirements</b>	This is dependent on local market rules.

1571 **8.6.2.3.8 MEASUREUNITQUANTITY**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	The unit of measure in which the quantities in the time series are expressed.
<b>Description</b>	The unit if measurement used for the quantities expressed within the time series. It is recommended that this be always expressed in megawatts (code MAW) <b>Refer to ENTSO-E Core Component Code list document for valid codes.</b>
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None

1572 **8.6.2.3.9 CURRENCY**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	The currency in which the monetary amount is expressed.
<b>Description</b>	The currency used for the monetary amount expressed within the time series. <b>Refer to ENTSO-E Core Component Code list document for valid codes.</b>
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters respecting the standard ISO 4217.
<b>Applicability</b>	This information is mandatory
<b>Dependence requirements</b>	none

1573 **8.6.2.3.10 MEASUREUNITPRICE**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	The unit of measure in which the price in the time series is expressed per unit of currency (MW per unit, MWh per unit, etc.).
<b>Description</b>	The unit if measurement used for the price expressed within the time series. per unit of currency (MW per unit (code MAW), MWh per unit (code MWH), etc.). <b>Refer to ENTSO-E Core Component Code list document for valid codes.</b>
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory
<b>Dependence requirements</b>	None

1574 8.6.2.3.11 CURVETYPE

ACTION	DESCRIPTION
<b>Definition of element</b>	The coded representation of the type of curve being described.
<b>Description</b>	<p>This represents the coded identification of the curve that is described in the Period and Interval class.</p> <p>The following CurveType codes are permitted:                      A01 = Sequential fixed sized blocks (default).                      A03 = Variable Block. <i>One or more Periods where only the positions representing a block level change are present within TimeInterval of the Period. The resolution corresponds to the smallest interval where a block level change may occur. A block consists of a consistent volume from the current position through to the Start Date Time of the next block.</i></p> <p>The curve types are described in the document reference [2].</p>
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters.
<b>Applicability</b>	This information is dependent.
<b>Dependence requirements</b>	The CurveType may be used to provide profile information or reduced time interval content..

1575 **8.6.2.4 RULES GOVERNING THE PERIOD CLASS**

1576 There may be several period classes for a time series. The overall time interval covered  
1577 by the period classes shall be within the publication time interval. The number of periods  
1578 within a time series as characterized by the resolution must completely cover the period's  
1579 time interval.

1580 The resolution must be constant throughout the time series.

1581 A senders minimal resolution must respect market rules.

1582 **8.6.2.4.1 TIMEINTERVAL**

ACTION	DESCRIPTION
<b>Definition of element</b>	The start and end date and time of the time interval of the period in question.
<b>Description</b>	This information provides the start and end date and time of the period being reported.
<b>Size</b>	The start and end date and time must be expressed in UTC in compliance with the following format: YYYY-MM-DDTHH:MMZ/YYYY-MM-DDTHH:MMZ.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1583 **8.6.2.4.2 RESOLUTION**

ACTION	DESCRIPTION
<b>Definition of element</b>	The resolution defining the number of periods that the time interval is divided.
<b>Description</b>	This information defines the resolution of a single period. The time interval must contain a whole number of periods as expressed by the resolution.
<b>Size</b>	The resolution is expressed in compliance with ISO 8601 in the following format:  PnYnMnDTnHnMnS. Where nY expresses a number of years, nM a number of months, nD a number of days. The letter "T" separates the date expression from the time expression and after it nH identifies a number of hours, nM a number of minutes and nS a number of seconds. For example PT15M expresses a 15 minute resolution.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1584 **8.6.2.5 RULES GOVERNING THE INTERVAL CLASS**

1585 The interval class contains the relative position within a time interval period, the quantities  
1586 associated with that position and eventually the highest monetary amount for the time  
1587 interval.

1588 The position must begin with 1 and increment by 1 for each subsequent position forming a  
1589 series of contiguous numbers covering the complete range of the period.

1590 Any leading zeros in a position shall be suppressed.

1591 Negative values are not allowed in time series quantities

1592 Leading zeros in a quantity shall be suppressed before transmission.

1593 **8.6.2.5.1 Pos**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	The relative position of a period within an interval.
<b>Description</b>	This information provides the relative position of a period within an interval.
<b>Size</b>	The relative position must be expressed as a numeric integer value beginning with 1. All leading zeros must be suppressed. The maximum number of characters is 6.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1594 **8.6.2.5.2 QTY**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	The quantity auctioned for the interval in question
<b>Description</b>	This information defines the quantity auctioned for the interval in question and that is expressed in the Measurement Unit Quantity. A decimal point value may be used to express values that are inferior to the defined unit of measurement. The decimal mark that separates the digits forming the integral part of a number from those forming the fractional part. (ISO 6093) shall always be a period (“.”). All quantities are non-signed values.
<b>Size</b>	The maximum length of this information is 17 numeric characters (decimal mark included). The number of decimal places identifying the fractional part of the quantity depends on local market rules.
<b>Applicability</b>	This information is Mandatory
<b>Dependence requirements</b>	none

1595 **8.6.2.5.3 PRICE**

ACTION	DESCRIPTION
<b>Definition of element</b>	The price expressed per currency per unit of price measure.
<b>Description</b>	<p>This information defines the price expressed in the unit of measurement of Price per unit of quantity in compliance with the pricing scheme based on local market rules.</p> <p>For market prices the price provided is always the InArea price</p> <p>A price may be negative in cases where it is providing the difference between in and out area market prices.</p> <p>Price differential calculated with the following formula: InArea – OutArea.</p> <p>The decimal mark that separates the digits forming the integral part of a number from those forming the fractional part (ISO 6093) shall always be a period (“.”).</p>
<b>Size</b>	The maximum length of this information is 17 numeric characters (decimal mark and sign, if used included).
<b>Applicability</b>	This information is mandatory
<b>Dependence requirements</b>	None

1596 **8.6.2.6 RULES GOVERNING THE REASON CLASS**

1597 The Reason class may provide any coded or textual information that is necessary to  
1598 completely describe specific market information where required such as the status of the  
1599 auction information, as well as any diagnostics.

1600 **8.6.2.6.1 REASONCODE**

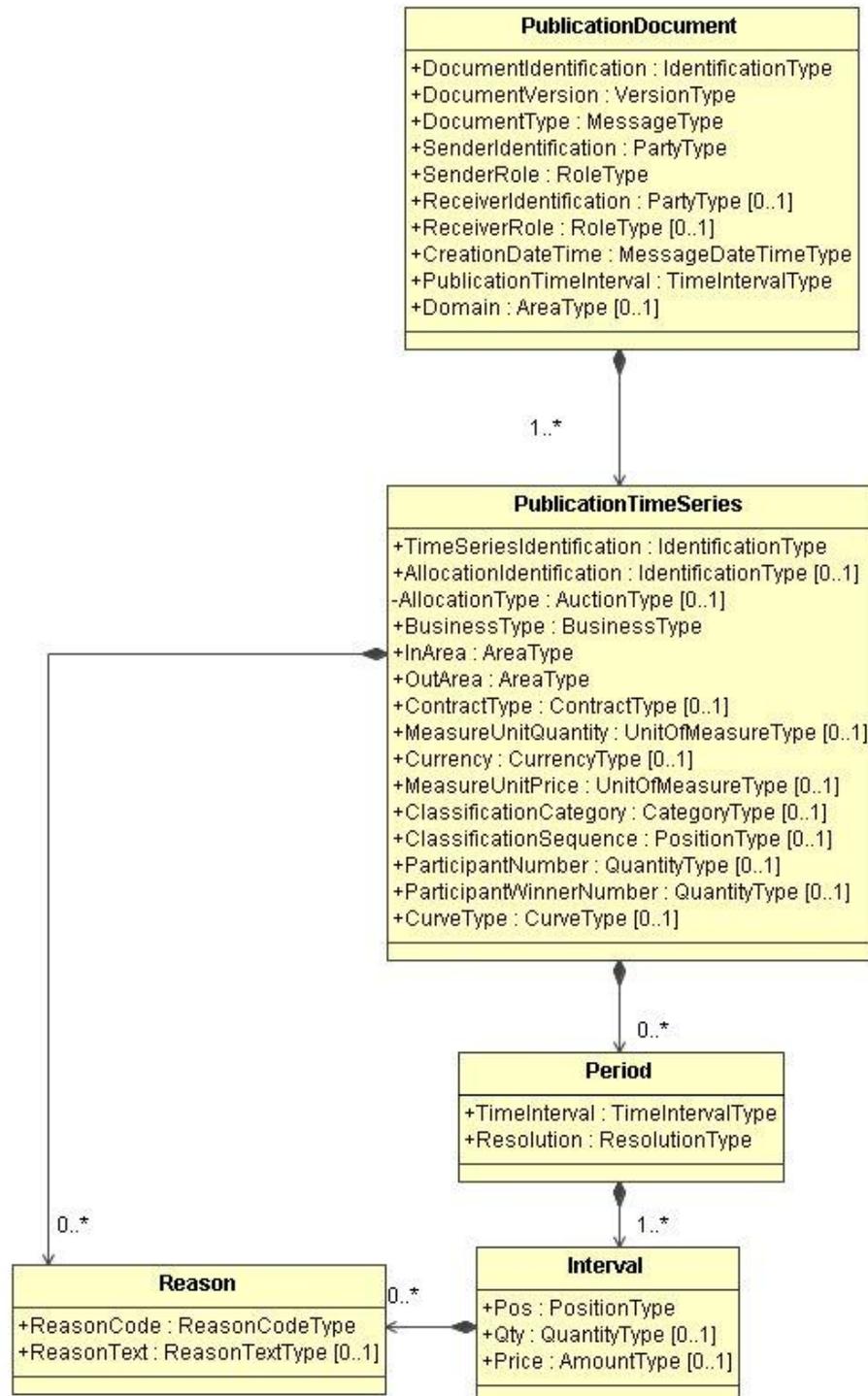
ACTION	DESCRIPTION
<b>Definition of element</b>	<p>A code providing the information being provided.</p> <p><b>Refer to ENTSO-E Core Component Code list document for valid codes</b></p>
<b>Description</b>	<p>The reason code provides the specific market information.</p> <p>As many reason elements as necessary may be used.</p> <p>This information may be used the time series level to provide related explanatory information</p>
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	.None

1601 **8.6.2.6.2 REASONTXT**

ACTION	DESCRIPTION
<b>Definition of element</b>	Additional textual information.
<b>Description</b>	If the code does not provide all the information to clearly identify the market information then the textual information may be provided.
<b>Size</b>	The maximum length of this information is 512 alphanumeric characters.
<b>Applicability</b>	This information is dependent.
<b>Dependence requirements</b>	Used only if the reason code is insufficient to identify the information being provided.

1602 **8.7 PUBLICATION DOCUMENT**

1603 **8.7.1 INFORMATION MODEL**



1604

1605

FIGURE 27: PUBLICATION DOCUMENT MODEL

1606 **8.7.2 RULES GOVERNING THE PUBLICATION DOCUMENT**  
1607 **IMPLEMENTATION**

1608 **8.7.2.1 INTRODUCTION**

1609 A Publication Document is issued by the Transmission Capacity Allocator at the end of a  
1610 specific auctioning cycle or by the System Operator once the NTC values have been agreed. It  
1611 could be yearly, monthly or daily auctions in addition to intraday auctions.

1612 Upon reception the Market Information Aggregator makes this information promptly  
1613 available to the market.

1614 In the case of the cancellation of an auction a Publication Document shall be transmitted with  
1615 the Time Series completed and at that level a Reason class with a Reason code of A99  
1616 (cancelled). No Period information shall be provided.

1617 **8.7.2.2 PUBLICATION CLASS SPECIFICATIONS**

1618 **8.7.2.2.1 DOCUMENTIDENTIFICATION**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	Unique identification of the publication document.
<b>Description</b>	Each publication document is allocated a unique identification by the sender.
<b>Size</b>	The identification of a Publication document may not exceed 35 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None

1619 **8.7.2.2.2 DOCUMENTVERSION**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	Version of the document being sent. A document may be sent several times, each transmission being identified by a different version number that starts at 1 and increases sequentially.
<b>Description</b>	The document version is used to identify a given version of a publication document and is used in the case of possible erroneous transmissions. 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 should ensure that the version number for a document is superior to the previous version number received.
<b>Size</b>	A version number may not exceed 3 numeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1620 **8.7.2.2.3 DOCUMENTTYPE**

ACTION	DESCRIPTION
<b>Definition of element</b>	The coded type of the Publication Document being sent.
<b>Description</b>	The Publication Document type identifies the type of the publication being sent. <b>Refer to ENTSO-E Core Component Code list document for valid codes.</b> Initial codes defined for this application are: A31: Agreed capacity A25: Allocation results A44: Price document
<b>Size</b>	The Publication Document type value may not exceed 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1621 **8.7.2.2.4 SENDERIDENTIFICATION – CODINGScheme**

ACTION	DESCRIPTION
<b>Definition of element</b>	Identification of the party who is sending the Publication Document.
<b>Description</b>	The sender of the Publication Document is identified by a unique coded identification. The codification scheme used for the coded identification is indicated by the coding scheme attribute. <b>Refer to ENTSO-E Core Component Code list document for valid codes.</b>
<b>Size</b>	The maximum length of a sender's identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
<b>Applicability</b>	Both the identification and the coding scheme are mandatory.
<b>Dependence requirements</b>	None.

1622 **8.7.2.2.5 SENDERROLE**

ACTION	DESCRIPTION
<b>Definition of element</b>	Identification of the role that is played by the sender.
<b>Description</b>	<p>The sender role, which identifies the role of the sender within the context of the transaction for which the document is being made.</p> <p><b>Refer to ENTSO-E Core Component Code list document for valid codes.</b></p> <p>Initial codes defined for this application are:                      A04: System Operator                      A07: Transmission Capacity Allocator                      A32: Market Information Aggregator</p>
<b>Size</b>	The maximum length of a sender role is 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1623 **8.7.2.2.6 RECEIVERIDENTIFICATION – CODINGScheme**

ACTION	DESCRIPTION
<b>Definition of element</b>	Identification of the party who is receiving the Publication Document.
<b>Description</b>	<p>The receiver of the Publication Document is identified by a unique coded identification. In the case of general distribution the Receiver Identification shall not be used. The codification scheme used for the coded identification is indicated by the coding scheme attribute.</p> <p><b>Refer to ENTSO-E Core Components (ECC) specification for valid codes.</b></p>
<b>Size</b>	<p>The maximum length of a receiver's identification is 16 alphanumeric characters.</p> <p>The maximum length of the coding scheme code is 3 alphanumeric characters.</p>
<b>Applicability</b>	Both the identification and the coding scheme are dependent.
<b>Dependence requirements</b>	Used only in the case where a document is sent to a specific party.

1624 8.7.2.2.7 RECEIVERROLE

ACTION	DESCRIPTION
<b>Definition of element</b>	Identification of the role played by the receiver.
<b>Description</b>	The receiver role, which identifies the role of the receiver concerning the document. <b>Refer to ENTSO-E Core Component Code list document for valid codes.</b> Initial codes defined for this application are: A32: Market Information Aggregator A33: Information receiver
<b>Size</b>	The maximum length of a receiver role is 3 alphanumeric characters.
<b>Applicability</b>	This information is dependent.
<b>Dependence requirements</b>	Used only if a specific party has been identified.

1625 8.7.2.2.8 CREATIONDATETIME

ACTION	DESCRIPTION
<b>Definition of element</b>	Date and time of transmission of the Publication Document.
<b>Description</b>	The date and time that the Publication Document was prepared for transmission by the application of the sender.
<b>Size</b>	The date and time must be expressed in UTC as YYYY-MM-DDTHH:MM:SSZ.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1626 8.7.2.2.9 PUBLICATIONTIMEINTERVAL

ACTION	DESCRIPTION
<b>Definition of element</b>	The beginning and ending date and time of the period that the Publication Document is covering.
<b>Description</b>	This information provides the start and end date and time covered by the Publication Document.
<b>Size</b>	The start and end date and time must be expressed as YYYY-MM-DDTHH:MMZ/YYYY-MM-DDTHH:MMZ.
<b>Applicability</b>	This information is dependent.
<b>Dependence requirements</b>	This information is only required if the Publication Document is requesting information for a period.

1627 **8.7.2.2.10 DOMAIN -CODINGScheme**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	The domain covered within the Publication Document.
<b>Description</b>	The identification of the domain that is covered in the Publication Document. The domain shall only be used for the identification of specific entsoe.net contexts. The codification scheme used for the coded identification is indicated by the coding scheme attribute. <b>Refer to ENTSO-E Core Component Code list document for the valid list of codes.</b>
<b>Size</b>	The maximum length of this information is 18 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
<b>Applicability</b>	This information is dependent.
<b>Dependence requirements</b>	The domain shall be used if a specific entsoe.net context has to be identified.

1628 **8.7.2.3 RULES GOVERNING THE PUBLICATION TIME SERIES CLASS**

1629 **8.7.2.3.1 TIMESERIESIDENTIFICATION**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	The identification attributed by the sender that uniquely identifies the time series.
<b>Description</b>	A unique identification of the time series assigned by the sender.
<b>Size</b>	The maximum size of a time series identification is 35 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1630 **8.7.2.3.2 ALLOCATIONIDENTIFICATION**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	The identification linking the time series to a set of specifications created by an operator.
<b>Description</b>	A unique identification of the set of specifications that clearly defines the allocation process to which the time series is addressed..
<b>Size</b>	The maximum size of an allocation identification is 35 alphanumeric characters.
<b>Applicability</b>	This information is dependent.
<b>Dependence requirements</b>	This depends on its use on the local market

1631 **8.7.2.3.3 ALLOCATIONTYPE**

<b>ACTION</b>	<b>DESCRIPTION</b>
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<b>Definition of element</b>	Identifies the type of allocation that has been used.
<b>Description</b>	The type of the allocation used. The initial codes defined for this application are: A01: Implicit A02: Explicit A03: Rule based A04: Mixed A05: Explicit/split <b>Refer to ENTSO-E Core Component Code list document for valid Auction Type codes.</b>
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters.
<b>Applicability</b>	This information is dependent.
<b>Dependence requirements</b>	This shall be used only in the case where auction information is being identified.

1632 8.7.2.3.4 **BUSINESSTYPE**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	Identifies the nature of the time series.
<b>Description</b>	The nature of the time series for which the product is handled. The initial codes defined for this application are: A27: NTC A26: ATC A31: Offered capacity A42: Requested capacity (with price) A43: Requested capacity (without price) A47: Market capacity price A48: Market capacity price differential A57: Resale pricing A62: Spot price
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1633 **8.7.2.3.5 INAREA – CODINGScheme**

ACTION	DESCRIPTION
<b>Definition of element</b>	The area where the energy is to be put.
<b>Description</b>	The identification of the area where the energy is destined. The codification scheme used for the coded identification is indicated by the coding scheme attribute. <b>Refer to ENTSO-E Core Component Code list document for valid coding scheme codes.</b>
<b>Size</b>	The maximum length of the area code is 18 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1634 **8.7.2.3.6 OUTAREA – CODINGScheme**

ACTION	DESCRIPTION
<b>Definition of element</b>	The area where the energy is coming from.
<b>Description</b>	The identification of the area where the energy is coming from. The codification scheme used for the coded identification is indicated by the coding scheme attribute. <b>Refer to ENTSO-E Core Component Code list document for valid coding scheme codes.</b>
<b>Size</b>	The maximum length of the area code is 18 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None

1635 8.7.2.3.7 CONTRACTTYPE

ACTION	DESCRIPTION
<b>Definition of element</b>	<p>The contract type defines the conditions under which the capacity was allocated and handled.</p> <p>e.g.: daily auction, weekly auction, monthly auction, yearly auction, Long term contract, etc.</p> <p>The significance of this type is dependent on the in area and out area specific coded working methods.</p>
<b>Description</b>	<p>This information defines the conditions under which the capacity was allocated and handled.</p> <p><b>Refer to ENTSO-E Core Component Code list document for the valid list of codes.</b></p>
<b>Size</b>	<p>The maximum length of this information is 3 alphanumeric characters.</p>
<b>Applicability</b>	<p>This information is dependent</p>
<b>Dependence requirements</b>	<p>This is dependent on local market rules.</p>

1636 8.7.2.3.8 MEASUREUNITQUANTITY

ACTION	DESCRIPTION
<b>Definition of element</b>	<p>The unit of measure in which the quantities in the time series are expressed.</p>
<b>Description</b>	<p>The unit if measurement used for the quantities expressed within the time series.</p> <p>It is recommended that this be always expressed in megawatts (code MAW)</p> <p><b>Refer to ENTSO-E Core Component Code list document for valid codes.</b></p>
<b>Size</b>	<p>The maximum length of this information is 3 alphanumeric characters.</p>
<b>Applicability</b>	<p>This information is dependent.</p>
<b>Dependence requirements</b>	<p>This is used only where capacity values are expressed. It is not used with market capacity prices</p>

1637 8.7.2.3.9 CURRENCY

ACTION	DESCRIPTION
<b>Definition of element</b>	<p>The currency in which the monetary amount is expressed.</p>
<b>Description</b>	<p>The currency used for the monetary amount expressed within the time series.</p> <p><b>Refer to ENTSO-E Core Component Code list document for valid codes.</b></p>
<b>Size</b>	<p>The maximum length of this information is 3 alphanumeric characters respecting the standard ISO 4217.</p>
<b>Applicability</b>	<p>This information is dependent</p>

<b>Dependence requirements</b>	A currency is required only if there is a Price Amount specified
--------------------------------	--

1638 **8.7.2.3.10 MEASUREUNITPRICE**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	The unit of measure in which the price in the time series is expressed per unit of currency (MW per unit, MWh per unit, etc.).
<b>Description</b>	The unit of measurement used for the price expressed within the time series. per unit of currency (MW per unit (code MAW), MWh per unit (code MWH), etc.). <b>Refer to ENTSO-E Core Component Code list document for valid codes.</b>
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters.
<b>Applicability</b>	This information is Dependent
<b>Dependence requirements</b>	A Measure Unit Price is required only if there is a Price Amount specified

1639 **8.7.2.3.11 CLASSIFICATIONCATEGORY**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	The category under which the auction is classified.
<b>Description</b>	The classification category identifies the type of auction that is being held in respect to a given time period. The current list of codes identified for use are: A01: Base A02: Peak A03: Offpeak <b>Refer to ENTSO-E Core Component Code list document for valid codes.</b>
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters.
<b>Applicability</b>	This information is dependent
<b>Dependence requirements</b>	A Classification Category is only provided if the auction relates to a specific category or time period.

1640 **8.7.2.3.12 CLASSIFICATIONSEQUENCE**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	The sequence of a time series within a given auction category and Contract Type.
<b>Description</b>	This defines the sequence of a time series within a given auction category such as Base 1 or Base 2. This in fact identifies the auction round being carried out for a category.
<b>Size</b>	The maximum length of this information is 3 numeric characters.
<b>Applicability</b>	This information is dependent

<b>Dependence requirements</b>	A Classification Sequence is only provided in the case where there are several auctions in the same category and Contract Type.
--------------------------------	---

1641 **8.7.2.3.13 PARTICIPANTNUMBER**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	The number of parties that participated in the auction
<b>Description</b>	The total number of participants that provided bids in the auction in question.
<b>Size</b>	The maximum length of this information is 17 numeric characters. Decimal values are not allowed.
<b>Applicability</b>	This information is dependent
<b>Dependence requirements</b>	The number of participants is provided if the auction rules permit it.

1642 **8.7.2.3.14 PARTICIPANTWINNERNUMBER**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	The number of parties that had successful bids in the auction
<b>Description</b>	The total number of participants that provided successful bids in the auction in question.
<b>Size</b>	The maximum length of this information is 17 numeric characters. Decimal values are not allowed.
<b>Applicability</b>	This information is dependent
<b>Dependence requirements</b>	The number of participants is provided if the auction rules permit it.

1643 **8.7.2.3.15 CURVETYPE**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	The coded representation of the type of curve being described.
<b>Description</b>	This represents the coded identification of the curve that is described in the Period and Interval class. The following CurveType codes are permitted: A01 = Sequential fixed sized blocks (default). A03 = Variable Block. <i>One or more Periods where only the positions representing a block level change are present within TimeInterval of the Period. The resolution corresponds to the smallest interval where a block level change may occur. A block consists of a consistent volume from the current position through to the Start Date Time of the next block.</i> The curve types are described in the document reference [2].
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters.
<b>Applicability</b>	This information is dependent.

<b>Dependence requirements</b>	The CurveType may be used to provide profile information or reduced time interval content..
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1644 **8.7.2.4 RULES GOVERNING THE PERIOD CLASS**

1645 There may be several period classes for a time series. The overall time interval covered  
1646 by the period classes shall be within the publication time interval. The number of periods  
1647 within a time series as characterized by the resolution must completely cover the period's  
1648 time interval.

1649 When an auction has been cancelled (i.e. a ReasonCode of "A99" – "cancelled" is present  
1650 at the time series level) the Period class shall not be provided.

1651 The resolution must be constant throughout the time series.

1652 A senders minimal resolution must respect market rules.

1653 **8.7.2.4.1 TIMEINTERVAL**

ACTION	DESCRIPTION
<b>Definition of element</b>	The start and end date and time of the time interval of the period in question.
<b>Description</b>	This information provides the start and end date and time of the period being reported.
<b>Size</b>	The start and end date and time must be expressed in UTC in compliance with the following format: YYYY-MM-DDTHH:MMZ/YYYY-MM-DDTHH:MMZ.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1654 **8.7.2.4.2 RESOLUTION**

ACTION	DESCRIPTION
<b>Definition of element</b>	The resolution defining the number of periods that the time interval is divided.
<b>Description</b>	This information defines the resolution of a single period. The time interval must contain a whole number of periods as expressed by the resolution.
<b>Size</b>	The resolution is expressed in compliance with ISO 8601 in the following format:  PnYnMnDTnHnMnS. Where nY expresses a number of years, nM a number of months, nD a number of days. The letter "T" separates the date expression from the time expression and after it nH identifies a number of hours, nM a number of minutes and nS a number of seconds. For example PT15M expresses a 15 minute resolution.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1655 **8.7.2.5 RULES GOVERNING THE INTERVAL CLASS**

1656 The interval class contains the relative position within a time interval period, the quantities  
1657 associated with that position and eventually the highest monetary amount for the time  
1658 interval.

1659 The position must begin with 1 and increment by 1 for each subsequent position forming a  
1660 series of contiguous numbers covering the complete range of the period.

1661 Any leading zeros in a position shall be suppressed.

1662 Negative values are not allowed in time series quantities

1663 Leading zeros in a quantity shall be suppressed before transmission.

1664 **8.7.2.5.1 Pos**

ACTION	DESCRIPTION
<b>Definition of element</b>	The relative position of a period within an interval.
<b>Description</b>	This information provides the relative position of a period within an interval.
<b>Size</b>	The relative position must be expressed as a numeric integer value beginning with 1. All leading zeros must be suppressed. The maximum number of characters is 6.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1665 **8.7.2.5.2 QTY**

ACTION	DESCRIPTION
<b>Definition of element</b>	The quantity auctioned for the interval in question
<b>Description</b>	This information defines the quantity auctioned for the interval in question and that is expressed in the Measurement Unit Quantity. A decimal point value may be used to express values that are inferior to the defined unit of measurement. The decimal mark that separates the digits forming the integral part of a number from those forming the fractional part. (ISO 6093) shall always be a period (“.”). All quantities are non-signed values.
<b>Size</b>	The maximum length of this information is 17 numeric characters (decimal mark included). The number of decimal places identifying the fractional part of the quantity depends on local market rules.
<b>Applicability</b>	This information is dependent.
<b>Dependence requirements</b>	This is not used where market capacity prices are concerned

1666 **8.7.2.5.3 PRICE**

ACTION	DESCRIPTION
<b>Definition of element</b>	The price expressed per currency per unit of price measure.
<b>Description</b>	This information defines the price expressed in the unit of measurement of Price per unit of quantity in compliance with the pricing scheme based on local market rules. A price may be negative in cases where it is providing the difference between in and out area market prices. The decimal mark that separates the digits forming the integral part of a number from those forming the fractional part (ISO 6093) shall always be a period (“.”).
<b>Size</b>	The maximum length of this information is 17 numeric characters (decimal mark and sign, if used included).
<b>Applicability</b>	This information is dependent.
<b>Dependence requirements</b>	The Price is mandatory in the case of capacity auctions and must not be provided in the case of rule based allocations depending on local market rules.
<b>Dependence requirements</b>	Local market rules determine if the information is to be provided for information

1667 **8.7.2.6 RULES GOVERNING THE REASON CLASS**

1668 The Reason class may provide any coded or textual information that is necessary to  
1669 completely describe specific market information where required such as the status of the  
1670 auction information, as well as any diagnostics.

1671 **8.7.2.6.1 REASONCODE**

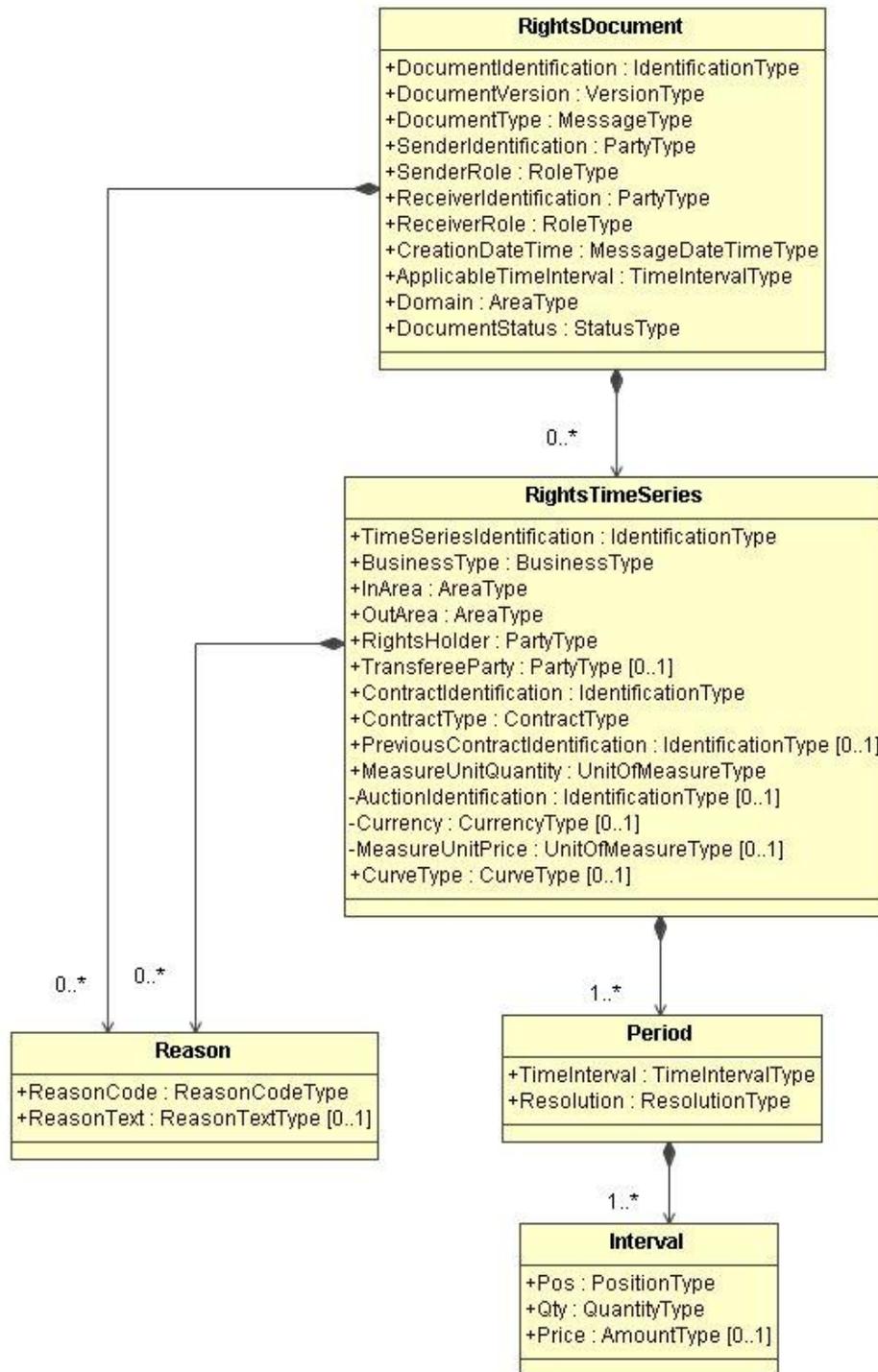
ACTION	DESCRIPTION
<b>Definition of element</b>	A code providing the information being provided.  A possible code that may be used at the time series level is:  A99 = Cancelled  <b>Refer to ENTSO-E Core Component Code list document for valid codes</b>
<b>Description</b>	The reason code provides the specific market information. As many reason elements as necessary may be used. This information may be used the time series level to provide related explanatory information
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	.None

1672 **8.7.2.6.2 REASONTXT**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	Additional textual information.
<b>Description</b>	If the code does not provide all the information to clearly identify the market information then the textual information may be provided.
<b>Size</b>	The maximum length of this information is 512 alphanumeric characters.
<b>Applicability</b>	This information is dependent.
<b>Dependence requirements</b>	Used only if the reason code is insufficient to identify the information being provided.

1673 **8.8 RIGHTS DOCUMENT**

1674 **8.8.1 INFORMATION MODEL**



1675

1676

FIGURE 28: RIGHTS DOCUMENT MODEL

## 1677 8.8.2 RULES GOVERNING THE RIGHTS DOCUMENT CLASS

1678 A Rights Document is used in various contexts within the ECAN process. In general it  
1679 identifies the capacity transmission rights that a Capacity Trader or an Interconnection  
1680 Trade Responsible has in his portfolio for a given border.

1681 Any time a party's capacity transmission rights change for a given period the Capacity  
1682 Trader may inform the party of his new portfolio by sending a new version of the Rights  
1683 document to the party in question.

1684 A rights document may also be used to provide the complete portfolio for a given border.  
1685 In addition, a rights document may be used to provide information on rights compensation  
1686 such as UIOSI pricing or Rights curtailment compensation.

1687

**RIGHTS DOCUMENT DEPENDENCY TABLE**

Document type	A19: Capacity for Resale		A20: Approved Transfer	A21: AAC Transfer	A22: Transmission rights portfolio	A23: Allocations			Axx: Compensation Rights
	A41: Released AAC A32: Capacity transfer notification (deprecated)	A70 Capacity rights not nominated	A32: Capacity transfer notification	A32: Capacity transfer notification A40 ITR Designation	A34: Capacity rights	A33: Authorised AAC	A35: Minimum authorised AAC	A36: Maximum authorised AAC	A55: Use it or sell it pricing A56: Resale compensation following cancellation A58: Rights curtailment A59: Use it or sell it compensation Axx: Auction cancellation Axx:
Business type									
RightsHolder	M	M	M	M	M	M	M	M	M
Transferee			M	M					
Previous Contract Identification			M						
AuctionIdentification	M								

1688

1689 Note: when using Document Type A23 the Business Type A33, Authorised AAC, is  
1690 generally sufficient to provide the maximum amount of AAC available for nomination.  
1691 However, if the Business Type A35, Minimum authorized AAC, is used then the Business  
1692 Type A36, Maximum Authorised AAC must be used in the place of A33.

### 1693 8.8.2.1 DOCUMENT IDENTIFICATION

ACTION	DESCRIPTION
<b>Definition of element</b>	Unique identification of the document for which the time series data is being supplied.
<b>Description</b>	A Rights Document covers a given set of time series and a given bid period must have a unique identification assigned by the sender of the document for all transmissions to the receiver. All additions, modifications, or suppressions for the time series and bid period must use the same identification.
<b>Size</b>	The identification of a document may not exceed 35 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None

1694 **8.8.2.2 DOCUMENTVERSION**

ACTION	DESCRIPTION
<b>Definition of element</b>	Version of the document being sent. A document may be sent several times, each transmission being identified by a different version number that starts at 1 and increases sequentially.
<b>Description</b>	The document version is used to identify a given version of a time series set for a given bid period. 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 should ensure that the version number for a document is superior to the previous version number received.
<b>Size</b>	A version number may not exceed 3 numeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1695 **8.8.2.3 DOCUMENTTYPE**

ACTION	DESCRIPTION
<b>Definition of element</b>	The coded type of the document being sent.
<b>Description</b>	The document type identifies the information flow characteristics. The initial code to be used is: A19: Capacity for Resale A20: Approved Capacity Transfer A21: Capacity transfer notification A22: Transmission rights portfolio A23: Allocations A62: Compensation rights <b>Refer to ENTSO-E Core Component Code list document for valid codes.</b>
<b>Size</b>	The document type value must be exactly 3 alphanumeric characters (no blanks).
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1696 **8.8.2.4 SENDERIDENTIFICATION – CODINGScheme**

ACTION	DESCRIPTION
<b>Definition of element</b>	Identification of the party that is the owner of the document and is responsible for its content.
<b>Description</b>	<p>The sender 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 and who is responsible for its content. The Rights Document may be sent by a Capacity Trader to inform the Auction Office of a transfer of rights. It may also be sent by the auction Office to inform the Nomination Validator of the parties who have transmission rights for a given period. The Nomination Validator may also use this document to inform an Interconnection Trade Responsible of the rights he may use for nomination.</p> <p>The codification scheme used for the coded identification is indicated by the coding scheme attribute.</p> <p><b>Refer to ENTSO-E Core Component Code list document for valid coding scheme codes.</b></p>
<b>Size</b>	<p>The maximum length of a sender’s identification is 16 alphanumeric characters.</p> <p>The maximum length of the coding scheme code is 3 alphanumeric characters.</p>
<b>Applicability</b>	Both the identification and the coding scheme are mandatory.
<b>Dependence requirements</b>	None.

1697 **8.8.2.5 SENDERROLE**

ACTION	DESCRIPTION
<b>Definition of element</b>	Identification of the role that is played by the sender.
<b>Description</b>	<p>The sender role, which identifies the role of the sender within the document.</p> <p><b>Refer to ENTSO-E Core Component Code list document for valid role codes.</b></p>
<b>Size</b>	The maximum length of a sender role is 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1698 **8.8.2.6 RECEIVERIDENTIFICATION – CODINGScheme**

ACTION	DESCRIPTION
<b>Definition of element</b>	Identification of the party who is receiving the document.
<b>Description</b>	The receiver of the document is identified by a unique coded identification. This may be the Transmission Capacity Allocator the Nomination Validator or the Interconnection Trade Responsible depending on the context. The codification scheme used for the coded identification is indicated by the coding scheme attribute. <b>Refer to ENTSO-E Core Component Code list document for valid coding scheme codes.</b>
<b>Size</b>	The maximum length of a receiver's identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
<b>Applicability</b>	Both the identification and the coding scheme are mandatory.
<b>Dependence requirements</b>	None.

1699 **8.8.2.7 RECEIVERROLE**

ACTION	DESCRIPTION
<b>Definition of element</b>	Identification of the role played by the receiver.
<b>Description</b>	The receiver role, which identifies the role of the receiver within the document. <b>Refer to ENTSO-E Core Component Code list document for valid role codes.</b>
<b>Size</b>	The maximum length of a receiver role is 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1700 **8.8.2.8 CREATIONDATETIME**

ACTION	DESCRIPTION
<b>Definition of element</b>	Date and time of the creation of the document.
<b>Description</b>	The date and time that the document was prepared for transmission by the application of the sender.
<b>Size</b>	The date and time must be expressed in UTC as YYYY-MM-DDTHH:MM:SSZ.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1701 **8.8.2.9 APPLICABLE TIME INTERVAL**

ACTION	DESCRIPTION
<b>Definition of element</b>	The beginning and ending date and time of the period covered by the document.
<b>Description</b>	This information provides the start and end date and time of the applicable period covered.
<b>Size</b>	The start and end date and time must be expressed in UTC as YYYY-MM-DDTHH:MMZ/YYYY-MM-DDTHH:MMZ.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1702 **8.8.2.10 DOMAIN - CODING SCHEME**

ACTION	DESCRIPTION
<b>Definition of element</b>	The domain covered within the Rights Document.
<b>Description</b>	The identification of the domain that is covered in the Rights Document. The codification scheme used for the coded identification is indicated by the coding scheme attribute. <b>Refer to ENTSO-E Core Component Code list document for the valid list of codes.</b>
<b>Size</b>	The maximum length of this information is 18 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
<b>Applicability</b>	Both the identification and the coding scheme are mandatory.
<b>Dependence requirements</b>	None

1703 **8.8.2.11 DOCUMENT STATUS**

ACTION	DESCRIPTION
<b>Definition of element</b>	The status of the rights document.
<b>Description</b>	The status of a rights document may be intermediate until gate closure then it becomes final. <b>Refer to ENTSO-E Core Component Code list document for the valid list of codes.</b>
<b>Size</b>	The maximum length of this information is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None

## 1704 8.8.3 RULES GOVERNING THE RIGHTS TIME SERIES CLASS

### 1705 8.8.3.1 TIME SERIES IDENTIFICATION

ACTION	DESCRIPTION
<b>Definition of element</b>	The identification of the time series instance.  This must be a unique number that is assigned by the sender for each time series in the document
<b>Description</b>	An identification that uniquely identified the time series.
<b>Size</b>	The maximum size of a time series identification is 35 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

### 1706 8.8.3.2 BUSINESS TYPE

ACTION	DESCRIPTION
<b>Definition of element</b>	Identifies the nature of the time series.
<b>Description</b>	The nature of the time series concerning the rights. A40: ITR Designation A32: Capacity transfer notification A33: Authorised AAC A34: Capacity rights A35: Minimum authorised AAC A36: Maximum authorised AAC A41: Released AAC A55: Use it or sell it pricing A56: Resale compensation following cancelation A58: Rights curtailment A59: Use it or sell it compensation A70: Capacity rights not nominated A83: Auction cancelation A84: Nomination curtailment
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1707 **8.8.3.3 INAREA – CODINGScheme**

ACTION	DESCRIPTION
<b>Definition of element</b>	The area where the energy is to be put.
<b>Description</b>	The identification of the area where the energy is going. The codification scheme used for the coded identification is indicated by the coding scheme attribute. <b>Refer to ENTSO-E Core Component Code list document for valid coding scheme codes.</b>
<b>Size</b>	The maximum length of the area code is 18 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
<b>Applicability</b>	Both the identification and the coding scheme are mandatory.
<b>Dependence requirements</b>	None

1708 **8.8.3.4 OUTAREA – CODINGScheme**

ACTION	DESCRIPTION
<b>Definition of element</b>	The area where the energy is coming from.
<b>Description</b>	The identification of the area where the energy originates. The codification scheme used for the coded identification is indicated by the coding scheme attribute. <b>Refer to ENTSO-E Core Component Code list document for valid coding scheme codes.</b>
<b>Size</b>	The maximum length of the area code is 18 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
<b>Applicability</b>	Both the identification and the coding scheme are mandatory.
<b>Dependence requirements</b>	None

1709 **8.8.3.5 RIGHTSHOLDER – CODINGScheme**

ACTION	DESCRIPTION
<b>Definition of element</b>	Identification of the party who is owner of, or has the right to use, the transmission rights in question.
<b>Description</b>	The Rights Holder is identified by a unique coded identification. Whenever rights are transferred, the Rights Holder is the transferor of the rights. The codification scheme used for the coded identification is indicated by the coding scheme attribute. <b>Refer to ENTSO-E Core Component Code list document for valid coding scheme codes.</b>
<b>Size</b>	The maximum length of a rights holder's identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
<b>Applicability</b>	Both the identification and the coding scheme are dependent.
<b>Dependence requirements</b>	See the dependency matrix.

1710 **8.8.3.6 TRANSFEREEPARTY – CODINGScheme**

ACTION	DESCRIPTION
<b>Definition of element</b>	Identification of the party to whom the rights are being transferred or the Interconnection Trade Responsible designated by the transferor (as designated in the RightsHolder attribute) to use the rights.
<b>Description</b>	The Transferee party is identified by a unique coded identification. In certain cases the transferee party also acts as Interconnection Trade Responsible The codification scheme used for the coded identification is indicated by the coding scheme attribute. <b>Refer to ENTSO-E Core Component Code list document for valid coding scheme codes.</b>
<b>Size</b>	The maximum length of a transferee party's identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
<b>Applicability</b>	Both the identification and the coding scheme are dependent..
<b>Dependence requirements</b>	See the dependency matrix

1711 **8.8.3.7 CONTRACTIDENTIFICATION**

ACTION	DESCRIPTION
<b>Definition of element</b>	The contract identification of the time series instance.  This must be the number that has been assigned by the Transmission Capacity Allocator.
<b>Description</b>	An identification that uniquely identifies the allocation.
<b>Size</b>	The maximum size of a contract identification is 35 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1712 **8.8.3.8 CONTRACTTYPE**

ACTION	DESCRIPTION
<b>Definition of element</b>	The contract type defines the conditions under which the rights were allocated and handled.  e.g.: daily auction, weekly auction, monthly auction, yearly auction, Long term contract, etc.  The significance of this type is dependent on the in area and out area specific coded working methods.  The Transmission Capacity Allocator responsible for the area in question auctions defines the contract type to be used.
<b>Description</b>	This information defines the conditions under which the capacity was allocated and handled. <b>Refer to ENTSO-E Core Component Code list document for the valid list of codes.</b>
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory
<b>Dependence requirements</b>	None.

1713 **8.8.3.9 PREVIOUSCONTRACTIDENTIFICATION**

ACTION	DESCRIPTION
<b>Definition of element</b>	The identification of a previous contract used to identify the transfer rights.
<b>Description</b>	This information identifies the previous identification that was used to identify the rights.
<b>Size</b>	The maximum length of this information is 35 alphanumeric characters.
<b>Applicability</b>	This information is dependent
<b>Dependence requirements</b>	The identification is only provided if there was a previous identification used

1714 **8.8.3.10 MEASUREUNITQUANTITY**

ACTION	DESCRIPTION
<b>Definition of element</b>	The unit of measure that is applied to the quantities in which the time series is expressed.
<b>Description</b>	The unit if measurement used for the quantities expressed within the time series. <b>Refer to ENTSO-E Core Component Code list document for valid codes.</b>
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1715 **8.8.3.11 AUCTIONIDENTIFICATION**

ACTION	DESCRIPTION
<b>Definition of element</b>	The identification linking the capacity rights to a set of specifications created by the Transmission Capacity Allocator.
<b>Description</b>	A unique identification of the set of specifications that clearly defines the auction to which the capacity rights submitted by the Capacity Trader are to be re-auctioned.
<b>Size</b>	The maximum size of an auction identification is 35 alphanumeric characters.
<b>Applicability</b>	This information is dependent.
<b>Dependence requirements</b>	Its use is dependent on local market rules.

1716 **8.8.3.12 CURRENCY**

ACTION	DESCRIPTION
<b>Definition of element</b>	The currency in which the monetary amount is expressed.
<b>Description</b>	The currency used for the monetary amount expressed within the time series. <b>Refer to ENTSO-E Core Component Code list document for valid codes.</b>
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters respecting the standard ISO 4217.
<b>Applicability</b>	This information is dependent
<b>Dependence requirements</b>	A currency is required only if there is a Price Amount specified

1717 **8.8.3.13 MEASUREUNITPRICE**

ACTION	DESCRIPTION
<b>Definition of element</b>	The unit of measure in which the price in the time series is expressed (MW per unit, MWh per unit, etc.).
<b>Description</b>	The unit if measurement used for the price expressed within the time series. (MW per unit (code MAW), MWh per unit (code MWH), etc.). <b>Refer to ENTSO-E Core Component Code list document for valid codes.</b>
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters.
<b>Applicability</b>	This information is Dependent
<b>Dependence requirements</b>	A Measure Unit Price is required only if there is a Price Amount specified

1718 **8.8.3.14 CURVETYPE**

ACTION	DESCRIPTION
<b>Definition of element</b>	The coded representation of the type of curve being described.
<b>Description</b>	This represents the coded identification of the curve that is described in the Period and Interval class. The following CurveType codes are permitted: A01 = Sequential fixed sized blocks (default). A03 = Variable Block. <i>One or more Periods where only the positions representing a block level change are present within TimeInterval of the Period. The resolution corresponds to the smallest interval where a block level change may occur. A block consists of a consistent volume from the current position through to the Start Date Time of the next block.</i> The curve types are described in the document reference [2].
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters.
<b>Applicability</b>	This information is dependent.
<b>Dependence requirements</b>	The CurveType may be used to provide profile information or reduced time interval content..

1719 **8.8.4 RULES GOVERNING THE PERIOD CLASS**

1720 There may be several period classes for a time series. The overall time interval covered  
1721 by the period shall be within the complete rights time interval.

1722 The number of periods within a time series as characterized by the resolution must  
1723 completely cover the period's time interval.

1724 If a time series is suppressed then the interval quantities are all zeroed out.

1725 A sender's minimal resolution must respect market rules.

1726 **8.8.4.1 TIMEINTERVAL**

ACTION	DESCRIPTION
<b>Definition of element</b>	The start and end date and time of the time interval of the period in question.
<b>Description</b>	This information provides the start and end date and time of the period being reported.
<b>Size</b>	The start and end date and time must be expressed in UTC in compliance with the following format: YYYY-MM-DDTHH:MMZ/YYYY-MM-DDTHH:MMZ.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1727 **8.8.4.2 RESOLUTION**

ACTION	DESCRIPTION
<b>Definition of element</b>	The resolution defining the number of periods that the time interval is divided.
<b>Description</b>	This information defines the resolution of a single period. The time interval must contain a whole number of periods as expressed by the resolution.
<b>Size</b>	The resolution is expressed in compliance with ISO 8601 in the following format:  PnYnMnDTnHnMnS.  Where nY expresses a number of years, nM a number of months, nD a number of days. The letter "T" separates the date expression from the time expression and after it nH identifies a number of hours, nM a number of minutes and nS a number of seconds. For example PT15M expresses a 15 minute resolution.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1728 **8.8.5 RULES GOVERNING THE INTERVAL CLASS**

1729 The interval class contains the relative position within a time interval period, the quantities  
1730 allocated associated with that position and the unit price that corresponds to the quantity  
1731 to be nominated.

1732 The position must begin with 1 and increment by 1 for each subsequent position forming a  
1733 series of contiguous numbers covering the complete range of the period.

1734 Any leading zeros in a position shall be suppressed.

1735 Negative values are not allowed in time series quantities

1736 Leading zeros in a quantity shall be suppressed before transmission.

1737 **8.8.5.1 Pos**

ACTION	DESCRIPTION
<b>Definition of element</b>	The relative position of a period within an interval.
<b>Description</b>	This information provides the relative position of a period within an interval.
<b>Size</b>	The relative position must be expressed as a numeric integer value beginning with 1. All leading zeros must be suppressed. The maximum number of characters is 6.
<b>Applicability</b>	This information is mandatory.
<b>Dependence requirements</b>	None.

1738 **8.8.5.2 QTY**

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

1739 **8.8.5.3 PRICE**

ACTION	DESCRIPTION
<b>Definition of element</b>	The price expressed for each unit of quantity as the minimum selling price
<b>Description</b>	The price indicated in a resale document equal to or above which the quantity may be sold. This information defines the price expressed in the unit of measurement of Price per unit of quantity in compliance with the pricing scheme based on local market rules. The decimal mark that separates the digits forming the integral part of a number from those forming the fractional part (ISO 6093) shall always be a period (“.”).
<b>Size</b>	The maximum length of this information is 17 numeric characters (decimal mark and sign, if used included).
<b>Applicability</b>	This information is dependent.
<b>Dependence requirements</b>	The Price Amount is mandatory in the case of the resale of capacity for a minimum price depending on local market rules.

1740 **8.8.6 RULES GOVERNING THE REASON CLASS**

1741 The Reason class may provide any coded or textual information that is necessary to  
1742 completely describe the conditions of the rights that are defined.

1743 **8.8.6.1 REASONCODE**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	A code providing the status of the rights.
<b>Description</b>	The reason code provides the status of the rights identified. As many reason elements as necessary may be used. A75: Rights status information. A97: Force majeure curtailment A98: Network security curtailment Other codes in the ENTSO-E Core Component Code list may be used as required
<b>Size</b>	The maximum length of this information is 3 alphanumeric characters.
<b>Applicability</b>	This information is dependent.
<b>Dependence requirements</b>	This information is at the time series level to provide related explanatory information.

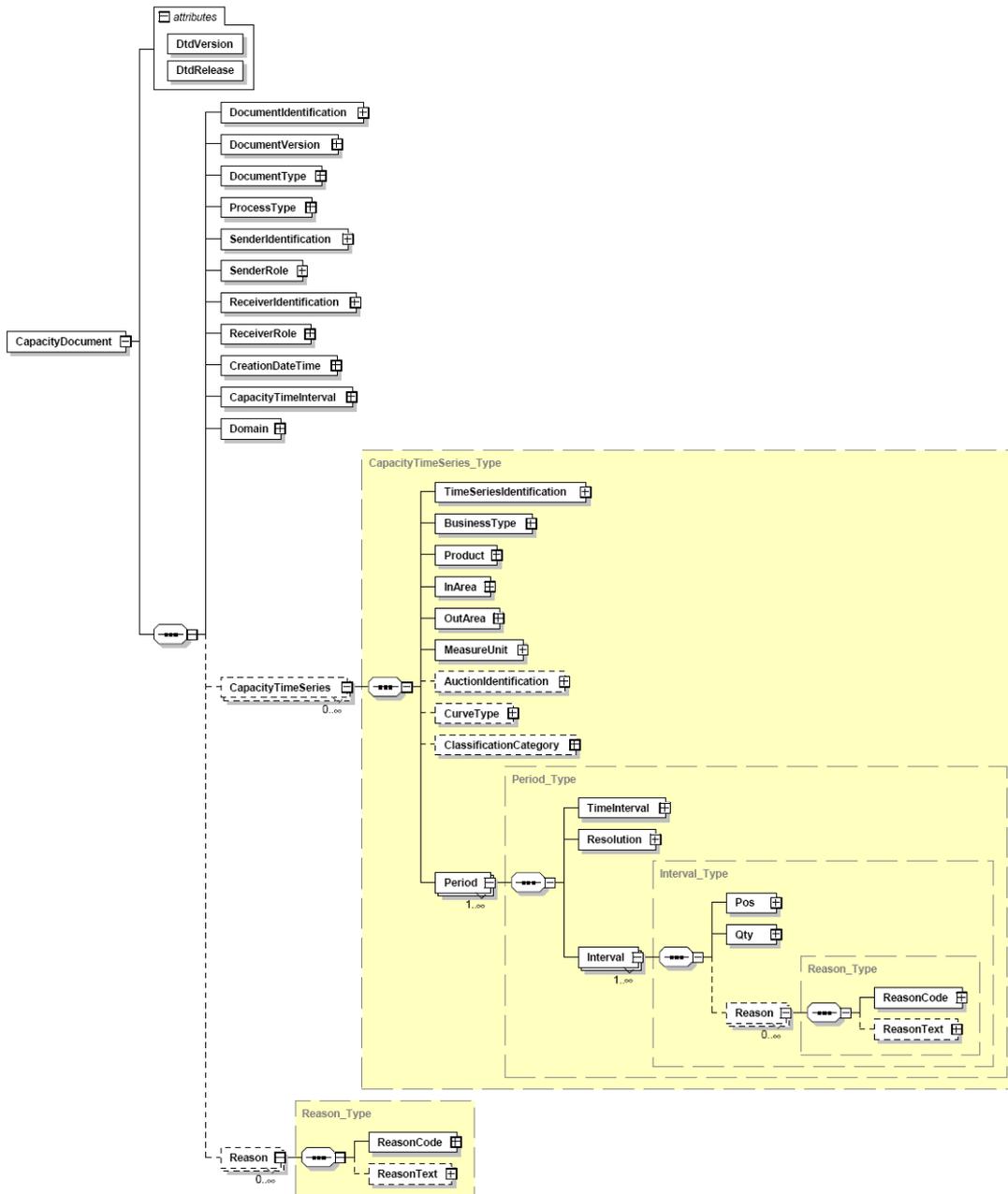
1744 **8.8.6.2 REASONTXT**

<b>ACTION</b>	<b>DESCRIPTION</b>
<b>Definition of element</b>	Textual explanation of the reason code.
<b>Description</b>	If the code does not provide all the information to clearly identify the justification of the allocation then the textual information may be provided.
<b>Size</b>	The maximum length of this information is 512 alphanumeric characters.
<b>Applicability</b>	This information is dependent.
<b>Dependence requirements</b>	Used only if the reason code is insufficient to identify an error.

1745 **9 XML DEFINITIONS**

1746 **9.1 CAPACITY DOCUMENT**

1747 **9.1.1 SCHEMA STRUCTURE**



1748

1749

**FIGURE 29: CAPACITY DOCUMENT – XML SCHEMA MODEL**

## 1750 9.1.2 SCHEMA DEFINITION

```

1751 <?xml version="1.0" encoding="UTF-8"?>
1752 <xsd:schema xmlns:ecc="etso-core-cmpts.xsd" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
1753 elementFormDefault="qualified" attributeFormDefault="unqualified" ecc:VersionRelease="13.0">
1754   <xsd:import namespace="etso-core-cmpts.xsd" schemaLocation="etso-core-cmpts.xsd"/>
1755   <!--
1756           ENTSO-E Document Automatically generated from a UML class diagram using XML.
1757           Generation tool version 1.7
1758   -->
1759   <xsd:complexType name="Period_Type">
1760     <xsd:annotation>
1761       <xsd:documentation/>
1762     </xsd:annotation>
1763     <xsd:sequence>
1764       <xsd:element name="TimeInterval" type="ecc:TimeIntervalType">
1765         <xsd:annotation>
1766           <xsd:documentation/>
1767         </xsd:annotation>
1768       </xsd:element>
1769       <xsd:element name="Resolution" type="ecc:ResolutionType">
1770         <xsd:annotation>
1771           <xsd:documentation/>
1772         </xsd:annotation>
1773       </xsd:element>
1774       <xsd:element name="Interval" type="Interval_Type" maxOccurs="unbounded"/>
1775     </xsd:sequence>
1776   </xsd:complexType>
1777   <xsd:complexType name="Interval_Type">
1778     <xsd:annotation>
1779       <xsd:documentation/>
1780     </xsd:annotation>
1781     <xsd:sequence>
1782       <xsd:element name="Pos" type="ecc:PositionType">
1783         <xsd:annotation>
1784           <xsd:documentation/>
1785         </xsd:annotation>
1786       </xsd:element>
1787       <xsd:element name="Qty" type="ecc:QuantityType">
1788         <xsd:annotation>
1789           <xsd:documentation/>
1790         </xsd:annotation>
1791       </xsd:element>
1792       <xsd:element name="Reason" type="Reason_Type" minOccurs="0" maxOccurs="unbounded"/>
1793     </xsd:sequence>
1794   </xsd:complexType>
1795   <xsd:complexType name="CapacityTimeSeries_Type">
1796     <xsd:annotation>
1797       <xsd:documentation/>
1798     </xsd:annotation>
1799     <xsd:sequence>
1800       <xsd:element name="TimeSeriesIdentification" type="ecc:IdentificationType">
1801         <xsd:annotation>
1802           <xsd:documentation/>
1803         </xsd:annotation>
1804       </xsd:element>
1805       <xsd:element name="BusinessType" type="ecc:BusinessType">
1806         <xsd:annotation>
1807           <xsd:documentation/>
1808         </xsd:annotation>
1809       </xsd:element>
1810       <xsd:element name="Product" type="ecc:EnergyProductType">
1811         <xsd:annotation>
1812           <xsd:documentation/>
1813         </xsd:annotation>
1814       </xsd:element>
1815       <xsd:element name="InArea" type="ecc:AreaType">
1816         <xsd:annotation>
1817           <xsd:documentation/>
1818         </xsd:annotation>

```

```

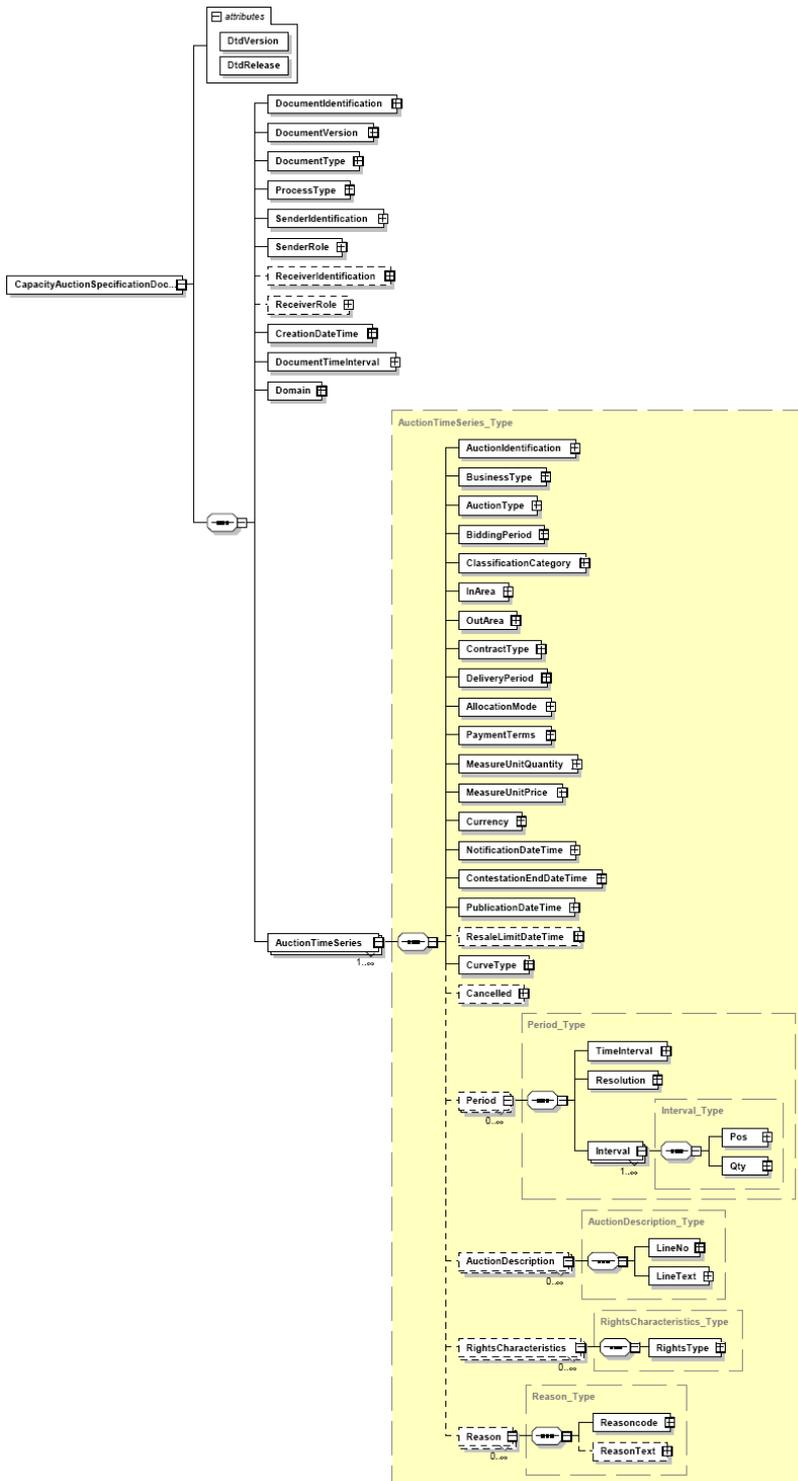
1819     </xsd:element>
1820     <xsd:element name="OutArea" type="ecc:AreaType">
1821         <xsd:annotation>
1822             <xsd:documentation/>
1823         </xsd:annotation>
1824     </xsd:element>
1825     <xsd:element name="MeasureUnit" type="ecc:UnitOfMeasureType">
1826         <xsd:annotation>
1827             <xsd:documentation/>
1828         </xsd:annotation>
1829     </xsd:element>
1830     <xsd:element name="AuctionIdentification" type="ecc:IdentificationType" minOccurs="0">
1831         <xsd:annotation>
1832             <xsd:documentation/>
1833         </xsd:annotation>
1834     </xsd:element>
1835     <xsd:element name="CurveType" type="ecc:CurveType" minOccurs="0">
1836         <xsd:annotation>
1837             <xsd:documentation/>
1838         </xsd:annotation>
1839     </xsd:element>
1840     <xsd:element name="ClassificationCategory" type="ecc:CategoryType" minOccurs="0">
1841         <xsd:annotation>
1842             <xsd:documentation/>
1843         </xsd:annotation>
1844     </xsd:element>
1845     <xsd:element name="Period" type="Period_Type" maxOccurs="unbounded"/>
1846 </xsd:sequence>
1847 </xsd:complexType>
1848 <xsd:element name="CapacityDocument">
1849     <xsd:complexType>
1850         <xsd:annotation>
1851             <xsd:documentation/>
1852         </xsd:annotation>
1853     <xsd:sequence>
1854         <xsd:element name="DocumentIdentification" type="ecc:IdentificationType">
1855             <xsd:annotation>
1856                 <xsd:documentation/>
1857             </xsd:annotation>
1858         </xsd:element>
1859         <xsd:element name="DocumentVersion" type="ecc:VersionType">
1860             <xsd:annotation>
1861                 <xsd:documentation/>
1862             </xsd:annotation>
1863         </xsd:element>
1864         <xsd:element name="DocumentType" type="ecc:MessageType">
1865             <xsd:annotation>
1866                 <xsd:documentation/>
1867             </xsd:annotation>
1868         </xsd:element>
1869         <xsd:element name="ProcessType" type="ecc:ProcessType">
1870             <xsd:annotation>
1871                 <xsd:documentation/>
1872             </xsd:annotation>
1873         </xsd:element>
1874         <xsd:element name="SenderIdentification" type="ecc:PartyType">
1875             <xsd:annotation>
1876                 <xsd:documentation/>
1877             </xsd:annotation>
1878         </xsd:element>
1879         <xsd:element name="SenderRole" type="ecc:RoleType">
1880             <xsd:annotation>
1881                 <xsd:documentation/>
1882             </xsd:annotation>
1883         </xsd:element>
1884         <xsd:element name="ReceiverIdentification" type="ecc:PartyType">
1885             <xsd:annotation>
1886                 <xsd:documentation/>
1887             </xsd:annotation>
1888         </xsd:element>
1889         <xsd:element name="ReceiverRole" type="ecc:RoleType">
    
```

```

1890         <xsd:annotation>
1891             <xsd:documentation/>
1892         </xsd:annotation>
1893     </xsd:element>
1894     <xsd:element name="CreationDateTime" type="ecc:MessageDateTimeType">
1895         <xsd:annotation>
1896             <xsd:documentation/>
1897         </xsd:annotation>
1898     </xsd:element>
1899     <xsd:element name="CapacityTimeInterval" type="ecc:TimeIntervalType">
1900         <xsd:annotation>
1901             <xsd:documentation/>
1902         </xsd:annotation>
1903     </xsd:element>
1904     <xsd:element name="Domain" type="ecc:AreaType">
1905         <xsd:annotation>
1906             <xsd:documentation/>
1907         </xsd:annotation>
1908     </xsd:element>
1909     <xsd:element name="CapacityTimeSeries" type="CapacityTimeSeries_Type"
1910 minOccurs="0" maxOccurs="unbounded"/>
1911     <xsd:element name="Reason" type="Reason_Type" minOccurs="0"
1912 maxOccurs="unbounded"/>
1913     </xsd:sequence>
1914     <xsd:attribute name="DtdVersion" type="xsd:string" use="required"/>
1915     <xsd:attribute name="DtdRelease" type="xsd:string" use="required"/>
1916 </xsd:complexType>
1917 </xsd:element>
1918 <xsd:complexType name="Reason_Type">
1919     <xsd:annotation>
1920         <xsd:documentation/>
1921     </xsd:annotation>
1922     <xsd:sequence>
1923         <xsd:element name="ReasonCode" type="ecc:ReasonCodeType">
1924             <xsd:annotation>
1925                 <xsd:documentation/>
1926             </xsd:annotation>
1927         </xsd:element>
1928         <xsd:element name="ReasonText" type="ecc:ReasonTextType" minOccurs="0">
1929             <xsd:annotation>
1930                 <xsd:documentation/>
1931             </xsd:annotation>
1932         </xsd:element>
1933     </xsd:sequence>
1934 </xsd:complexType>
1935 </xsd:schema>
    
```

1936 **9.2 CAPACITY AUCTION SPECIFICATION**

1937 **9.2.1 SCHEMA STRUCTURE**



1938

1939

**FIGURE 30: CAPACITY AUCTION SPECIFICATION SCHEMA MODEL**

1940 9.2.2 SCHEMA DEFINITION

```

1941 <?xml version="1.0" encoding="UTF-8"?>
1942 <xsd:schema xmlns:ecc="etso-core-cmpts.xsd" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
1943 elementFormDefault="qualified" attributeFormDefault="unqualified" ecc:VersionRelease="13.0">
1944   <xsd:import namespace="etso-core-cmpts.xsd" schemaLocation="etso-core-cmpts.xsd"/>
1945   <!--
1946           ENTSO-E Document Automatically generated from a UML class diagram using XML.
1947           Generation tool version 1.7
1948   -->
1949   <xsd:complexType name="Interval_Type">
1950     <xsd:annotation>
1951       <xsd:documentation/>
1952     </xsd:annotation>
1953     <xsd:sequence>
1954       <xsd:element name="Pos" type="ecc:PositionType">
1955         <xsd:annotation>
1956           <xsd:documentation/>
1957         </xsd:annotation>
1958       </xsd:element>
1959       <xsd:element name="Qty" type="ecc:QuantityType">
1960         <xsd:annotation>
1961           <xsd:documentation/>
1962         </xsd:annotation>
1963       </xsd:element>
1964     </xsd:sequence>
1965   </xsd:complexType>
1966   <xsd:complexType name="Period_Type">
1967     <xsd:annotation>
1968       <xsd:documentation/>
1969     </xsd:annotation>
1970     <xsd:sequence>
1971       <xsd:element name="TimeInterval" type="ecc:TimeIntervalType">
1972         <xsd:annotation>
1973           <xsd:documentation/>
1974         </xsd:annotation>
1975       </xsd:element>
1976       <xsd:element name="Resolution" type="ecc:ResolutionType">
1977         <xsd:annotation>
1978           <xsd:documentation/>
1979         </xsd:annotation>
1980       </xsd:element>
1981       <xsd:element name="Interval" type="Interval_Type" maxOccurs="unbounded"/>
1982     </xsd:sequence>
1983   </xsd:complexType>
1984   <xsd:complexType name="AuctionTimeSeries_Type">
1985     <xsd:annotation>
1986       <xsd:documentation/>
1987     </xsd:annotation>
1988     <xsd:sequence>
1989       <xsd:element name="AuctionIdentification" type="ecc:IdentificationType">
1990         <xsd:annotation>
1991           <xsd:documentation/>
1992         </xsd:annotation>
1993       </xsd:element>
1994       <xsd:element name="BusinessType" type="ecc:BusinessType">
1995         <xsd:annotation>
1996           <xsd:documentation/>
1997         </xsd:annotation>
1998       </xsd:element>
1999       <xsd:element name="AuctionType" type="ecc:AuctionType">
2000         <xsd:annotation>
2001           <xsd:documentation/>
2002         </xsd:annotation>
2003       </xsd:element>
2004       <xsd:element name="BiddingPeriod" type="ecc:TimeIntervalType">
2005         <xsd:annotation>
2006           <xsd:documentation/>
2007         </xsd:annotation>
2008     </xsd:sequence>

```

```

2009      <xsd:element name="ClassificationCategory" type="ecc:CategoryType">
2010          <xsd:annotation>
2011              <xsd:documentation/>
2012          </xsd:annotation>
2013      </xsd:element>
2014      <xsd:element name="InArea" type="ecc:AreaType">
2015          <xsd:annotation>
2016              <xsd:documentation/>
2017          </xsd:annotation>
2018      </xsd:element>
2019      <xsd:element name="OutArea" type="ecc:AreaType">
2020          <xsd:annotation>
2021              <xsd:documentation/>
2022          </xsd:annotation>
2023      </xsd:element>
2024      <xsd:element name="ContractType" type="ecc:ContractType">
2025          <xsd:annotation>
2026              <xsd:documentation/>
2027          </xsd:annotation>
2028      </xsd:element>
2029      <xsd:element name="DeliveryPeriod" type="ecc:TimeIntervalType">
2030          <xsd:annotation>
2031              <xsd:documentation/>
2032          </xsd:annotation>
2033      </xsd:element>
2034      <xsd:element name="AllocationMode" type="ecc:AllocationModeType">
2035          <xsd:annotation>
2036              <xsd:documentation/>
2037          </xsd:annotation>
2038      </xsd:element>
2039      <xsd:element name="PaymentTerms" type="ecc:PaymentTermsType">
2040          <xsd:annotation>
2041              <xsd:documentation/>
2042          </xsd:annotation>
2043      </xsd:element>
2044      <xsd:element name="MeasureUnitQuantity" type="ecc:UnitOfMeasureType">
2045          <xsd:annotation>
2046              <xsd:documentation/>
2047          </xsd:annotation>
2048      </xsd:element>
2049      <xsd:element name="MeasureUnitPrice" type="ecc:UnitOfMeasureType">
2050          <xsd:annotation>
2051              <xsd:documentation/>
2052          </xsd:annotation>
2053      </xsd:element>
2054      <xsd:element name="Currency" type="ecc:CurrencyType">
2055          <xsd:annotation>
2056              <xsd:documentation/>
2057          </xsd:annotation>
2058      </xsd:element>
2059      <xsd:element name="NotificationDateTime" type="ecc:MessageDateTimeType">
2060          <xsd:annotation>
2061              <xsd:documentation/>
2062          </xsd:annotation>
2063      </xsd:element>
2064      <xsd:element name="ContestationEndDateTime" type="ecc:MessageDateTimeType">
2065          <xsd:annotation>
2066              <xsd:documentation/>
2067          </xsd:annotation>
2068      </xsd:element>
2069      <xsd:element name="PublicationDateTime" type="ecc:MessageDateTimeType">
2070          <xsd:annotation>
2071              <xsd:documentation/>
2072          </xsd:annotation>
2073      </xsd:element>
2074      <xsd:element name="ResaleLimitDateTime" type="ecc:MessageDateTimeType" minOccurs="0">
2075          <xsd:annotation>
2076              <xsd:documentation/>
2077          </xsd:annotation>
2078      </xsd:element>
2079      <xsd:element name="CurveType" type="ecc:CurveType">
    
```

```

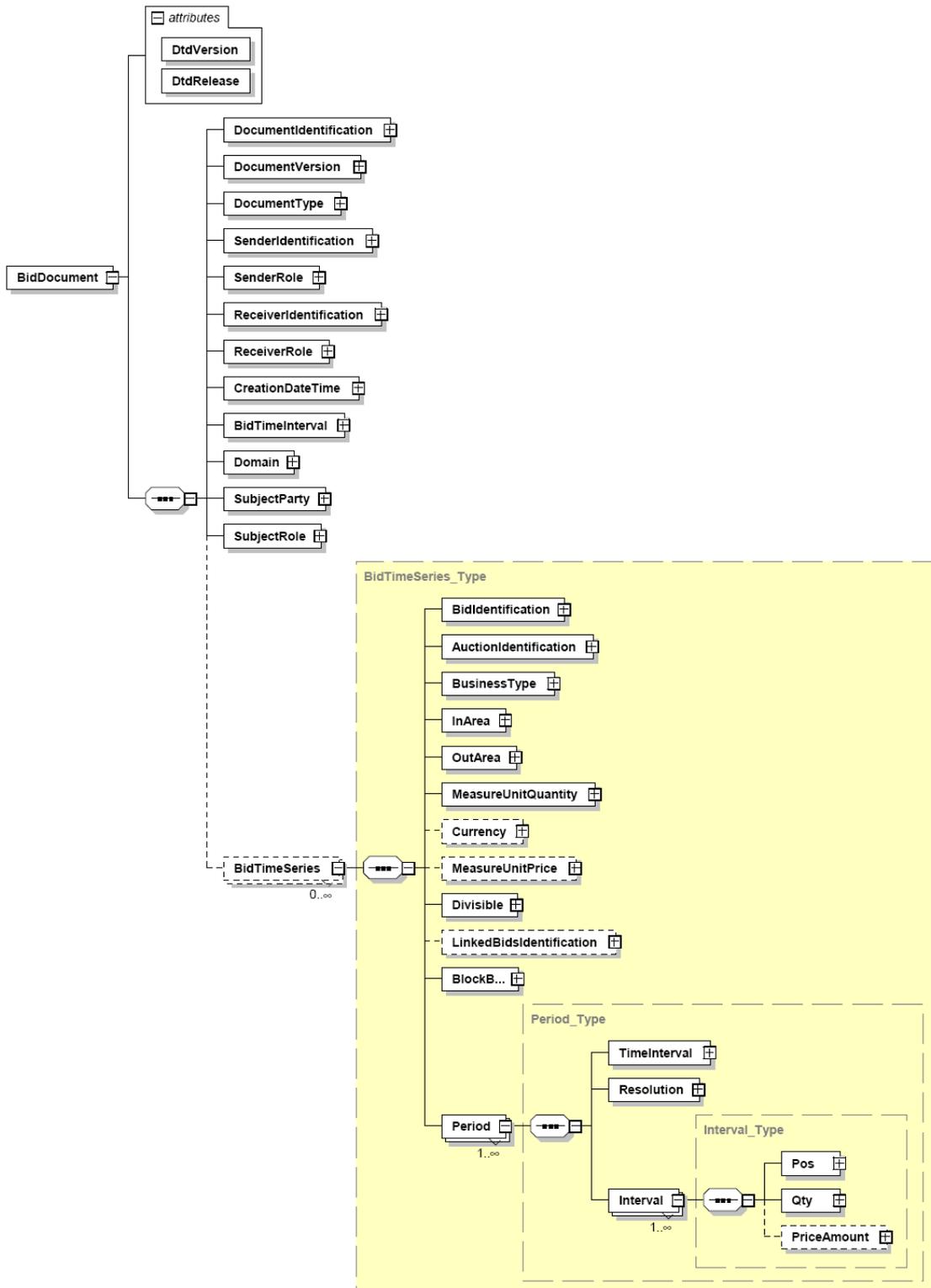
2080         <xsd:annotation>
2081             <xsd:documentation/>
2082         </xsd:annotation>
2083     </xsd:element>
2084     <xsd:element name="Cancelled" type="ecc:IndicatorType" minOccurs="0">
2085         <xsd:annotation>
2086             <xsd:documentation/>
2087         </xsd:annotation>
2088     </xsd:element>
2089     <xsd:element name="Period" type="Period_Type" minOccurs="0" maxOccurs="unbounded"/>
2090     <xsd:element name="AuctionDescription" type="AuctionDescription_Type" minOccurs="0"
2091 maxOccurs="unbounded"/>
2092     <xsd:element name="RightsCharacteristics" type="RightsCharacteristics_Type" minOccurs="0"
2093 maxOccurs="unbounded"/>
2094     <xsd:element name="Reason" type="Reason_Type" minOccurs="0" maxOccurs="unbounded"/>
2095     </xsd:sequence>
2096 </xsd:complexType>
2097 <xsd:element name="CapacityAuctionSpecificationDocument">
2098     <xsd:complexType>
2099         <xsd:annotation>
2100             <xsd:documentation/>
2101         </xsd:annotation>
2102     <xsd:sequence>
2103         <xsd:element name="DocumentIdentification" type="ecc:IdentificationType">
2104             <xsd:annotation>
2105                 <xsd:documentation/>
2106             </xsd:annotation>
2107         </xsd:element>
2108         <xsd:element name="DocumentVersion" type="ecc:VersionType">
2109             <xsd:annotation>
2110                 <xsd:documentation/>
2111             </xsd:annotation>
2112         </xsd:element>
2113         <xsd:element name="DocumentType" type="ecc:MessageType">
2114             <xsd:annotation>
2115                 <xsd:documentation/>
2116             </xsd:annotation>
2117         </xsd:element>
2118         <xsd:element name="ProcessType" type="ecc:ProcessType">
2119             <xsd:annotation>
2120                 <xsd:documentation/>
2121             </xsd:annotation>
2122         </xsd:element>
2123         <xsd:element name="SenderIdIdentification" type="ecc:PartyType">
2124             <xsd:annotation>
2125                 <xsd:documentation/>
2126             </xsd:annotation>
2127         </xsd:element>
2128         <xsd:element name="SenderRole" type="ecc:RoleType">
2129             <xsd:annotation>
2130                 <xsd:documentation/>
2131             </xsd:annotation>
2132         </xsd:element>
2133         <xsd:element name="ReceiverIdentification" type="ecc:PartyType" minOccurs="0">
2134             <xsd:annotation>
2135                 <xsd:documentation/>
2136             </xsd:annotation>
2137         </xsd:element>
2138         <xsd:element name="ReceiverRole" type="ecc:RoleType" minOccurs="0">
2139             <xsd:annotation>
2140                 <xsd:documentation/>
2141             </xsd:annotation>
2142         </xsd:element>
2143         <xsd:element name="CreationDateTime" type="ecc:MessageDateTimeType">
2144             <xsd:annotation>
2145                 <xsd:documentation/>
2146             </xsd:annotation>
2147         </xsd:element>
2148         <xsd:element name="DocumentTimeInterval" type="ecc:TimeIntervalType">
2149             <xsd:annotation>
2150                 <xsd:documentation/>
    
```

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2151         </xsd:annotation>
2152     </xsd:element>
2153     <xsd:element name="Domain" type="ecc:AreaType">
2154         <xsd:annotation>
2155             <xsd:documentation/>
2156         </xsd:annotation>
2157     </xsd:element>
2158     <xsd:element name="AuctionTimeSeries" type="AuctionTimeSeries_Type"
2159 maxOccurs="unbounded"/>
2160         </xsd:sequence>
2161         <xsd:attribute name="DtdVersion" type="xsd:string" use="required"/>
2162         <xsd:attribute name="DtdRelease" type="xsd:string" use="required"/>
2163     </xsd:complexType>
2164 </xsd:element>
2165 <xsd:complexType name="AuctionDescription_Type">
2166     <xsd:annotation>
2167         <xsd:documentation/>
2168     </xsd:annotation>
2169     <xsd:sequence>
2170         <xsd:element name="LineNo" type="ecc:PositionType">
2171             <xsd:annotation>
2172                 <xsd:documentation/>
2173             </xsd:annotation>
2174         </xsd:element>
2175         <xsd:element name="LineText" type="ecc:ReasonTextType">
2176             <xsd:annotation>
2177                 <xsd:documentation/>
2178             </xsd:annotation>
2179         </xsd:element>
2180     </xsd:sequence>
2181 </xsd:complexType>
2182 <xsd:complexType name="RightsCharacteristics_Type">
2183     <xsd:annotation>
2184         <xsd:documentation/>
2185     </xsd:annotation>
2186     <xsd:sequence>
2187         <xsd:element name="RightsType" type="ecc:RightsType">
2188             <xsd:annotation>
2189                 <xsd:documentation/>
2190             </xsd:annotation>
2191         </xsd:element>
2192     </xsd:sequence>
2193 </xsd:complexType>
2194 <xsd:complexType name="Reason_Type">
2195     <xsd:annotation>
2196         <xsd:documentation/>
2197     </xsd:annotation>
2198     <xsd:sequence>
2199         <xsd:element name="Reasoncode" type="ecc:ReasonCodeType">
2200             <xsd:annotation>
2201                 <xsd:documentation/>
2202             </xsd:annotation>
2203         </xsd:element>
2204         <xsd:element name="ReasonText" type="ecc:ReasonTextType" minOccurs="0">
2205             <xsd:annotation>
2206                 <xsd:documentation/>
2207             </xsd:annotation>
2208         </xsd:element>
2209     </xsd:sequence>
2210 </xsd:complexType>
2211 </xsd:schema>
    
```

2212 **9.3 BID DOCUMENT**

2213 **9.3.1 SCHEMA STRUCTURE**



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FIGURE 31: BID DOCUMENT SCHEMA MODEL

2216

### 9.3.2 SCHEMA DEFINITION

2217

```

<?xml version="1.0" encoding="UTF-8"?>
<xsd:schema xmlns:ecc="etso-core-cmpts.xsd" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
elementFormDefault="qualified" attributeFormDefault="unqualified" ecc:VersionRelease="13.0">
  <xsd:import namespace="etso-core-cmpts.xsd" schemaLocation="etso-core-cmpts.xsd"/>
  <!--
      ENTSO-E Document Automatically generated from a UML class diagram using XML.
      Generation tool version 1.7
  -->
  <xsd:complexType name="Interval_Type">
    <xsd:annotation>
      <xsd:documentation/>
    </xsd:annotation>
    <xsd:sequence>
      <xsd:element name="Pos" type="ecc:PositionType">
        <xsd:annotation>
          <xsd:documentation/>
        </xsd:annotation>
      </xsd:element>
      <xsd:element name="Qty" type="ecc:QuantityType">
        <xsd:annotation>
          <xsd:documentation/>
        </xsd:annotation>
      </xsd:element>
      <xsd:element name="PriceAmount" type="ecc:AmountType" minOccurs="0">
        <xsd:annotation>
          <xsd:documentation/>
        </xsd:annotation>
      </xsd:element>
    </xsd:sequence>
  </xsd:complexType>
  <xsd:complexType name="Period_Type">
    <xsd:annotation>
      <xsd:documentation/>
    </xsd:annotation>
    <xsd:sequence>
      <xsd:element name="TimeInterval" type="ecc:TimeIntervalType">
        <xsd:annotation>
          <xsd:documentation/>
        </xsd:annotation>
      </xsd:element>
      <xsd:element name="Resolution" type="ecc:ResolutionType">
        <xsd:annotation>
          <xsd:documentation/>
        </xsd:annotation>
      </xsd:element>
      <xsd:element name="Interval" type="Interval_Type" maxOccurs="unbounded"/>
    </xsd:sequence>
  </xsd:complexType>
  <xsd:complexType name="BidTimeSeries_Type">
    <xsd:annotation>
      <xsd:documentation/>
    </xsd:annotation>
    <xsd:sequence>
      <xsd:element name="BidIdentification" type="ecc:IdentificationType">
        <xsd:annotation>
          <xsd:documentation/>
        </xsd:annotation>
      </xsd:element>
      <xsd:element name="AuctionIdentification" type="ecc:IdentificationType">
        <xsd:annotation>
          <xsd:documentation/>
        </xsd:annotation>
      </xsd:element>
      <xsd:element name="BusinessType" type="ecc:BusinessType">
        <xsd:annotation>
          <xsd:documentation/>
        </xsd:annotation>
      </xsd:element>
    </xsd:sequence>
  </xsd:complexType>
  </xsd:schema>
  
```

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```

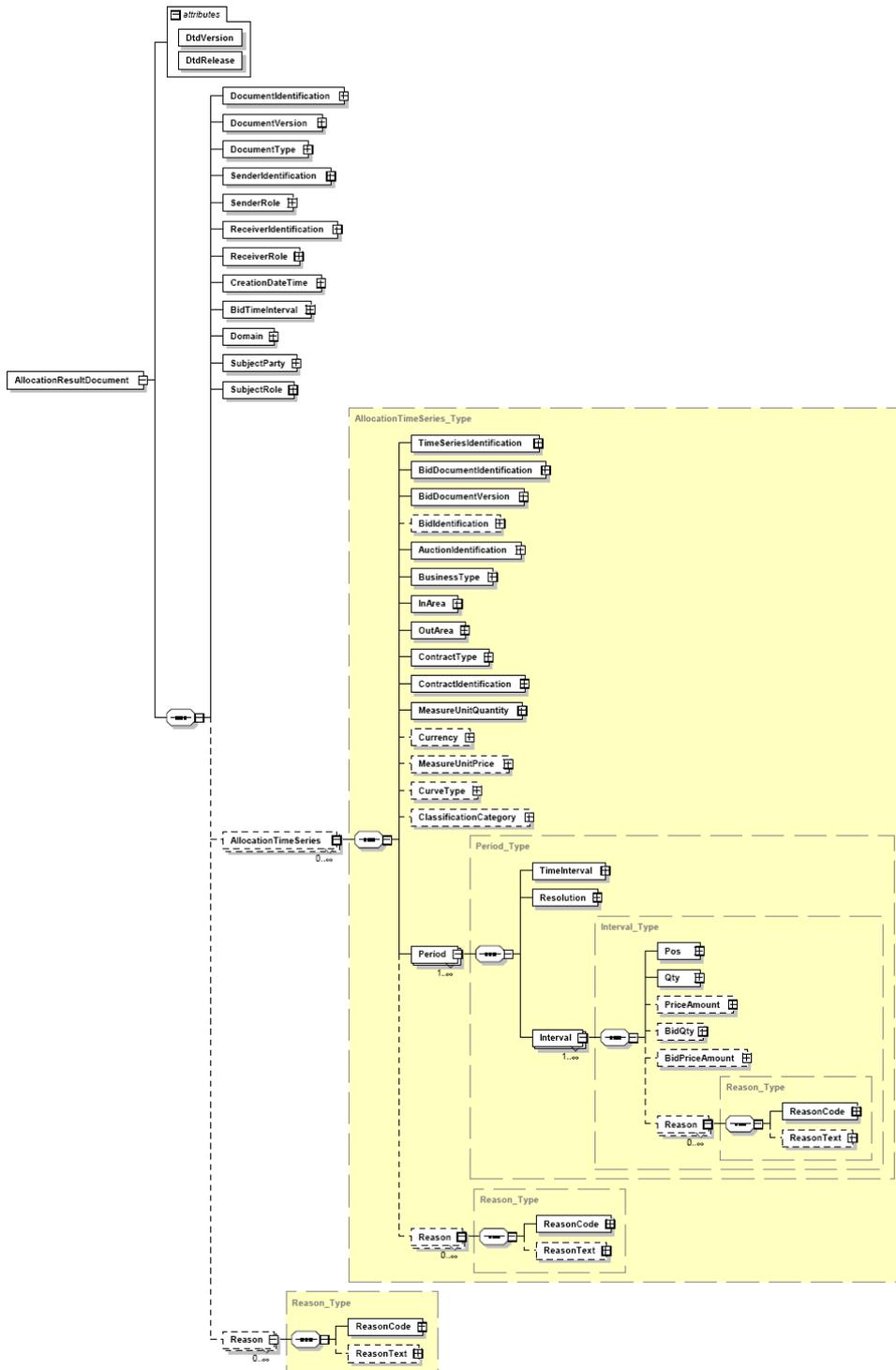
2283         </xsd:annotation>
2284     </xsd:element>
2285     <xsd:element name="InArea" type="ecc:AreaType">
2286         <xsd:annotation>
2287             <xsd:documentation/>
2288         </xsd:annotation>
2289     </xsd:element>
2290     <xsd:element name="OutArea" type="ecc:AreaType">
2291         <xsd:annotation>
2292             <xsd:documentation/>
2293         </xsd:annotation>
2294     </xsd:element>
2295     <xsd:element name="MeasureUnitQuantity" type="ecc:UnitOfMeasureType">
2296         <xsd:annotation>
2297             <xsd:documentation/>
2298         </xsd:annotation>
2299     </xsd:element>
2300     <xsd:element name="Currency" type="ecc:CurrencyType" minOccurs="0">
2301         <xsd:annotation>
2302             <xsd:documentation/>
2303         </xsd:annotation>
2304     </xsd:element>
2305     <xsd:element name="MeasureUnitPrice" type="ecc:UnitOfMeasureType" minOccurs="0">
2306         <xsd:annotation>
2307             <xsd:documentation/>
2308         </xsd:annotation>
2309     </xsd:element>
2310     <xsd:element name="Divisible" type="ecc:IndicatorType">
2311         <xsd:annotation>
2312             <xsd:documentation/>
2313         </xsd:annotation>
2314     </xsd:element>
2315     <xsd:element name="LinkedBidsIdentification" type="ecc:IdentificationType" minOccurs="0">
2316         <xsd:annotation>
2317             <xsd:documentation/>
2318         </xsd:annotation>
2319     </xsd:element>
2320     <xsd:element name="BlockBid" type="ecc:IndicatorType">
2321         <xsd:annotation>
2322             <xsd:documentation/>
2323         </xsd:annotation>
2324     </xsd:element>
2325     <xsd:element name="Period" type="Period_Type" maxOccurs="unbounded"/>
2326 </xsd:sequence>
2327 </xsd:complexType>
2328 <xsd:element name="BidDocument">
2329     <xsd:complexType>
2330         <xsd:annotation>
2331             <xsd:documentation/>
2332         </xsd:annotation>
2333     <xsd:sequence>
2334         <xsd:element name="DocumentIdentification" type="ecc:IdentificationType">
2335             <xsd:annotation>
2336                 <xsd:documentation/>
2337             </xsd:annotation>
2338         </xsd:element>
2339         <xsd:element name="DocumentVersion" type="ecc:VersionType">
2340             <xsd:annotation>
2341                 <xsd:documentation/>
2342             </xsd:annotation>
2343         </xsd:element>
2344         <xsd:element name="DocumentType" type="ecc:MessageType">
2345             <xsd:annotation>
2346                 <xsd:documentation/>
2347             </xsd:annotation>
2348         </xsd:element>
2349         <xsd:element name="SenderIdIdentification" type="ecc:PartyType">
2350             <xsd:annotation>
2351                 <xsd:documentation/>
2352             </xsd:annotation>
2353     </xsd:element>
    
```

```

2354         <xsd:element name="SenderRole" type="ecc:RoleType">
2355             <xsd:annotation>
2356                 <xsd:documentation/>
2357             </xsd:annotation>
2358         </xsd:element>
2359         <xsd:element name="ReceiverIdentification" type="ecc:PartyType">
2360             <xsd:annotation>
2361                 <xsd:documentation/>
2362             </xsd:annotation>
2363         </xsd:element>
2364         <xsd:element name="ReceiverRole" type="ecc:RoleType">
2365             <xsd:annotation>
2366                 <xsd:documentation/>
2367             </xsd:annotation>
2368         </xsd:element>
2369         <xsd:element name="CreationDateTime" type="ecc:MessageDateTimeType">
2370             <xsd:annotation>
2371                 <xsd:documentation/>
2372             </xsd:annotation>
2373         </xsd:element>
2374         <xsd:element name="BidTimeInterval" type="ecc:TimeIntervalType">
2375             <xsd:annotation>
2376                 <xsd:documentation/>
2377             </xsd:annotation>
2378         </xsd:element>
2379         <xsd:element name="Domain" type="ecc:AreaType">
2380             <xsd:annotation>
2381                 <xsd:documentation/>
2382             </xsd:annotation>
2383         </xsd:element>
2384         <xsd:element name="SubjectParty" type="ecc:PartyType">
2385             <xsd:annotation>
2386                 <xsd:documentation/>
2387             </xsd:annotation>
2388         </xsd:element>
2389         <xsd:element name="SubjectRole" type="ecc:RoleType">
2390             <xsd:annotation>
2391                 <xsd:documentation/>
2392             </xsd:annotation>
2393         </xsd:element>
2394         <xsd:element name="BidTimeSeries" type="BidTimeSeries_Type" minOccurs="0"
2395 maxOccurs="unbounded"/>
2396     </xsd:sequence>
2397     <xsd:attribute name="DtdVersion" type="xsd:string" use="required"/>
2398     <xsd:attribute name="DtdRelease" type="xsd:string" use="required"/>
2399 </xsd:complexType>
2400 </xsd:element>
2401 </xsd:schema>
    
```

2402 **9.4 ALLOCATION RESULTS DOCUMENT**

2403 **9.4.1 SCHEMA STRUCTURE**



2404

2405

**FIGURE 32: ALLOCATION RESULTS DOCUMENT SCHEMA MODEL**

## 2406 9.4.2 SCHEMA DEFINITION

```

2407 <?xml version="1.0" encoding="UTF-8"?>
2408 <xsd:schema xmlns:ecc="etso-core-cmpts.xsd" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
2409 elementFormDefault="qualified" attributeFormDefault="unqualified" ecc:VersionRelease="13.0">
2410   <xsd:import namespace="etso-core-cmpts.xsd" schemaLocation="etso-core-cmpts.xsd"/>
2411   <!--
2412           ENTSO-E Document Automatically generated from a UML class diagram using XML.
2413           Generation tool version 1.7
2414   -->
2415   <xsd:complexType name="Interval_Type">
2416     <xsd:annotation>
2417       <xsd:documentation/>
2418     </xsd:annotation>
2419     <xsd:sequence>
2420       <xsd:element name="Pos" type="ecc:PositionType">
2421         <xsd:annotation>
2422           <xsd:documentation/>
2423         </xsd:annotation>
2424       </xsd:element>
2425       <xsd:element name="Qty" type="ecc:QuantityType">
2426         <xsd:annotation>
2427           <xsd:documentation/>
2428         </xsd:annotation>
2429       </xsd:element>
2430       <xsd:element name="PriceAmount" type="ecc:AmountType" minOccurs="0">
2431         <xsd:annotation>
2432           <xsd:documentation/>
2433         </xsd:annotation>
2434       </xsd:element>
2435       <xsd:element name="BidQty" type="ecc:QuantityType" minOccurs="0">
2436         <xsd:annotation>
2437           <xsd:documentation/>
2438         </xsd:annotation>
2439       </xsd:element>
2440       <xsd:element name="BidPriceAmount" type="ecc:AmountType" minOccurs="0">
2441         <xsd:annotation>
2442           <xsd:documentation/>
2443         </xsd:annotation>
2444       </xsd:element>
2445       <xsd:element name="Reason" type="Reason_Type" minOccurs="0" maxOccurs="unbounded"/>
2446     </xsd:sequence>
2447   </xsd:complexType>
2448   <xsd:complexType name="Period_Type">
2449     <xsd:annotation>
2450       <xsd:documentation/>
2451     </xsd:annotation>
2452     <xsd:sequence>
2453       <xsd:element name="TimeInterval" type="ecc:TimeIntervalType">
2454         <xsd:annotation>
2455           <xsd:documentation/>
2456         </xsd:annotation>
2457       </xsd:element>
2458       <xsd:element name="Resolution" type="ecc:ResolutionType">
2459         <xsd:annotation>
2460           <xsd:documentation/>
2461         </xsd:annotation>
2462       </xsd:element>
2463       <xsd:element name="Interval" type="Interval_Type" maxOccurs="unbounded"/>
2464     </xsd:sequence>
2465   </xsd:complexType>
2466   <xsd:complexType name="AllocationTimeSeries_Type">
2467     <xsd:annotation>
2468       <xsd:documentation/>
2469     </xsd:annotation>
2470     <xsd:sequence>
2471       <xsd:element name="TimeSeriesIdentification" type="ecc:IdentificationType">
2472         <xsd:annotation>
2473           <xsd:documentation/>
2474         </xsd:annotation>

```

```

2475     </xsd:element>
2476     <xsd:element name="BidDocumentIdentification" type="ecc:IdentificationType">
2477         <xsd:annotation>
2478             <xsd:documentation/>
2479         </xsd:annotation>
2480     </xsd:element>
2481     <xsd:element name="BidDocumentVersion" type="ecc:VersionType">
2482         <xsd:annotation>
2483             <xsd:documentation/>
2484         </xsd:annotation>
2485     </xsd:element>
2486     <xsd:element name="BidIdIdentification" type="ecc:IdentificationType" minOccurs="0">
2487         <xsd:annotation>
2488             <xsd:documentation/>
2489         </xsd:annotation>
2490     </xsd:element>
2491     <xsd:element name="AuctionIdentification" type="ecc:IdentificationType">
2492         <xsd:annotation>
2493             <xsd:documentation/>
2494         </xsd:annotation>
2495     </xsd:element>
2496     <xsd:element name="BusinessType" type="ecc:BusinessType">
2497         <xsd:annotation>
2498             <xsd:documentation/>
2499         </xsd:annotation>
2500     </xsd:element>
2501     <xsd:element name="InArea" type="ecc:AreaType">
2502         <xsd:annotation>
2503             <xsd:documentation/>
2504         </xsd:annotation>
2505     </xsd:element>
2506     <xsd:element name="OutArea" type="ecc:AreaType">
2507         <xsd:annotation>
2508             <xsd:documentation/>
2509         </xsd:annotation>
2510     </xsd:element>
2511     <xsd:element name="ContractType" type="ecc:ContractType">
2512         <xsd:annotation>
2513             <xsd:documentation/>
2514         </xsd:annotation>
2515     </xsd:element>
2516     <xsd:element name="ContractIdIdentification" type="ecc:IdentificationType">
2517         <xsd:annotation>
2518             <xsd:documentation/>
2519         </xsd:annotation>
2520     </xsd:element>
2521     <xsd:element name="MeasureUnitQuantity" type="ecc:UnitOfMeasureType">
2522         <xsd:annotation>
2523             <xsd:documentation/>
2524         </xsd:annotation>
2525     </xsd:element>
2526     <xsd:element name="Currency" type="ecc:CurrencyType" minOccurs="0">
2527         <xsd:annotation>
2528             <xsd:documentation/>
2529         </xsd:annotation>
2530     </xsd:element>
2531     <xsd:element name="MeasureUnitPrice" type="ecc:UnitOfMeasureType" minOccurs="0">
2532         <xsd:annotation>
2533             <xsd:documentation/>
2534         </xsd:annotation>
2535     </xsd:element>
2536     <xsd:element name="CurveType" type="ecc:CurveType" minOccurs="0">
2537         <xsd:annotation>
2538             <xsd:documentation/>
2539         </xsd:annotation>
2540     </xsd:element>
2541     <xsd:element name="ClassificationCategory" type="ecc:CategoryType" minOccurs="0">
2542         <xsd:annotation>
2543             <xsd:documentation/>
2544         </xsd:annotation>
2545     </xsd:element>
    
```

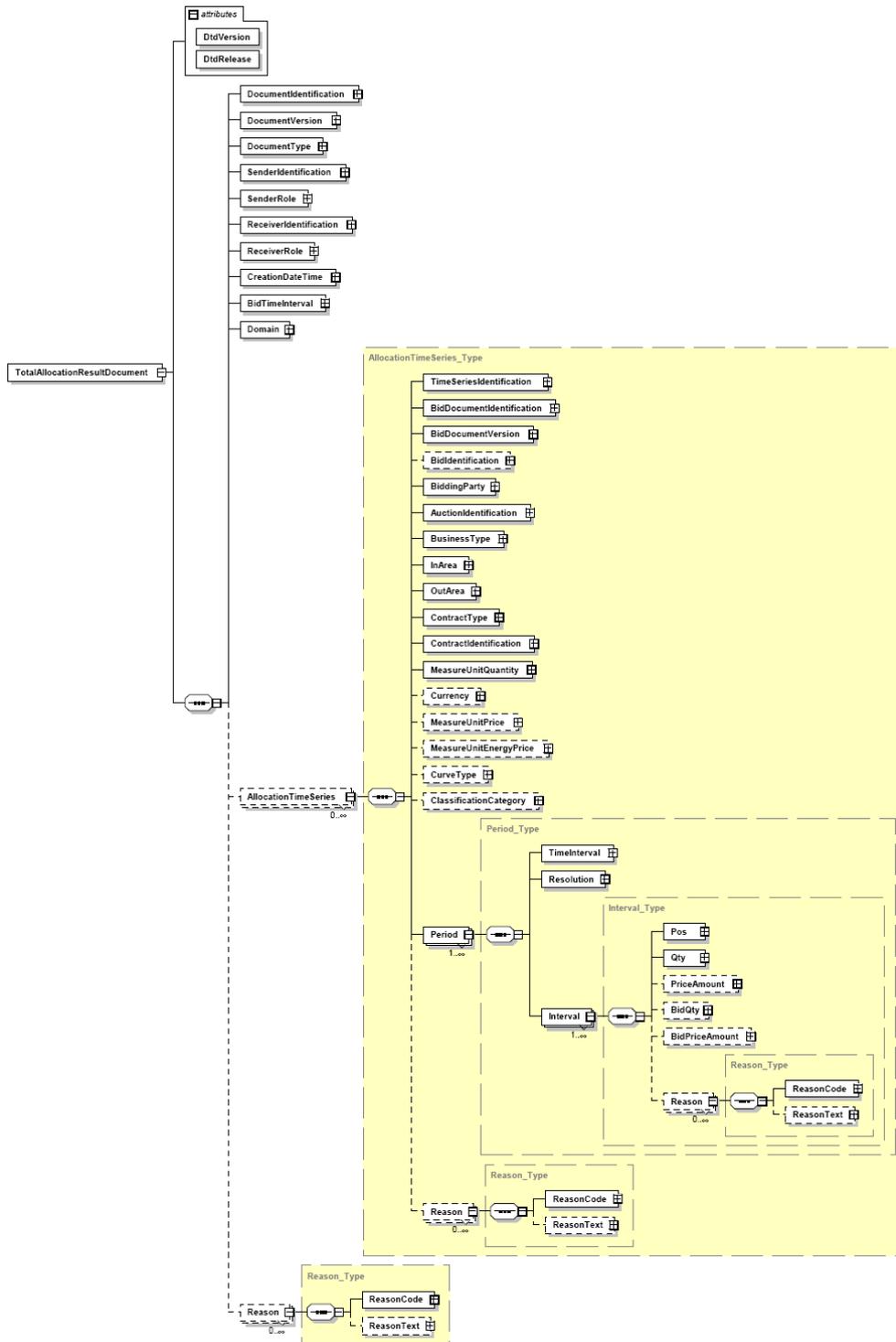
```

2546         <xsd:element name="Period" type="Period_Type" maxOccurs="unbounded"/>
2547         <xsd:element name="Reason" type="Reason_Type" minOccurs="0" maxOccurs="unbounded"/>
2548     </xsd:sequence>
2549 </xsd:complexType>
2550 <xsd:element name="AllocationResultDocument">
2551     <xsd:complexType>
2552         <xsd:annotation>
2553             <xsd:documentation/>
2554         </xsd:annotation>
2555     <xsd:sequence>
2556         <xsd:element name="DocumentIdentification" type="ecc:IdentificationType">
2557             <xsd:annotation>
2558                 <xsd:documentation/>
2559             </xsd:annotation>
2560         </xsd:element>
2561         <xsd:element name="DocumentVersion" type="ecc:VersionType">
2562             <xsd:annotation>
2563                 <xsd:documentation/>
2564             </xsd:annotation>
2565         </xsd:element>
2566         <xsd:element name="DocumentType" type="ecc:MessageType">
2567             <xsd:annotation>
2568                 <xsd:documentation/>
2569             </xsd:annotation>
2570         </xsd:element>
2571         <xsd:element name="SenderIdentification" type="ecc:PartyType">
2572             <xsd:annotation>
2573                 <xsd:documentation/>
2574             </xsd:annotation>
2575         </xsd:element>
2576         <xsd:element name="SenderRole" type="ecc:RoleType">
2577             <xsd:annotation>
2578                 <xsd:documentation/>
2579             </xsd:annotation>
2580         </xsd:element>
2581         <xsd:element name="ReceiverIdentification" type="ecc:PartyType">
2582             <xsd:annotation>
2583                 <xsd:documentation/>
2584             </xsd:annotation>
2585         </xsd:element>
2586         <xsd:element name="ReceiverRole" type="ecc:RoleType">
2587             <xsd:annotation>
2588                 <xsd:documentation/>
2589             </xsd:annotation>
2590         </xsd:element>
2591         <xsd:element name="CreationDateTime" type="ecc:MessageDateTimeType">
2592             <xsd:annotation>
2593                 <xsd:documentation/>
2594             </xsd:annotation>
2595         </xsd:element>
2596         <xsd:element name="BidTimeInterval" type="ecc:TimeIntervalType">
2597             <xsd:annotation>
2598                 <xsd:documentation/>
2599             </xsd:annotation>
2600         </xsd:element>
2601         <xsd:element name="Domain" type="ecc:AreaType">
2602             <xsd:annotation>
2603                 <xsd:documentation/>
2604             </xsd:annotation>
2605         </xsd:element>
2606         <xsd:element name="SubjectParty" type="ecc:PartyType">
2607             <xsd:annotation>
2608                 <xsd:documentation/>
2609             </xsd:annotation>
2610         </xsd:element>
2611         <xsd:element name="SubjectRole" type="ecc:RoleType">
2612             <xsd:annotation>
2613                 <xsd:documentation/>
2614             </xsd:annotation>
2615     </xsd:element>
    
```

```
2616                                     <xsd:element name="AllocationTimeSeries" type="AllocationTimeSeries_Type"
2617 minOccurs="0" maxOccurs="unbounded"/>
2618                                     <xsd:element name="Reason" type="Reason_Type" minOccurs="0"
2619 maxOccurs="unbounded"/>
2620                                     </xsd:sequence>
2621                                     <xsd:attribute name="DtdVersion" type="xsd:string" use="required"/>
2622                                     <xsd:attribute name="DtdRelease" type="xsd:string" use="required"/>
2623                                     </xsd:complexType>
2624 </xsd:element>
2625 <xsd:complexType name="Reason_Type">
2626   <xsd:annotation>
2627     <xsd:documentation/>
2628   </xsd:annotation>
2629   <xsd:sequence>
2630     <xsd:element name="ReasonCode" type="ecc:ReasonCodeType">
2631       <xsd:annotation>
2632         <xsd:documentation/>
2633       </xsd:annotation>
2634     </xsd:element>
2635     <xsd:element name="ReasonText" type="ecc:ReasonTextType" minOccurs="0">
2636       <xsd:annotation>
2637         <xsd:documentation/>
2638       </xsd:annotation>
2639     </xsd:element>
2640   </xsd:sequence>
2641 </xsd:complexType>
2642 </xsd:schema>
```

2643 **9.5 TOTAL ALLOCATION RESULTS DOCUMENT**

2644 **9.5.1 SCHEMA STRUCTURE**



2645

2646

**FIGURE 33: TOTAL ALLOCATION RESULTS DOCUMENT SCHEMA MODEL**

## 2647 9.5.2 SCHEMA DEFINITION

```

2648 <?xml version="1.0" encoding="UTF-8"?>
2649 <xsd:schema xmlns:ecc="etso-core-cmpts.xsd" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
2650 elementFormDefault="qualified" attributeFormDefault="unqualified" ecc:VersionRelease="13.0">
2651   <xsd:import namespace="etso-core-cmpts.xsd" schemaLocation="etso-core-cmpts.xsd"/>
2652   <!--
2653       ENTSO-E Document Automatically generated from a UML class diagram using XML.
2654       Generation tool version 1.7
2655   -->
2656   <xsd:complexType name="Interval_Type">
2657     <xsd:annotation>
2658       <xsd:documentation/>
2659     </xsd:annotation>
2660     <xsd:sequence>
2661       <xsd:element name="Pos" type="ecc:PositionType">
2662         <xsd:annotation>
2663           <xsd:documentation/>
2664         </xsd:annotation>
2665       </xsd:element>
2666       <xsd:element name="Qty" type="ecc:QuantityType">
2667         <xsd:annotation>
2668           <xsd:documentation/>
2669         </xsd:annotation>
2670       </xsd:element>
2671       <xsd:element name="PriceAmount" type="ecc:AmountType" minOccurs="0">
2672         <xsd:annotation>
2673           <xsd:documentation/>
2674         </xsd:annotation>
2675       </xsd:element>
2676       <xsd:element name="BidQty" type="ecc:QuantityType" minOccurs="0">
2677         <xsd:annotation>
2678           <xsd:documentation/>
2679         </xsd:annotation>
2680       </xsd:element>
2681       <xsd:element name="BidPriceAmount" type="ecc:AmountType" minOccurs="0">
2682         <xsd:annotation>
2683           <xsd:documentation/>
2684         </xsd:annotation>
2685       </xsd:element>
2686       <xsd:element name="Reason" type="Reason_Type" minOccurs="0" maxOccurs="unbounded"/>
2687     </xsd:sequence>
2688   </xsd:complexType>
2689   <xsd:complexType name="Period_Type">
2690     <xsd:annotation>
2691       <xsd:documentation/>
2692     </xsd:annotation>
2693     <xsd:sequence>
2694       <xsd:element name="TimeInterval" type="ecc:TimeIntervalType">
2695         <xsd:annotation>
2696           <xsd:documentation/>
2697         </xsd:annotation>
2698       </xsd:element>
2699       <xsd:element name="Resolution" type="ecc:ResolutionType">
2700         <xsd:annotation>
2701           <xsd:documentation/>
2702         </xsd:annotation>
2703       </xsd:element>
2704       <xsd:element name="Interval" type="Interval_Type" maxOccurs="unbounded"/>
2705     </xsd:sequence>
2706   </xsd:complexType>
2707   <xsd:complexType name="AllocationTimeSeries_Type">
2708     <xsd:annotation>
2709       <xsd:documentation/>
2710     </xsd:annotation>
2711     <xsd:sequence>
2712       <xsd:element name="TimeSeriesIdentification" type="ecc:IdentificationType">
2713         <xsd:annotation>
2714           <xsd:documentation/>
2715         </xsd:annotation>

```

```

2716 </xsd:element>
2717 <xsd:element name="BidDocumentIdentification" type="ecc:IdentificationType">
2718     <xsd:annotation>
2719         <xsd:documentation/>
2720     </xsd:annotation>
2721 </xsd:element>
2722 <xsd:element name="BidDocumentVersion" type="ecc:VersionType">
2723     <xsd:annotation>
2724         <xsd:documentation/>
2725     </xsd:annotation>
2726 </xsd:element>
2727 <xsd:element name="BidIdentification" type="ecc:IdentificationType" minOccurs="0">
2728     <xsd:annotation>
2729         <xsd:documentation/>
2730     </xsd:annotation>
2731 </xsd:element>
2732 <xsd:element name="BiddingParty" type="ecc:PartyType">
2733     <xsd:annotation>
2734         <xsd:documentation/>
2735     </xsd:annotation>
2736 </xsd:element>
2737 <xsd:element name="AuctionIdentification" type="ecc:IdentificationType">
2738     <xsd:annotation>
2739         <xsd:documentation/>
2740     </xsd:annotation>
2741 </xsd:element>
2742 <xsd:element name="BusinessType" type="ecc:BusinessType">
2743     <xsd:annotation>
2744         <xsd:documentation/>
2745     </xsd:annotation>
2746 </xsd:element>
2747 <xsd:element name="InArea" type="ecc:AreaType">
2748     <xsd:annotation>
2749         <xsd:documentation/>
2750     </xsd:annotation>
2751 </xsd:element>
2752 <xsd:element name="OutArea" type="ecc:AreaType">
2753     <xsd:annotation>
2754         <xsd:documentation/>
2755     </xsd:annotation>
2756 </xsd:element>
2757 <xsd:element name="ContractType" type="ecc:ContractType">
2758     <xsd:annotation>
2759         <xsd:documentation/>
2760     </xsd:annotation>
2761 </xsd:element>
2762 <xsd:element name="ContractIdentification" type="ecc:IdentificationType">
2763     <xsd:annotation>
2764         <xsd:documentation/>
2765     </xsd:annotation>
2766 </xsd:element>
2767 <xsd:element name="MeasureUnitQuantity" type="ecc:UnitOfMeasureType">
2768     <xsd:annotation>
2769         <xsd:documentation/>
2770     </xsd:annotation>
2771 </xsd:element>
2772 <xsd:element name="Currency" type="ecc:CurrencyType" minOccurs="0">
2773     <xsd:annotation>
2774         <xsd:documentation/>
2775     </xsd:annotation>
2776 </xsd:element>
2777 <xsd:element name="MeasureUnitPrice" type="ecc:UnitOfMeasureType" minOccurs="0">
2778     <xsd:annotation>
2779         <xsd:documentation/>
2780     </xsd:annotation>
2781 </xsd:element>
2782 <xsd:element name="MeasureUnitEnergyPrice" type="ecc:UnitOfMeasureType" minOccurs="0">
2783     <xsd:annotation>
2784         <xsd:documentation/>
2785     </xsd:annotation>
2786 </xsd:element>
    
```

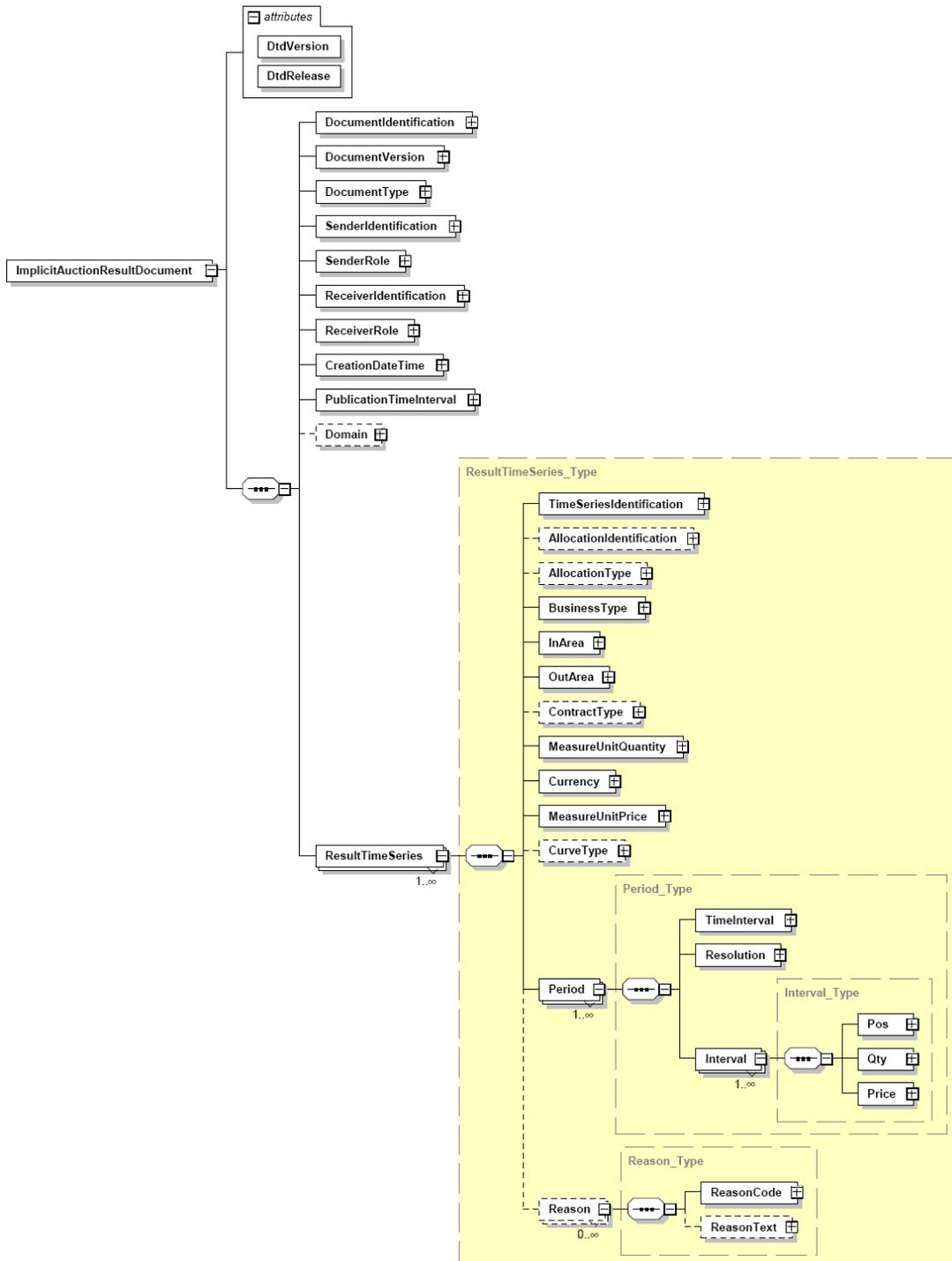
```

2787     <xsd:element name="CurveType" type="ecc:CurveType" minOccurs="0">
2788         <xsd:annotation>
2789             <xsd:documentation/>
2790         </xsd:annotation>
2791     </xsd:element>
2792     <xsd:element name="ClassificationCategory" type="ecc:CategoryType" minOccurs="0">
2793         <xsd:annotation>
2794             <xsd:documentation/>
2795         </xsd:annotation>
2796     </xsd:element>
2797     <xsd:element name="Period" type="Period_Type" maxOccurs="unbounded"/>
2798     <xsd:element name="Reason" type="Reason_Type" minOccurs="0" maxOccurs="unbounded"/>
2799 </xsd:sequence>
2800 </xsd:complexType>
2801 <xsd:element name="TotalAllocationResultDocument">
2802     <xsd:complexType>
2803         <xsd:annotation>
2804             <xsd:documentation/>
2805         </xsd:annotation>
2806     <xsd:sequence>
2807         <xsd:element name="DocumentIdentification" type="ecc:IdentificationType">
2808             <xsd:annotation>
2809                 <xsd:documentation/>
2810             </xsd:annotation>
2811         </xsd:element>
2812         <xsd:element name="DocumentVersion" type="ecc:VersionType">
2813             <xsd:annotation>
2814                 <xsd:documentation/>
2815             </xsd:annotation>
2816         </xsd:element>
2817         <xsd:element name="DocumentType" type="ecc:MessageType">
2818             <xsd:annotation>
2819                 <xsd:documentation/>
2820             </xsd:annotation>
2821         </xsd:element>
2822         <xsd:element name="SenderIdIdentification" type="ecc:PartyType">
2823             <xsd:annotation>
2824                 <xsd:documentation/>
2825             </xsd:annotation>
2826         </xsd:element>
2827         <xsd:element name="SenderRole" type="ecc:RoleType">
2828             <xsd:annotation>
2829                 <xsd:documentation/>
2830             </xsd:annotation>
2831         </xsd:element>
2832         <xsd:element name="ReceiverIdentification" type="ecc:PartyType">
2833             <xsd:annotation>
2834                 <xsd:documentation/>
2835             </xsd:annotation>
2836         </xsd:element>
2837         <xsd:element name="ReceiverRole" type="ecc:RoleType">
2838             <xsd:annotation>
2839                 <xsd:documentation/>
2840             </xsd:annotation>
2841         </xsd:element>
2842         <xsd:element name="CreationDateTime" type="ecc:MessageDateTimeType">
2843             <xsd:annotation>
2844                 <xsd:documentation/>
2845             </xsd:annotation>
2846         </xsd:element>
2847         <xsd:element name="BidTimeInterval" type="ecc:TimeIntervalType">
2848             <xsd:annotation>
2849                 <xsd:documentation/>
2850             </xsd:annotation>
2851         </xsd:element>
2852         <xsd:element name="Domain" type="ecc:AreaType">
2853             <xsd:annotation>
2854                 <xsd:documentation/>
2855             </xsd:annotation>
2856     </xsd:element>
    
```

```
2857                                     <xsd:element name="AllocationTimeSeries" type="AllocationTimeSeries_Type"
2858 minOccurs="0" maxOccurs="unbounded"/>
2859                                     <xsd:element name="Reason" type="Reason_Type" minOccurs="0"
2860 maxOccurs="unbounded"/>
2861                                     </xsd:sequence>
2862                                     <xsd:attribute name="DtdVersion" type="xsd:string" use="required"/>
2863                                     <xsd:attribute name="DtdRelease" type="xsd:string" use="required"/>
2864                                     </xsd:complexType>
2865 </xsd:element>
2866 <xsd:complexType name="Reason_Type">
2867   <xsd:annotation>
2868     <xsd:documentation/>
2869   </xsd:annotation>
2870   <xsd:sequence>
2871     <xsd:element name="ReasonCode" type="ecc:ReasonCodeType">
2872       <xsd:annotation>
2873         <xsd:documentation/>
2874       </xsd:annotation>
2875     </xsd:element>
2876     <xsd:element name="ReasonText" type="ecc:ReasonTextType" minOccurs="0">
2877       <xsd:annotation>
2878         <xsd:documentation/>
2879       </xsd:annotation>
2880     </xsd:element>
2881   </xsd:sequence>
2882 </xsd:complexType>
2883 </xsd:schema>
```

2884 **9.6 IMPLICIT ALLOCATION RESULTS DOCUMENT**

2885 **9.6.1 SCHEMA STRUCTURE**



2886

2887

**FIGURE 34: IMPLICIT AUCTION RESULTS DOCUMENT SCHEMA MODEL**

## 2888 9.6.2 SCHEMA DEFINITION

```

2889 <?xml version="1.0" encoding="UTF-8"?>
2890 <xsd:schema xmlns:ecc="etso-core-cmpts.xsd" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
2891 elementFormDefault="qualified" attributeFormDefault="unqualified" ecc:VersionRelease="13.0">
2892   <xsd:import namespace="etso-core-cmpts.xsd" schemaLocation="etso-core-cmpts.xsd"/>
2893   <!--
2894       ENTSO-E Document Automatically generated from a UML class diagram using XML.
2895       Generation tool version 1.7
2896   -->
2897   <xsd:complexType name="Interval_Type">
2898     <xsd:annotation>
2899       <xsd:documentation/>
2900     </xsd:annotation>
2901     <xsd:sequence>
2902       <xsd:element name="Pos" type="ecc:PositionType">
2903         <xsd:annotation>
2904           <xsd:documentation/>
2905         </xsd:annotation>
2906       </xsd:element>
2907       <xsd:element name="Qty" type="ecc:QuantityType">
2908         <xsd:annotation>
2909           <xsd:documentation/>
2910         </xsd:annotation>
2911       </xsd:element>
2912       <xsd:element name="Price" type="ecc:AmountType">
2913         <xsd:annotation>
2914           <xsd:documentation/>
2915         </xsd:annotation>
2916       </xsd:element>
2917     </xsd:sequence>
2918   </xsd:complexType>
2919   <xsd:complexType name="Period_Type">
2920     <xsd:annotation>
2921       <xsd:documentation/>
2922     </xsd:annotation>
2923     <xsd:sequence>
2924       <xsd:element name="TimeInterval" type="ecc:TimeIntervalType">
2925         <xsd:annotation>
2926           <xsd:documentation/>
2927         </xsd:annotation>
2928       </xsd:element>
2929       <xsd:element name="Resolution" type="ecc:ResolutionType">
2930         <xsd:annotation>
2931           <xsd:documentation/>
2932         </xsd:annotation>
2933       </xsd:element>
2934       <xsd:element name="Interval" type="Interval_Type" maxOccurs="unbounded"/>
2935     </xsd:sequence>
2936   </xsd:complexType>
2937   <xsd:complexType name="ResultTimeSeries_Type">
2938     <xsd:annotation>
2939       <xsd:documentation/>
2940     </xsd:annotation>
2941     <xsd:sequence>
2942       <xsd:element name="TimeSeriesIdentification" type="ecc:IdentificationType">
2943         <xsd:annotation>
2944           <xsd:documentation/>
2945         </xsd:annotation>
2946       </xsd:element>
2947       <xsd:element name="AllocationIdentification" type="ecc:IdentificationType" minOccurs="0">
2948         <xsd:annotation>
2949           <xsd:documentation/>
2950         </xsd:annotation>
2951       </xsd:element>
2952       <xsd:element name="AllocationType" type="ecc:AuctionType" minOccurs="0">
2953         <xsd:annotation>
2954           <xsd:documentation/>
2955         </xsd:annotation>
2956     </xsd:sequence>

```

```

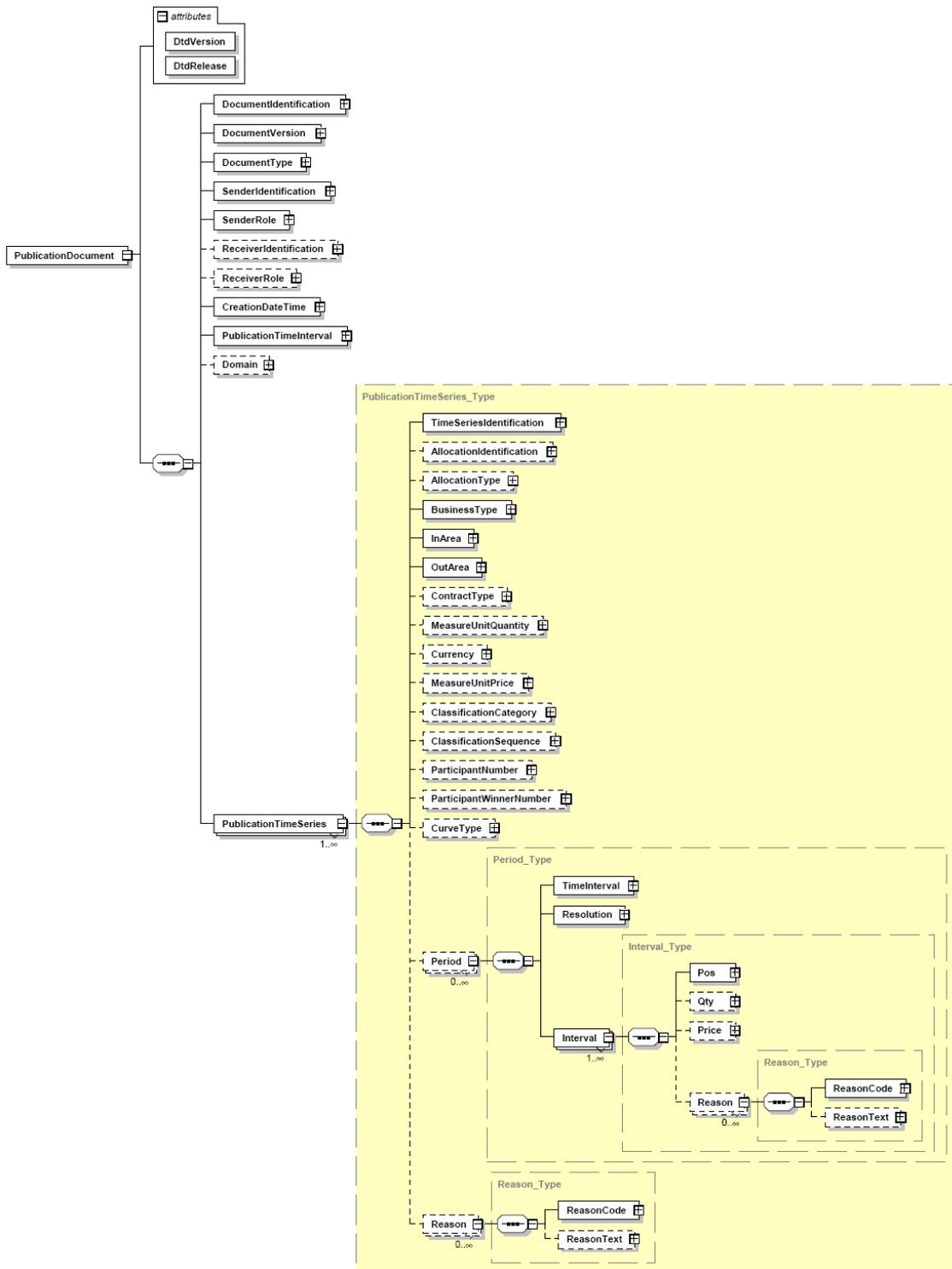
2957     <xsd:element name="BusinessType" type="ecc:BusinessType">
2958         <xsd:annotation>
2959             <xsd:documentation/>
2960         </xsd:annotation>
2961     </xsd:element>
2962     <xsd:element name="InArea" type="ecc:AreaType">
2963         <xsd:annotation>
2964             <xsd:documentation/>
2965         </xsd:annotation>
2966     </xsd:element>
2967     <xsd:element name="OutArea" type="ecc:AreaType">
2968         <xsd:annotation>
2969             <xsd:documentation/>
2970         </xsd:annotation>
2971     </xsd:element>
2972     <xsd:element name="ContractType" type="ecc:ContractType" minOccurs="0">
2973         <xsd:annotation>
2974             <xsd:documentation/>
2975         </xsd:annotation>
2976     </xsd:element>
2977     <xsd:element name="MeasureUnitQuantity" type="ecc:UnitOfMeasureType">
2978         <xsd:annotation>
2979             <xsd:documentation/>
2980         </xsd:annotation>
2981     </xsd:element>
2982     <xsd:element name="Currency" type="ecc:CurrencyType">
2983         <xsd:annotation>
2984             <xsd:documentation/>
2985         </xsd:annotation>
2986     </xsd:element>
2987     <xsd:element name="MeasureUnitPrice" type="ecc:UnitOfMeasureType">
2988         <xsd:annotation>
2989             <xsd:documentation/>
2990         </xsd:annotation>
2991     </xsd:element>
2992     <xsd:element name="CurveType" type="ecc:CurveType" minOccurs="0">
2993         <xsd:annotation>
2994             <xsd:documentation/>
2995         </xsd:annotation>
2996     </xsd:element>
2997     <xsd:element name="Period" type="Period_Type" maxOccurs="unbounded"/>
2998     <xsd:element name="Reason" type="Reason_Type" minOccurs="0" maxOccurs="unbounded"/>
2999 </xsd:sequence>
3000 </xsd:complexType>
3001 <xsd:element name="ImplicitAuctionResultDocument">
3002     <xsd:complexType>
3003         <xsd:annotation>
3004             <xsd:documentation/>
3005         </xsd:annotation>
3006     <xsd:sequence>
3007         <xsd:element name="DocumentIdentification" type="ecc:IdentificationType">
3008             <xsd:annotation>
3009                 <xsd:documentation/>
3010             </xsd:annotation>
3011         </xsd:element>
3012         <xsd:element name="DocumentVersion" type="ecc:VersionType">
3013             <xsd:annotation>
3014                 <xsd:documentation/>
3015             </xsd:annotation>
3016         </xsd:element>
3017         <xsd:element name="DocumentType" type="ecc:MessageType">
3018             <xsd:annotation>
3019                 <xsd:documentation/>
3020             </xsd:annotation>
3021         </xsd:element>
3022         <xsd:element name="SenderIdIdentification" type="ecc:PartyType">
3023             <xsd:annotation>
3024                 <xsd:documentation/>
3025             </xsd:annotation>
3026         </xsd:element>
3027         <xsd:element name="SenderRole" type="ecc:RoleType">
    
```

```

3028         <xsd:annotation>
3029             <xsd:documentation/>
3030         </xsd:annotation>
3031     </xsd:element>
3032     <xsd:element name="ReceiverIdentification" type="ecc:PartyType">
3033         <xsd:annotation>
3034             <xsd:documentation/>
3035         </xsd:annotation>
3036     </xsd:element>
3037     <xsd:element name="ReceiverRole" type="ecc:RoleType">
3038         <xsd:annotation>
3039             <xsd:documentation/>
3040         </xsd:annotation>
3041     </xsd:element>
3042     <xsd:element name="CreationDateTime" type="ecc:MessageDateTimeType">
3043         <xsd:annotation>
3044             <xsd:documentation/>
3045         </xsd:annotation>
3046     </xsd:element>
3047     <xsd:element name="PublicationTimeInterval" type="ecc:TimeIntervalType">
3048         <xsd:annotation>
3049             <xsd:documentation/>
3050         </xsd:annotation>
3051     </xsd:element>
3052     <xsd:element name="Domain" type="ecc:AreaType" minOccurs="0">
3053         <xsd:annotation>
3054             <xsd:documentation/>
3055         </xsd:annotation>
3056     </xsd:element>
3057     <xsd:element name="ResultTimeSeries" type="ResultTimeSeries_Type"
3058 maxOccurs="unbounded"/>
3059         </xsd:sequence>
3060         <xsd:attribute name="DtdVersion" type="xsd:string" use="required"/>
3061         <xsd:attribute name="DtdRelease" type="xsd:string" use="required"/>
3062     </xsd:complexType>
3063 </xsd:element>
3064 <xsd:complexType name="Reason_Type">
3065     <xsd:annotation>
3066         <xsd:documentation/>
3067     </xsd:annotation>
3068     <xsd:sequence>
3069         <xsd:element name="ReasonCode" type="ecc:ReasonCodeType">
3070             <xsd:annotation>
3071                 <xsd:documentation/>
3072             </xsd:annotation>
3073         </xsd:element>
3074         <xsd:element name="ReasonText" type="ecc:ReasonTextType" minOccurs="0">
3075             <xsd:annotation>
3076                 <xsd:documentation/>
3077             </xsd:annotation>
3078         </xsd:element>
3079     </xsd:sequence>
3080 </xsd:complexType>
3081 </xsd:schema>
    
```

3082 **9.7 PUBLICATION DOCUMENT**

3083 **9.7.1 SCHEMA STRUCTURE**



3084

3085

**FIGURE 35: PUBLICATION DOCUMENT SCHEMA MODEL**

3086 9.7.2 SCHEMA DEFINITION

```

3087 <?xml version="1.0" encoding="UTF-8"?>
3088 <xsd:schema xmlns:ecc="etso-core-cmpts.xsd" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
3089 elementFormDefault="qualified" attributeFormDefault="unqualified" ecc:VersionRelease="13.0">
3090   <xsd:import namespace="etso-core-cmpts.xsd" schemaLocation="etso-core-cmpts.xsd"/>
3091   <!--
3092       ENTSO-E Document Automatically generated from a UML class diagram using XMI.
3093       Generation tool version 1.7
3094   -->
3095   <xsd:complexType name="Interval_Type">
3096     <xsd:annotation>
3097       <xsd:documentation/>
3098     </xsd:annotation>
3099     <xsd:sequence>
3100       <xsd:element name="Pos" type="ecc:PositionType">
3101         <xsd:annotation>
3102           <xsd:documentation/>
3103         </xsd:annotation>
3104       </xsd:element>
3105       <xsd:element name="Qty" type="ecc:QuantityType" minOccurs="0">
3106         <xsd:annotation>
3107           <xsd:documentation/>
3108         </xsd:annotation>
3109       </xsd:element>
3110       <xsd:element name="Price" type="ecc:AmountType" minOccurs="0">
3111         <xsd:annotation>
3112           <xsd:documentation/>
3113         </xsd:annotation>
3114       </xsd:element>
3115       <xsd:element name="Reason" type="Reason_Type" minOccurs="0" maxOccurs="unbounded"/>
3116     </xsd:sequence>
3117   </xsd:complexType>
3118   <xsd:complexType name="Period_Type">
3119     <xsd:annotation>
3120       <xsd:documentation/>
3121     </xsd:annotation>
3122     <xsd:sequence>
3123       <xsd:element name="TimeInterval" type="ecc:TimeIntervalType">
3124         <xsd:annotation>
3125           <xsd:documentation/>
3126         </xsd:annotation>
3127       </xsd:element>
3128       <xsd:element name="Resolution" type="ecc:ResolutionType">
3129         <xsd:annotation>
3130           <xsd:documentation/>
3131         </xsd:annotation>
3132       </xsd:element>
3133       <xsd:element name="Interval" type="Interval_Type" maxOccurs="unbounded"/>
3134     </xsd:sequence>
3135   </xsd:complexType>
3136   <xsd:complexType name="PublicationTimeSeries_Type">
3137     <xsd:annotation>
3138       <xsd:documentation/>
3139     </xsd:annotation>
3140     <xsd:sequence>
3141       <xsd:element name="TimeSeriesIdentification" type="ecc:IdentificationType">
3142         <xsd:annotation>
3143           <xsd:documentation/>
3144         </xsd:annotation>
3145       </xsd:element>
3146       <xsd:element name="AllocationIdentification" type="ecc:IdentificationType" minOccurs="0">
3147         <xsd:annotation>
3148           <xsd:documentation/>
3149         </xsd:annotation>
3150       </xsd:element>
3151       <xsd:element name="AllocationType" type="ecc:AuctionType" minOccurs="0">
3152         <xsd:annotation>
3153           <xsd:documentation/>
3154         </xsd:annotation>

```

```

3155     </xsd:element>
3156     <xsd:element name="BusinessType" type="ecc:BusinessType">
3157         <xsd:annotation>
3158             <xsd:documentation/>
3159         </xsd:annotation>
3160     </xsd:element>
3161     <xsd:element name="InArea" type="ecc:AreaType">
3162         <xsd:annotation>
3163             <xsd:documentation/>
3164         </xsd:annotation>
3165     </xsd:element>
3166     <xsd:element name="OutArea" type="ecc:AreaType">
3167         <xsd:annotation>
3168             <xsd:documentation/>
3169         </xsd:annotation>
3170     </xsd:element>
3171     <xsd:element name="ContractType" type="ecc:ContractType" minOccurs="0">
3172         <xsd:annotation>
3173             <xsd:documentation/>
3174         </xsd:annotation>
3175     </xsd:element>
3176     <xsd:element name="MeasureUnitQuantity" type="ecc:UnitOfMeasureType" minOccurs="0">
3177         <xsd:annotation>
3178             <xsd:documentation/>
3179         </xsd:annotation>
3180     </xsd:element>
3181     <xsd:element name="Currency" type="ecc:CurrencyType" minOccurs="0">
3182         <xsd:annotation>
3183             <xsd:documentation/>
3184         </xsd:annotation>
3185     </xsd:element>
3186     <xsd:element name="MeasureUnitPrice" type="ecc:UnitOfMeasureType" minOccurs="0">
3187         <xsd:annotation>
3188             <xsd:documentation/>
3189         </xsd:annotation>
3190     </xsd:element>
3191     <xsd:element name="ClassificationCategory" type="ecc:CategoryType" minOccurs="0">
3192         <xsd:annotation>
3193             <xsd:documentation/>
3194         </xsd:annotation>
3195     </xsd:element>
3196     <xsd:element name="ClassificationSequence" type="ecc:PositionType" minOccurs="0">
3197         <xsd:annotation>
3198             <xsd:documentation/>
3199         </xsd:annotation>
3200     </xsd:element>
3201     <xsd:element name="ParticipantNumber" type="ecc:QuantityType" minOccurs="0">
3202         <xsd:annotation>
3203             <xsd:documentation/>
3204         </xsd:annotation>
3205     </xsd:element>
3206     <xsd:element name="ParticipantWinnerNumber" type="ecc:QuantityType" minOccurs="0">
3207         <xsd:annotation>
3208             <xsd:documentation/>
3209         </xsd:annotation>
3210     </xsd:element>
3211     <xsd:element name="CurveType" type="ecc:CurveType" minOccurs="0">
3212         <xsd:annotation>
3213             <xsd:documentation/>
3214         </xsd:annotation>
3215     </xsd:element>
3216     <xsd:element name="Period" type="Period_Type" minOccurs="0" maxOccurs="unbounded"/>
3217     <xsd:element name="Reason" type="Reason_Type" minOccurs="0" maxOccurs="unbounded"/>
3218 </xsd:sequence>
3219 </xsd:complexType>
3220 <xsd:element name="PublicationDocument">
3221     <xsd:complexType>
3222         <xsd:annotation>
3223             <xsd:documentation/>
3224         </xsd:annotation>
3225     </xsd:complexType>
    
```

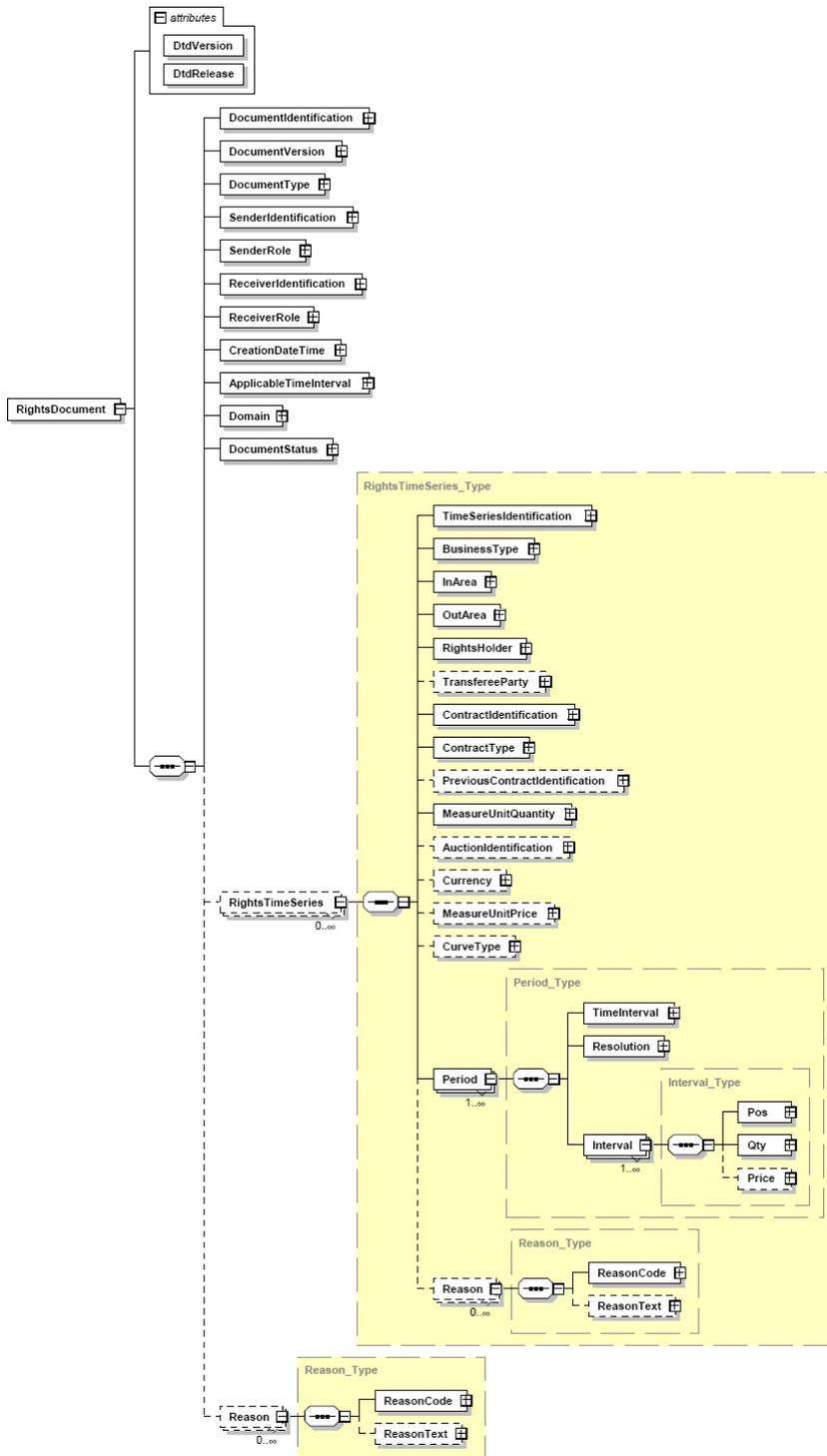
```

3226         <xsd:element name="DocumentIdentification" type="ecc:IdentificationType">
3227             <xsd:annotation>
3228                 <xsd:documentation/>
3229             </xsd:annotation>
3230         </xsd:element>
3231         <xsd:element name="DocumentVersion" type="ecc:VersionType">
3232             <xsd:annotation>
3233                 <xsd:documentation/>
3234             </xsd:annotation>
3235         </xsd:element>
3236         <xsd:element name="DocumentType" type="ecc:MessageType">
3237             <xsd:annotation>
3238                 <xsd:documentation/>
3239             </xsd:annotation>
3240         </xsd:element>
3241         <xsd:element name="SenderIdentification" type="ecc:PartyType">
3242             <xsd:annotation>
3243                 <xsd:documentation/>
3244             </xsd:annotation>
3245         </xsd:element>
3246         <xsd:element name="SenderRole" type="ecc:RoleType">
3247             <xsd:annotation>
3248                 <xsd:documentation/>
3249             </xsd:annotation>
3250         </xsd:element>
3251         <xsd:element name="ReceiverIdentification" type="ecc:PartyType" minOccurs="0">
3252             <xsd:annotation>
3253                 <xsd:documentation/>
3254             </xsd:annotation>
3255         </xsd:element>
3256         <xsd:element name="ReceiverRole" type="ecc:RoleType" minOccurs="0">
3257             <xsd:annotation>
3258                 <xsd:documentation/>
3259             </xsd:annotation>
3260         </xsd:element>
3261         <xsd:element name="CreationDateTime" type="ecc:MessageDateTimeType">
3262             <xsd:annotation>
3263                 <xsd:documentation/>
3264             </xsd:annotation>
3265         </xsd:element>
3266         <xsd:element name="PublicationTimeInterval" type="ecc:TimeIntervalType">
3267             <xsd:annotation>
3268                 <xsd:documentation/>
3269             </xsd:annotation>
3270         </xsd:element>
3271         <xsd:element name="Domain" type="ecc:AreaType" minOccurs="0">
3272             <xsd:annotation>
3273                 <xsd:documentation/>
3274             </xsd:annotation>
3275         </xsd:element>
3276         <xsd:element name="PublicationTimeSeries" type="PublicationTimeSeries_Type"
3277         minOccurs="unbounded"/>
3278     </xsd:sequence>
3279     <xsd:attribute name="DtdVersion" type="xsd:string" use="required"/>
3280     <xsd:attribute name="DtdRelease" type="xsd:string" use="required"/>
3281 </xsd:complexType>
3282 </xsd:element>
3283 <xsd:complexType name="Reason_Type">
3284     <xsd:annotation>
3285         <xsd:documentation/>
3286     </xsd:annotation>
3287     <xsd:sequence>
3288         <xsd:element name="ReasonCode" type="ecc:ReasonCodeType">
3289             <xsd:annotation>
3290                 <xsd:documentation/>
3291             </xsd:annotation>
3292         </xsd:element>
3293         <xsd:element name="ReasonText" type="ecc:ReasonTextType" minOccurs="0">
3294             <xsd:annotation>
3295                 <xsd:documentation/>
3296             </xsd:annotation>
    
```

```
3297                                     </xsd:element>  
3298                               </xsd:sequence>  
3299                         </xsd:complexType>  
3300                   </xsd:schema>
```

3301 **9.8 RIGHTS DOCUMENT**

3302 **9.8.1 SCHEMA STRUCTURE**



3303

3304

**FIGURE 36: RIGHTS DOCUMENT SCHEMA MODEL**

## 3305 9.8.2 SCHEMA DEFINITION

```

3306 <?xml version="1.0" encoding="UTF-8"?>
3307 <xsd:schema xmlns:ecc="etso-core-cmpts.xsd" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
3308 elementFormDefault="qualified" attributeFormDefault="unqualified" ecc:VersionRelease="13.0">
3309   <xsd:import namespace="etso-core-cmpts.xsd" schemaLocation="etso-core-cmpts.xsd"/>
3310   <!--
3311       ENTSO-E Document Automatically generated from a UML class diagram using XML.
3312       Generation tool version 1.7
3313   -->
3314   <xsd:complexType name="Interval_Type">
3315     <xsd:annotation>
3316       <xsd:documentation/>
3317     </xsd:annotation>
3318     <xsd:sequence>
3319       <xsd:element name="Pos" type="ecc:PositionType">
3320         <xsd:annotation>
3321           <xsd:documentation/>
3322         </xsd:annotation>
3323       </xsd:element>
3324       <xsd:element name="Qty" type="ecc:QuantityType">
3325         <xsd:annotation>
3326           <xsd:documentation/>
3327         </xsd:annotation>
3328       </xsd:element>
3329       <xsd:element name="Price" type="ecc:AmountType" minOccurs="0">
3330         <xsd:annotation>
3331           <xsd:documentation/>
3332         </xsd:annotation>
3333       </xsd:element>
3334     </xsd:sequence>
3335   </xsd:complexType>
3336   <xsd:complexType name="Period_Type">
3337     <xsd:annotation>
3338       <xsd:documentation/>
3339     </xsd:annotation>
3340     <xsd:sequence>
3341       <xsd:element name="TimeInterval" type="ecc:TimeIntervalType">
3342         <xsd:annotation>
3343           <xsd:documentation/>
3344         </xsd:annotation>
3345       </xsd:element>
3346       <xsd:element name="Resolution" type="ecc:ResolutionType">
3347         <xsd:annotation>
3348           <xsd:documentation/>
3349         </xsd:annotation>
3350       </xsd:element>
3351       <xsd:element name="Interval" type="Interval_Type" maxOccurs="unbounded"/>
3352     </xsd:sequence>
3353   </xsd:complexType>
3354   <xsd:complexType name="RightsTimeSeries_Type">
3355     <xsd:annotation>
3356       <xsd:documentation/>
3357     </xsd:annotation>
3358     <xsd:sequence>
3359       <xsd:element name="TimeSeriesIdentification" type="ecc:IdentificationType">
3360         <xsd:annotation>
3361           <xsd:documentation/>
3362         </xsd:annotation>
3363       </xsd:element>
3364       <xsd:element name="BusinessType" type="ecc:BusinessType">
3365         <xsd:annotation>
3366           <xsd:documentation/>
3367         </xsd:annotation>
3368       </xsd:element>
3369       <xsd:element name="InArea" type="ecc:AreaType">
3370         <xsd:annotation>
3371           <xsd:documentation/>
3372         </xsd:annotation>
3373     </xsd:sequence>

```

```

3374     <xsd:element name="OutArea" type="ecc:AreaType">
3375         <xsd:annotation>
3376             <xsd:documentation/>
3377         </xsd:annotation>
3378     </xsd:element>
3379     <xsd:element name="RightsHolder" type="ecc:PartyType">
3380         <xsd:annotation>
3381             <xsd:documentation/>
3382         </xsd:annotation>
3383     </xsd:element>
3384     <xsd:element name="TransfereeParty" type="ecc:PartyType" minOccurs="0">
3385         <xsd:annotation>
3386             <xsd:documentation/>
3387         </xsd:annotation>
3388     </xsd:element>
3389     <xsd:element name="ContractIdentification" type="ecc:IdentificationType">
3390         <xsd:annotation>
3391             <xsd:documentation/>
3392         </xsd:annotation>
3393     </xsd:element>
3394     <xsd:element name="ContractType" type="ecc:ContractType">
3395         <xsd:annotation>
3396             <xsd:documentation/>
3397         </xsd:annotation>
3398     </xsd:element>
3399     <xsd:element name="PreviousContractIdentification" type="ecc:IdentificationType"
3400 minOccurs="0">
3401         <xsd:annotation>
3402             <xsd:documentation/>
3403         </xsd:annotation>
3404     </xsd:element>
3405     <xsd:element name="MeasureUnitQuantity" type="ecc:UnitOfMeasureType">
3406         <xsd:annotation>
3407             <xsd:documentation/>
3408         </xsd:annotation>
3409     </xsd:element>
3410     <xsd:element name="AuctionIdentification" type="ecc:IdentificationType" minOccurs="0">
3411         <xsd:annotation>
3412             <xsd:documentation/>
3413         </xsd:annotation>
3414     </xsd:element>
3415     <xsd:element name="Currency" type="ecc:CurrencyType" minOccurs="0">
3416         <xsd:annotation>
3417             <xsd:documentation/>
3418         </xsd:annotation>
3419     </xsd:element>
3420     <xsd:element name="MeasureUnitPrice" type="ecc:UnitOfMeasureType" minOccurs="0">
3421         <xsd:annotation>
3422             <xsd:documentation/>
3423         </xsd:annotation>
3424     </xsd:element>
3425     <xsd:element name="CurveType" type="ecc:CurveType" minOccurs="0">
3426         <xsd:annotation>
3427             <xsd:documentation/>
3428         </xsd:annotation>
3429     </xsd:element>
3430     <xsd:element name="Period" type="Period_Type" maxOccurs="unbounded"/>
3431     <xsd:element name="Reason" type="Reason_Type" minOccurs="0" maxOccurs="unbounded"/>
3432     </xsd:sequence>
3433 </xsd:complexType>
3434 <xsd:element name="RightsDocument">
3435     <xsd:complexType>
3436         <xsd:annotation>
3437             <xsd:documentation/>
3438         </xsd:annotation>
3439     <xsd:sequence>
3440         <xsd:element name="DocumentIdentification" type="ecc:IdentificationType">
3441             <xsd:annotation>
3442                 <xsd:documentation/>
3443             </xsd:annotation>
3444         </xsd:element>

```

```

3445         <xsd:element name="DocumentVersion" type="ecc:VersionType">
3446             <xsd:annotation>
3447                 <xsd:documentation/>
3448             </xsd:annotation>
3449         </xsd:element>
3450         <xsd:element name="DocumentType" type="ecc:MessageType">
3451             <xsd:annotation>
3452                 <xsd:documentation/>
3453             </xsd:annotation>
3454         </xsd:element>
3455         <xsd:element name="SenderIdIdentification" type="ecc:PartyType">
3456             <xsd:annotation>
3457                 <xsd:documentation/>
3458             </xsd:annotation>
3459         </xsd:element>
3460         <xsd:element name="SenderRole" type="ecc:RoleType">
3461             <xsd:annotation>
3462                 <xsd:documentation/>
3463             </xsd:annotation>
3464         </xsd:element>
3465         <xsd:element name="ReceiverIdentification" type="ecc:PartyType">
3466             <xsd:annotation>
3467                 <xsd:documentation/>
3468             </xsd:annotation>
3469         </xsd:element>
3470         <xsd:element name="ReceiverRole" type="ecc:RoleType">
3471             <xsd:annotation>
3472                 <xsd:documentation/>
3473             </xsd:annotation>
3474         </xsd:element>
3475         <xsd:element name="CreationDateTime" type="ecc:MessageDateTimeType">
3476             <xsd:annotation>
3477                 <xsd:documentation/>
3478             </xsd:annotation>
3479         </xsd:element>
3480         <xsd:element name="ApplicableTimeInterval" type="ecc:TimeIntervalType">
3481             <xsd:annotation>
3482                 <xsd:documentation/>
3483             </xsd:annotation>
3484         </xsd:element>
3485         <xsd:element name="Domain" type="ecc:AreaType">
3486             <xsd:annotation>
3487                 <xsd:documentation/>
3488             </xsd:annotation>
3489         </xsd:element>
3490         <xsd:element name="DocumentStatus" type="ecc:StatusType">
3491             <xsd:annotation>
3492                 <xsd:documentation/>
3493             </xsd:annotation>
3494         </xsd:element>
3495         <xsd:element name="RightsTimeSeries" type="RightsTimeSeries_Type"
3496         minOccurs="0" maxOccurs="unbounded"/>
3497         <xsd:element name="Reason" type="Reason_Type" minOccurs="0"
3498         maxOccurs="unbounded"/>
3499     </xsd:sequence>
3500     <xsd:attribute name="DtdVersion" type="xsd:string" use="required"/>
3501     <xsd:attribute name="DtdRelease" type="xsd:string" use="required"/>
3502 </xsd:complexType>
3503 </xsd:element>
3504 <xsd:complexType name="Reason_Type">
3505     <xsd:annotation>
3506         <xsd:documentation/>
3507     </xsd:annotation>
3508     <xsd:sequence>
3509         <xsd:element name="ReasonCode" type="ecc:ReasonCodeType">
3510             <xsd:annotation>
3511                 <xsd:documentation/>
3512             </xsd:annotation>
3513         </xsd:element>
3514         <xsd:element name="ReasonText" type="ecc:ReasonTextType" minOccurs="0">
3515             <xsd:annotation>
    
```

3516 <xsd:documentation/>  
3517 </xsd:annotation>  
3518 </xsd:element>  
3519 </xsd:sequence>  
3520 </xsd:complexType>  
3521 </xsd:schema>

## 3522 **10 ANNEX 1 EXTRACT OF EC REGULATION 1228/2003**

3523 It should be noted that contracts that have been signed prior to the 26 June 2003 fall  
3524 within the scope of the EC Regulation No 1228/2003 on conditions for access to the  
3525 network for cross-border exchanges in electricity. Concerning these contracts two points  
3526 are to be noted:

- 3527 1. Priority access rights to an interconnection capacity shall not be assigned to those  
3528 contracts which breach Articles 81 and 82 of the EC Treaty.
- 3529 2. Existing long-term contracts shall have no pre-emption rights when they come up for  
3530 renewal.

3531 Articles 81 and 82 of the EC treaty are:

### 3532 *Article 81*

3533 1. The following shall be prohibited as incompatible with the common market: all  
3534 agreements between undertakings, decisions by associations of undertakings and  
3535 concerted practices which may affect trade between Member States and which  
3536 have as their object or effect the prevention, restriction or distortion of competition  
3537 within the common market, and in particular those which:

- 3538 (a) directly or indirectly fix purchase or selling prices or any other trading  
3539 conditions;
- 3540 (b) limit or control production, markets, technical development, or investment;
- 3541 (c) share markets or sources of supply;
- 3542 (d) apply dissimilar conditions to equivalent transactions with other trading  
3543 parties, thereby placing them at a competitive disadvantage;
- 3544 (e) make the conclusion of contracts subject to acceptance by the other  
3545 parties of supplementary obligations which, by their nature or according to  
3546 commercial usage, have no connection with the subject of such contracts.

3547 2. Any agreements or decisions prohibited pursuant to this article shall be  
3548 automatically void.

3549 3. The provisions of paragraph 1 may, however, be declared inapplicable in the case  
3550 of:

- 3551
  - any agreement or category of agreements between undertakings,
  - 3552 ▪ any decision or category of decisions by associations of undertakings,
  - 3553 ▪ any concerted practice or category of concerted practices,

3554 which contributes to improving the production or distribution of goods or to  
3555 promoting technical or economic progress, while allowing consumers a fair share  
3556 of the resulting benefit, and which does not:

3557 (a) impose on the undertakings concerned restrictions which are not  
3558 indispensable to the attainment of these objectives;

3559 (b) afford such undertakings the possibility of eliminating competition in  
3560 respect of a substantial part of the products in question.

3561 *Article 82*

3562 Any abuse by one or more undertakings of a dominant position within the common  
3563 market or in a substantial part of it shall be prohibited as incompatible with the  
3564 common market in so far as it may affect trade between Member States.

3565 Such abuse may, in particular, consist in:

3566 (a) directly or indirectly imposing unfair purchase or selling prices or other unfair  
3567 trading conditions;

3568 (b) limiting production, markets or technical development to the prejudice of  
3569 consumers;

3570 (c) applying dissimilar conditions to equivalent transactions with other trading  
3571 parties, thereby placing them at a competitive disadvantage;

3572 (d) making the conclusion of contracts subject to acceptance by the other  
3573 parties of supplementary obligations which, by their nature or according to  
3574 commercial usage, have no connection with the subject of such contracts.