

Annex Ia
(for information only)

~~All TSOs' proposal for Capacity Calculation Regions (CCRs) in accordance with Article 15(1) of the Commission Regulation (EU) 2015/1222 of 24 July 2015 establishing a Guideline on Capacity Allocation and Congestion Management~~
Definition of the Capacity Calculation Regions (CCRs) in accordance with Article 15(1) of the Commission Regulation (EU) 2015/1222 of 24 July 2015 establishing a Guideline on Capacity Allocation and Congestion Management (CACM Regulation)

29 October 2015

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All TSOs, taking into account the following:

Whereas

- (1) This document is a common proposal developed by all Transmission System Operators (hereafter referred to as "TSOs") regarding the determination of capacity calculation regions (hereafter referred to as "CCR(s)") (hereafter referred to as "CCRs Proposal"). The CCRs Proposal takes into consideration the regions specified in point 3(2) of Annex I to Regulation (EC) No 714/2009 of the European Parliament and of the Council of 13 July 2009 on conditions for access to the network for cross border exchanges in electricity (hereafter referred to as "Regulation (EC) No 714/2009") including all existing bidding zone borders from EU member states that joined the EU after the entry into force of Annex I of Regulation (EC) No 714/2009 and that were not yet listed in this Annex I.
- (2) This CCRs Proposal takes into account the general principles and goals set in the Commission Regulation (EU) 2015/1222 establishing a guideline on capacity allocation and congestion management (hereafter referred to as the "CACM Regulation") as well as Regulation (EC) No 714/2009. The goal of the CACM Regulation is the coordination and harmonisation of capacity calculation and allocation in the day-ahead and intraday cross-border markets, and it sets requirements for the TSOs to co-operate on the level of CCRs, on a pan-European level and across bidding zone borders.
- (3) Capacity calculation for the day-ahead and intraday market timeframes should be coordinated at least at the regional level to ensure that capacity calculation is reliable and that optimal capacity is made available to the market. For this purpose, regions where such coordination is needed should be defined by all TSOs. In accordance with Article 2 (Definitions) of the CACM Regulation these regions are defined as "capacity calculation regions", meaning "the geographic area in which coordinated capacity calculation is applied". Therefore, a CCR needs to consist of a set of bidding zone borders for which the capacity calculation shall be coordinated by TSOs in accordance with the CACM Regulation.
- (4) This CCRs Proposal includes a detailed description of the CCRs, covering the existing bidding zone borders between and within European Union (EU) Members States, to which the CACM Regulation applies, and some new ones expected to be established by the end of 2018 and to be operated by TSOs certified at the moment of submission of this proposal to all regulatory authorities. The inclusion of future bidding zone borders allows for an early approval of the assignment of these bidding zones borders in the relevant CCR and as such for a smooth implementation of the CACM Regulation.
- (5) The CCRs Proposal also includes the Germany/Luxembourg-Austria (DE/LU-AT) bidding zone border under the following grounds:
 - a. the DE/LU-AT bidding zone border is included into the CEE CCR after the public consultation period, following the Opinion of the Agency for the Cooperation of Energy Regulators No 09/2015 dated 23 September 2015 (hereinafter referred to as "the Agency Opinion No 09/2015"). In this opinion the Agency stated that the "implementation of a capacity allocation procedure on the DE-AT border is required pursuant to Article 16(1) of Regulation (EC) No 714/2009 and points 1.2, 1.4 and 3.1 of Annex I to this Regulation.

Moreover, such implementation shall be coordinated at least at the level of the CEE region. Thus, the DE-AT border should form a constituent part of the CEE region for the application of coordinated capacity calculation, optimisation of allocation and secure operation of the network, as required by point 3.5 of Annex I to Regulation (EC) No 714/2009." The Agency asks further the TSOs and the regulatory authorities of the CEE region to "commit, within 4 months of the date in which this Opinion is adopted and published, to the adoption of a coordinated capacity allocation procedure on the DE-AT border, with a realistic but ambitious implementation calendar with concrete steps" for the capacity allocation on this border.

- b. All TSOs understand that the Agency Opinion No 09/2015 explicitly requires the implementation of a capacity allocation procedure on the DE-AT border which according to the same opinion shall form a constituent part of the CEE region. All TSOs understand that this opinion has been approved by regulatory authorities in accordance with the applicable governance rules of the Agency's Board of Regulators. The Agency Opinion No 09/2015 therefore reflects a common position of the regulatory authorities. With this CCRs Proposal all TSOs take over and implement this common decision of regulatory authorities, also in anticipation of an amendment requirement or an Agency's decision according to Article 9 (12) of the CACM Regulation which would otherwise be imposed. With the approval of this CCRs Proposal according to Article 9 (6) (b) of the CACM Regulation the approving regulatory authorities are able to inherently reconfirm the decision included in the Agency Opinion No 09/2015 requesting an assignment of the bidding zone border Germany Austria (DE-AT) to the CEE region and the understanding of TSOs outlined in this paragraph.
- (6) This CCRs Proposal, with the proposed CCRs configuration, represents a dynamic and pragmatic pan-European approach with a short and mid-term view of the geographical scope of CCRs that supports coordination across the bidding zone borders where there is the highest observed interdependence. The need for larger CCRs will be assessed in due time and as early as possible by the relevant TSOs after some experience on coordination within a CCR and between CCRs in accordance with the CACM Regulation has been gained.
- (7) According to Article 9 (9) of the CACM Regulation, the expected impact of the proposed CCRs on the objectives of the CACM Regulation has to be described. The impact is presented below (points 8 to 16 of the Whereas) taking into account that the CACM Regulation places the definition of these CCRs as well as the methodologies to be applied in these regions within a framework of continuous harmonisation, applying the most efficient capacity calculation methodology within each CCR.
- (8) The proposed CCRs contribute to and do not in any way hamper the achievement of the objectives of Article 3 of CACM Regulation. In particular, the proposed CCRs serve the objective ensuring optimal use of transmission infrastructure by linking bidding zone borders, where coordination needs are high in capacity calculation. Within the CCR, the interdependencies between the cross-zonal capacities can be modelled most accurately and efficiently, and the optimal level of cross-zonal capacity can be given to the market. The number of CCRs across Europe also affects the optimal use of transmission infrastructure and the calculation of cross-zonal capacity. Large number of CCRs decrease the coordination

~~possibilities across bidding zone borders, implying less optimal use of transmission infrastructure.~~

- (9) ~~However, some smaller CCRs are proposed in order to ensure operational efficiency and better consideration of regional features, such as generation mix, consumption behavior and grid topology, in capacity calculation. This possibility implies an optimal level of cross-zonal capacity for the market without endangering the operational security in case the need for coordination across bidding zone borders is low. On the other hand, where coordination needs across bidding zone borders are high, as in highly meshed transmission grids, a geographically larger CCR (and a smaller number of CCRs) is beneficial to ensure the optimal use of transmission infrastructure. Thus, the optimal number of CCRs is a mixture of CCRs, according to which in continental Europe a few, geographically large CCRs exist, and in other parts of Europe, smaller CCRs are proposed. This CCR configuration contributes to the optimal use of transmission infrastructure in accordance with Article 3(b) of the CACM Regulation.~~
- (10) ~~The proposed CCRs configuration also affects positively operational security in accordance with Article 3(e) of the CACM Regulation. If interdependency between bidding zone borders is not correctly taken into account in capacity calculation, cross-zonal capacity given to the market might be too high, enabling too high power flows on transmission lines and thus, endangering the operational security of the transmission system. Usually in these cases, less cross-zonal capacity would be given to the market to ensure operational security at the expense of optimal use of transmission infrastructure. The proposed CCRs configuration allows for a proper coordination between bidding zone borders and for modelling of regional features based on a common grid model, which give a high level of cross-zonal capacity to the market without endangering operational security.~~
- (11) ~~The CCRs serve the objective of optimising the calculation and allocation of cross-zonal capacity in accordance with Article 3(d) of the CACM Regulation as CCRs lay down coordination within a CCR and between CCRs. This is the first time that CCRs will be commonly and comprehensively defined in Europe, laying the ground for the development of regional common capacity calculation methodologies and establishment of Coordinated Capacity Calculator for each CCR. Given, for example, the need for manual operations during the calculation process, the proposed number and size of CCRs are the most feasible approach towards the objective of optimising capacity calculation. Coordination and compatibility across the regions is also explicitly required by the CACM Regulation in Articles 21 (1) (b) (vii) and 29 (9). By respective standardization and coordination, TSOs will ensure both compatible capacity calculation methodologies across CCRs and a coordinated application of the methodologies across the regions.~~
- (12) ~~One of the objectives of the CACM Regulation is to contribute to the efficient long-term operation and development of the electricity transmission system (Article 3(g) of the CACM Regulation). The coordinated capacity calculation within a CCR will reveal constraining elements in the transmission network that contribute to the long-term operation and development of the electricity transmission system and electricity sector in the Union.~~
- (13) ~~When preparing the CCRs Proposal, TSOs took careful consideration of understanding the long-term target of the CACM Regulation with regard to capacity calculation and allocation. As a long-term target, the CACM Regulation aims at harmonisation of the capacity calculation~~

methodology within the CCRs and merging of CCRs when efficiency reasons justify doing so. This CCRs Proposal is an important step on the roadmap towards this long term target. It is crucial that this roadmap is efficient and does not jeopardise progress towards the long term target. The CCRs Proposal builds, thus, on current practice and existing projects, and represents a progressively pragmatic harmonisation of capacity calculation.

- (14) — The CCRs Proposal contributes somewhat to the objective of promoting effective competition in generation, trading and supply of electricity (Article 3(a)) of the CACM Regulation) because it takes into account market specificities on bidding zone borders by allowing optimally configured CCRs to be established.
- (15) — Regarding the objective of transparency and reliability of information (Article 3(f) of the CACM Regulation), the CCRs, being proposed by all TSOs and approved by all regulatory authorities, will be the basis for further work towards market integration in the most transparent way. The proposed CCR configuration shows where coordination between bidding zone borders in capacity calculation is necessary and all TSOs of each CCR will develop common methodologies as defined in CACM Regulation. These methodologies will be consulted upon, approved by regulatory authorities when applicable and published by TSOs, thus, increasing transparency and reliability of information.
- (16) — In conclusion, the limited number of CCRs contributes to the general objectives of CACM Regulation to the benefit of all market participants and electricity end consumers.

SUBMIT THE FOLLOWING CCRs PROPOSAL TO ALL REGULATORY AUTHORITIES:

TITLE 1 General Provisions

Article 1 Subject matter and scope

1. The CCRs as determined in this CCRs Proposal shall be considered as the common proposal of all TSOs in accordance with Article 15 of CACM Regulation and following the Agency Opinion No 09/2015 and they shall cover the following:
1. The CCRs cover the following:
- all existing bidding zones borders within and between Member States, to which the CACM Regulation applies;
 - future bidding zone borders due to interconnections operated by legal entities certified as TSOs which are under construction at the time of the approval of this proposal and planned to be commissioned before 2018; and
 - the Germany/Luxembourg – Austria bidding zone border (DE/LU - AT) following the Agency Opinion No 09/2015 dated 23 September 2015 in accordance with Article 85 of this CCRs Proposal document.
2. Based on the CACM Regulation, the following terms and conditions or methodologies shall be developed in each CCR and submitted for approval to the competent regulatory authorities:
- the common capacity calculation methodology in accordance with Article 20 of the CACM Regulation;

- b) the methodology for coordinated redispatching and countertrading in accordance with Article 35(1) of the CACM Regulation;
 - c) the fallback procedures in accordance with Article 44 of the CACM Regulation; and
 - d) the redispatching or countertrading cost sharing methodology in accordance with Article 74(1) of the CACM Regulation.
3. Any changes in the bidding zone border configuration in the Member States shall be taken into account for amendment proposals ~~of this CCRs Proposal~~ concerning this document in accordance with Article 9(13) of the CACM Regulation.

Article 2 Definitions and interpretation

1. ~~For the purposes of the CCRs Proposal, terms~~ Terms used in this document shall have the meaning of the definitions included in Article 2 of the CACM Regulation.
2. In this ~~CCRs Proposal~~ document, unless the context requires otherwise:
 - a) the singular indicates the plural and vice versa;
 - b) the table of contents, headings and examples are inserted for convenience only and do not affect the interpretation of this ~~CCRs Proposal~~ document;
 - c) any reference to legislation, regulations, directive, order, instrument, code or any other enactment shall include any modification, extension or re-enactment of it then in force; and
 - d) in case of inconsistency between any of the provisions in Title 2 and the maps included in the Appendix to this ~~CCRs Proposal~~ ("Maps of the Proposed CCRs") ~~document~~ the provisions in Title 2 shall prevail; and
 - e) any reference to the bidding zones of Germany/Luxembourg (DE/LU) or Austria (AT) for the definition of the bidding zone borders in this ~~CCRs Proposal~~ document shall also be read as the bidding zone of Germany/Austria/Luxembourg (DE/AT/LU) for the purposes of capacity allocation on the affected bidding zone borders until the requirements described in Article ~~8(3)~~ 5(3) of this ~~CCRs Proposal~~ document are fulfilled.
3. This ~~CCRs Proposal~~ document shall be binding upon and shall ensure to the benefit of the TSOs as referred to herein and their permitted successors and assigns and irrespective of any change in the TSOs' names.

TITLE 2 Capacity Calculation Regions

Article 3 Capacity Calculation Region 1: Nordic

The CCR Nordic shall include the bidding zone borders listed below and shown on the map No 1 included in the Appendix to this ~~CCRs Proposal~~ document as attributed to the referred TSOs:

- a) Denmark 1 - Sweden 3 (DK1-SE3), Energinet.dk and Svenska kraftnät;
- b) Denmark 2 - Sweden 4 (DK2-SE4), Energinet.dk and Svenska kraftnät;
- c) Denmark 1 - Denmark 2 (DK1-DK2), Energinet.dk;
- d) Sweden 4 - Sweden 3 (SE4-SE3), Svenska kraftnät;
- e) Sweden 3 - Sweden 2 (SE3-SE2), Svenska kraftnät;
- f) Sweden 2 - Sweden 1 (SE2-SE1), Svenska kraftnät;
- g) Sweden 3 - Finland (SE3-FI), Svenska kraftnät and Fingrid Oyj; and
- h) Sweden 1 - Finland (SE1-FI), Svenska kraftnät and Fingrid Oyj.

Article 4 Capacity Calculation Region 2: Hansa

The CCR Hansa shall include the bidding zone borders listed below and shown on the map No 2 included in the Appendix to this ~~CCRs Proposal~~ document as attributed to the referred TSOs:

- a) Denmark 1 - Germany/Luxembourg (DK1-DE/LU), Energinet.dk and TenneT TSO GmbH;
- b) Denmark 2 - Germany/Luxembourg (DK2-DE/LU), Energinet.dk and 50Hertz Transmission GmbH; and
- c) Sweden 4 - Poland (SE4 - PL), Svenska Kraftnät and PSE S.A..

Article 5 Capacity Calculation Region 3: ~~Central-west Europe (CWE)~~Core

1. The CCR ~~CWE~~Core shall include the bidding zone borders listed below and shown on the map No 3 included in the Appendix to this ~~CCRs Proposal~~ document as attributed to the referred TSOs:

- a) France - Belgium (FR - BE), RTE – Réseau de transport d'électricité and Elia System Operator NV/SA;
- b) Belgium - Netherlands (BE - NL), Elia System Operator NV/SA and TenneT TSO B.V.;
- c) France - Germany/Luxembourg (FR - DE/LU), RTE – Réseau de transport d'électricité; Amprion GmbH and TransnetBW GmbH;
- d) Netherlands - Germany/Luxembourg (NL - DE/LU), TenneT TSO B.V. and TenneT TSO GmbH and Amprion GmbH; and
- e) ~~Belgium - Germany/Luxembourg (BE-DE/LU), Elia System Operator NV/SA and Creos Luxembourg S.A..~~
- f) ~~Germany/Luxembourg - Poland (DE/LU - PL), 50Hertz Transmission GmbH and PSE S.A.;~~
- g) ~~Germany/Luxembourg - Czech Republic (DE/LU - CZ), TenneT TSO GmbH, 50Hertz Transmission GmbH and ČEPS, a.s.;~~
- h) ~~Austria - Czech Republic (AT - CZ), Austrian Power Grid AG and ČEPS, a.s.;~~
- i) ~~Austria - Hungary (AT - HU), Austrian Power Grid AG and MAVIR Hungarian Independent Transmission Operator Company Ltd.;~~
- j) ~~Austria - Slovenia (AT - SI), Austrian Power Grid AG and ELES, d.o.o.;~~
- k) ~~Czech Republic - Slovakia (CZ - SK), ČEPS, a.s. and Slovenská elektrizačná prenosová sústava, a.s.;~~
- l) ~~Czech Republic - Poland (CZ - PL), ČEPS, a.s. and PSE S.A.;~~
- m) ~~Hungary - Slovakia (HU - SK), MAVIR Hungarian Independent Transmission Operator Company Ltd. and Slovenská elektrizačná prenosová sústava, a.s.;~~
- n) ~~Poland - Slovakia (PL - SK), PSE S.A. and Slovenská elektrizačná prenosová sústava, a.s.;~~
- o) ~~Croatia - Slovenia (HR - SI), Croatian Transmission System Operator Ltd. (HOPS d.o.o.), ELES, d.o.o.;~~
- p) ~~Croatia - Hungary (HR - HU), Croatian Transmission System Operator Ltd. (HOPS d.o.o.), MAVIR Hungarian Independent Transmission Operator Company Ltd.;~~
- q) ~~Romania - Hungary (RO - HU), Compania Națională de Transport al Energiei Electrice "Transelectrica" S.A., MAVIR Hungarian Independent Transmission Operator Company Ltd.;~~
- r) ~~Hungary - Slovenia (HU - SI), MAVIR Hungarian Independent Transmission Operator Company Ltd., ELES, d.o.o.; and~~

~~r) Germany/Luxembourg - Austria (DE/LU - AT), Austrian Power Grid AG, TransnetBW GmbH, TenneT TSO GmbH and Amprion GmbH,~~

s)

- ~~2. The assignment of the bidding zone border BE-DE/LU to the CCR CWE in accordance with paragraph 1 item e) of this Article shall be effective from the date of operation of the interconnection on this bidding zone border, which is under construction at the date of submission of this CCRs Proposal.~~
- ~~3. For coordination purposes and due to existing interdependencies, 50Hertz Transmission GmbH, Creos Luxembourg S.A. and Austrian Power Grid AG shall be also attributed to the CCR CWE from the approval of this CCRs Proposal.~~
- ~~2. The assignment of the bidding zone border BE-DE/LU to the CCR Core shall be effective from the date of operation of the interconnection on this bidding zone border.~~
- ~~3. For the avoidance of doubt, capacity allocation on the DE/LU - AT border shall be introduced in line with an implementation calendar to be agreed upon by the relevant regulatory authorities and TSOs and at the latest when implementation of flow-based capacity calculation takes places in the CCR Core in accordance with the CACM Regulation.~~
- ~~4. The assignment of the bidding zone border HU-SI to the CCR Core shall be effective from the date of operation of the interconnection on this bidding zone border.~~

Article 6

Capacity Calculation Region 4: Italy North

The CCR Italy North shall include the bidding zone borders listed below and shown on the map No 4 included in the Appendix to this ~~CCRs Proposal~~ document as attributed to the referred TSOs:

- a) Italy NORD - France (NORD - FR), TERNA Rete Elettrica Nazionale S.p.A. and RTE - Réseau de transport d'électricité;
- b) Italy NORD - Austria (NORD - AT), TERNA Rete Elettrica Nazionale S.p.A. and Austrian Power Grid AG; and
- c) Italy NORD - Slovenia (NORD - SI), TERNA Rete Elettrica Nazionale S.p.A. and ELES d.o.o.

Article 7

Capacity Calculation Region 5: Greece-Italy (GRIT)

The CCR GRIT shall include the bidding zone borders listed below and shown on the map No 5 included in the Appendix to this ~~CCRs Proposal~~ document as attributed to the referred TSOs:

- a) Italy BRNN - Greece (BRNN - GR), TERNA Rete Elettrica Nazionale S.p.A. and Independent Power Transmission Operator S.A.;
- b) Italy NORD - Italy CNOR (NORD - CNOR), TERNA Rete Elettrica Nazionale S.p.A.;
- c) Italy CNOR - Italy CSUD (CNOR - CSUD), TERNA Rete Elettrica Nazionale S.p.A.;
- d) Italy CNOR - Italy SARD (CNOR - SARD), TERNA Rete Elettrica Nazionale S.p.A.;
- e) Italy SARD - Italy CSUD (SARD - CSUD), TERNA Rete Elettrica Nazionale S.p.A.;

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- f) Italy CSUD - Italy SUD (CSUD - SUD), TERNA Rete Elettrica Nazionale S.p.A.;
- g) Italy SUD - Italy BRNN (SUD - BRNN), TERNA Rete Elettrica Nazionale S.p.A.;
- h) Italy SUD - Italy FOGN (SUD - FOGN), TERNA Rete Elettrica Nazionale S.p.A.;
- i) Italy SUD - Italy ROSN (SUD - ROSN), TERNA Rete Elettrica Nazionale S.p.A.;
- j) Italy ROSN - Italy SICI (ROSN - SICI), TERNA Rete Elettrica Nazionale S.p.A; and
- k) Italy SICI - Italy PRGP (SICI - PRGP), TERNA Rete Elettrica Nazionale S.p.A.

Article 8

Capacity Calculation Region 6: Central Eastern Europe (CEE)

1. ~~The CCR CEE shall include the bidding zone borders listed below and shown on the map No 6 included in the Appendix to this CCRs Proposal as attributed to the referred TSOs:~~

- t) ~~Germany/Luxembourg - Poland (DE/LU - PL), 50Hertz Transmission GmbH and PSE S.A.;~~
- u) ~~Germany/Luxembourg - Czech Republic (DE/LU - CZ), TenneT TSO GmbH, 50Hertz Transmission GmbH and ČEPS, a.s.;~~
- v) ~~Austria - Czech Republic (AT - CZ), Austrian Power Grid AG and ČEPS, a.s.;~~
- w) ~~Austria - Hungary (AT - HU), Austrian Power Grid AG and MAVIR Hungarian Independent Transmission Operator Company Ltd.;~~
- x) ~~Austria - Slovenia (AT - SI), Austrian Power Grid AG and ELES, d.o.o.;~~
- y) ~~Czech Republic - Slovakia (CZ - SK), ČEPS, a.s. and Slovenská elektrizačná prenosová sústava, a.s.;~~
- z) ~~Czech Republic - Poland (CZ - PL), ČEPS, a.s. and PSE S.A.;~~
- aa) ~~Hungary - Slovakia (HU - SK), MAVIR Hungarian Independent Transmission Operator Company Ltd. and Slovenská elektrizačná prenosová sústava, a.s.;~~
- bb) ~~Poland - Slovakia (PL - SK), PSE S.A. and Slovenská elektrizačná prenosová sústava, a.s.;~~
- ö) ~~Croatia - Slovenia (HR - SI), Croatian Transmission System Operator Ltd. (HOPS d.o.o.), ELES, d.o.o.;~~
- dd) ~~Croatia - Hungary (HR - HU), Croatian Transmission System Operator Ltd. (HOPS d.o.o.), MAVIR Hungarian Independent Transmission Operator Company Ltd.;~~
- ee) ~~Romania - Hungary (RO - HU), Compania Națională de Transport al Energiei Electrice "Transelectrica" S.A., MAVIR Hungarian Independent Transmission Operator Company Ltd.;~~
- ff) ~~Hungary - Slovenia (HU - SI), MAVIR Hungarian Independent Transmission Operator Company Ltd., ELES, d.o.o., and~~
- gg) ~~Germany/Luxembourg - Austria (DE/LU - AT), Austrian Power Grid AG, TransnetBW GmbH, TenneT TSO GmbH and Amprion GmbH.~~

2. ~~The assignment of the bidding zone border BE-DE/LU to the CCR in accordance with the Agency Opinion 09/2015 dated 23 September 2015 regarding the compliance of the congestion management rules on the Germany/Luxembourg - Austria border with existing European legislation the bidding zone border DE/LU - AT described in paragraph 1 item n) shall be assigned to the CCR CEE. This assignment shall, without prejudice to paragraph 3, be effective from the approval of this CCRs Proposal by all regulatory authorities or a decision by the Agency in accordance with Article 9 of the CACM Regulation. From the approval of this CCRs Proposal, the TSOs responsible for the DE/LU - AT bidding zone border and not already listed for any other border under paragraph (1) a) - m) shall, without prejudice to paragraph 3, cooperate with the TSOs from the CCR CEE for the preparation of the methodologies and proposals to be developed by the CCR CEE in accordance with Article 1(2) of this CCRs Proposal.~~

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4. For the avoidance of doubt, capacity allocation on the DE/LU – AT border shall be introduced in line with the implementation calendar agreed upon by the relevant regulatory authorities and TSOs in accordance with the Agency Opinion No 09/2015 and at the latest when implementation of flow-based capacity calculation takes places in the CCR CEE in accordance with the CACM Regulation.
5. The assignment of the bidding zone border HU-SI to the CCR CEE in accordance with paragraph 1 item m) of this Article shall be effective from the date of operation of the interconnection on this bidding zone border, which is under construction at the date of submission of this CCRs Proposal.

Article 9 **Merger of the CCRs CWE and CEE**

Under ENTSO-E facilitation the TSOs from the CCRs CWE and the CEE shall closely cooperate from the moment of the submission of this CCRs Proposal to all regulatory authorities towards the merger of the two CCRs, which shall take place as soon as possible. In order to define a clear roadmap, the TSOs from the CCRs CWE and the CEE shall submit within four (4) months after the submission of this CCRs Proposal to the relevant regulatory authorities of the proposed CCRs CWE and CEE a joint roadmap on how to merge the two CCRs. This joint roadmap shall use, as a basis, existing solutions on the flow-based day ahead and intraday capacity calculation methodology, which shall be amended where necessary to adapt, among others, to the different grid structures of CWE and CEE TSOs.

Article 108 **Capacity Calculation Region 76: South-west Europe (SWE)**

The CCR SWE shall include the bidding zone borders listed below and shown on the map No 76 included in the Appendix to this [CCRs Proposal document](#) as attributed to the referred TSOs:

- a) France - Spain (FR - ES), RTE - Réseau de transport d'électricité and REE - Red Eléctrica de España, S.A.U.; and
- b) Spain - Portugal (ES - PT), REE - Red Eléctrica de España, S.A.U. and REN - Rede Eléctrica Nacional, S.A..

Article 119 **Capacity Calculation Region 87: Ireland and United Kingdom (IU)**

The CCR IU shall include the bidding zone border between Great Britain and Single Energy Market in Ireland and Northern Ireland attributed to the EirGrid, Moyle Interconnector (Moyle), National Grid Electricity Transmission plc (NGET) and SONI. The IU CCR is shown on the map No 87 included in the Appendix to this [CCRs Proposal document](#).

Article 1210 **Capacity Calculation Region 98: Channel**

The CCR Channel shall include the bidding zone borders listed below and shown on the map No 98 included in the Appendix to this [CCRs Proposal document](#) as attributed to the referred TSOs:

- a) France - Great Britain (FR - GB), RTE - Réseau de transport d'électricité, National Grid Electricity Transmission plc (NGET) and National Grid Interconnectors Limited (NGIC); and

- b) Netherlands - Great Britain (NL - GB), BritNed Development Limited (BritNed) and TenneT TSO B.V..

Article 1311
Capacity Calculation Region 109: Baltic

1. The CCR Baltic shall include the bidding zone borders listed below and shown on the map No 109* included in the Appendix to this ~~CCRs Proposal~~document as attributed to the referred TSOs:

- a) Estonia - Latvia (EE - LV), Elering AS and Augstsprieguma tīkls;
- b) Latvia - Lithuania (LV - LT), Augstsprieguma tīkls and Litgrid AB; and
- c) Estonia - Finland (EE - FI), Elering AS and Fingrid Oyj;
- d) Lithuania - Sweden 4 (LT-SE4), Litgrid AB and Svenska kraftnät; and
- e) Lithuania- Poland (LT-PL), Litgrid AB and PSE S.A..

2. ~~The assignment of the bidding zone borders LT-SE4 and LT-PL to the CCR Baltic in accordance with paragraph 1 items d) and e) of this Article shall be effective from the date of operation of the interconnections on this bidding zone borders, which are under construction at the date of submission of this CCRs Proposal.~~

Article 1412
Capacity Calculation Region 110: South-east Europe (SEE)

The CCR SEE shall include the bidding zone borders listed below and shown on the map No 110 included in the Appendix to this ~~CCRs Proposal~~document as attributed to the referred TSOs:

- a) Greece - Bulgaria (GR - BG), Independent Power Transmission Operator S.A. and Elektroenergien Sistemen Operator (ESO) EAD; and
- b) Bulgaria - Romania (BG - RO), Elektroenergien Sistemen Operator (ESO) EAD and Compania Națională de Transport al Energiei Electrice "Transelectrica" S.A..

TITLE 3
Final provisions

Article 1513
Implementation date of CCRs

The TSOs shall apply the ~~proposed~~CCRs as described in Title 2 as soon as ~~all regulatory authorities have approved the proposed CCRs or a~~the decision has been taken by the Agency in accordance with Article 9(11) and 9(12) of the CACM Regulation.

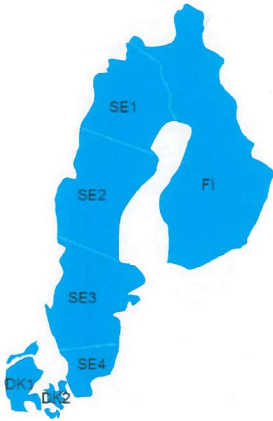
Article 1614
Language

The official language for this ~~CCRs Proposal~~document shall be English. For the avoidance of doubt, where TSOs need to translate this ~~CCRs Proposal~~document into their national language(s), in the event of inconsistencies between the English version published by TSOs in accordance with Article 9-(14) of the CACM Regulation and any version in another language, the interpretation of the English version published by TSOs shall prevail.

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Appendix: Maps of the proposed CCRs

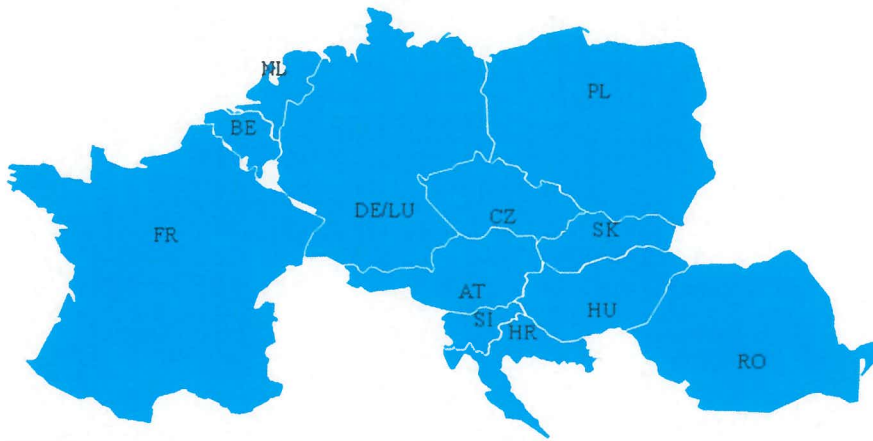
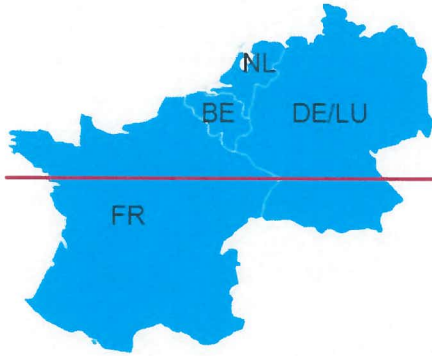
1. Capacity Calculation Region 1: Nordic



2. Capacity Calculation Region 2: Hansa (PL-DE/LU, DK2-SE4 and DK1-DK2 bidding zone borders are not part of this CCR)

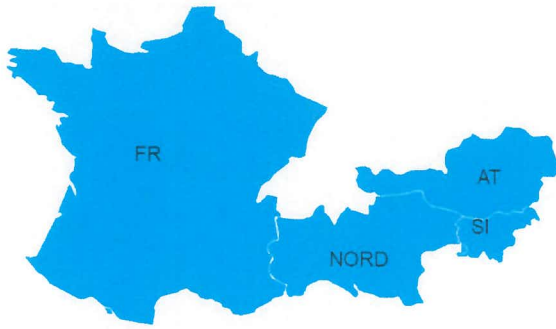


3. Capacity Calculation Region 3: Central west Europe (CWE)Core



4. Capacity Calculation Region 4: Italy North (AT-SI bidding zone border is not part of this CCR)

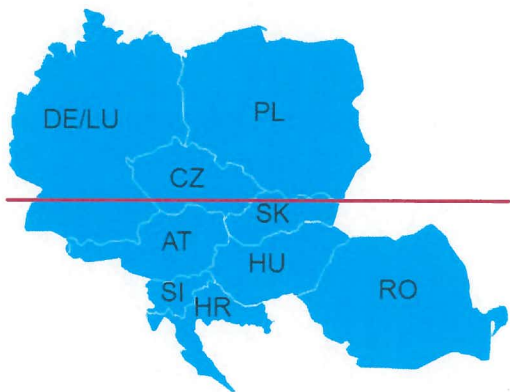
All TSOs' proposal for Capacity Calculation Regions (CCRs) in accordance with Article 15(1) of the Commission Regulation (EU) 2015/1222 of 24 July 2015 establishing a Guideline on Capacity Allocation and Congestion Management



5. Capacity Calculation Region 5: Greece-Italy (GRIT)



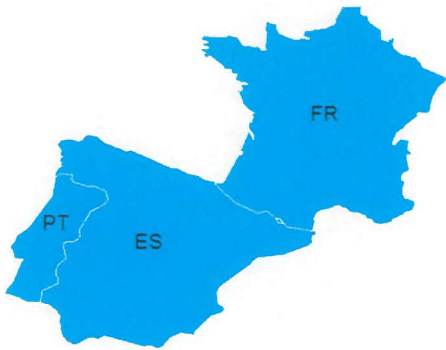
6. Capacity Calculation Region 6: Central Eastern Europe (CEE)



All TSOs' proposal for Capacity Calculation Regions (CCRs) in accordance with Article 15(1) of the Commission Regulation (EU) 2015/1222 of 24 July 2015 establishing a Guideline on Capacity Allocation and Congestion Management



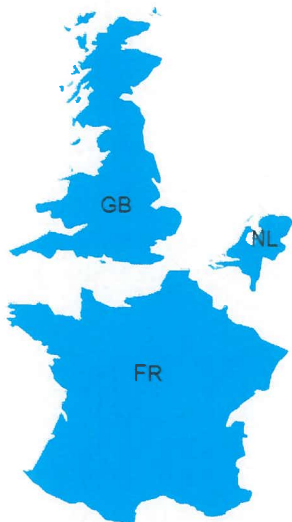
7.6. Capacity Calculation Region 76: South-west Europe (SWE)



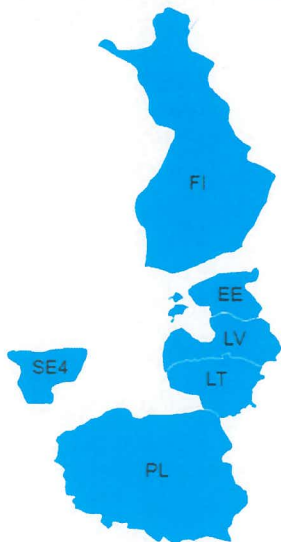
8.7. Capacity Calculation Region 87: Ireland and United Kingdom (IU)



9.8. Capacity Calculation Region 98: Channel



10.9. Capacity Calculation Region 109: Baltic (SE4-PL bidding zone border is not part of this CCR)



4.10. Capacity Calculation Region 4.10: South-east Europe (SEE)

