

**DEFINITION OF THE CAPACITY
CALCULATION REGIONS 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**

| 6 November 2020

Whereas

- (1) This document sets the determination of capacity calculation regions (hereafter referred to as "CCRs") as defined 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 (hereafter referred to as the "CCRs Proposal").
- (2) On 17 November 2015, all Transmission System Operators (hereafter referred to as "all TSOs") submitted the "All TSOs' proposal for Capacity Calculation Regions 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" (hereafter referred to as the "CACM Regulation"), together with an explanatory note to their respective national regulatory authorities.
- (3) On 17 November 2016 the Agency for the Cooperation of Energy Regulators (hereafter referred to as "ACER") issued its Decision 06/2016 on the "Electricity Transmission System Operators' Proposal for the Determination of Capacity Calculation Regions" (hereafter referred to as "ACER Decision 06/2016"). This decision included, among others, the merger of the proposed CCR CWE and CCR CEE into CCR Core including the bidding zone border between Austria and Germany/Luxembourg.
- (4) On 30 June 2017, in accordance with Article 9(13) of the CACM Regulation, all TSOs submitted to all NRAs a first proposal for amendment of ACER Decision 06/2016 in order to introduce the Belgium - Great Britain bidding zone border (through NemoLink) and assign it to CCR Channel. On 18 September 2017, all NRAs agreed to approve the first proposal for amendment of ACER Decision 06/2016 and subsequently adopted decisions to approve the proposed amendment (hereafter referred to as the "all NRAs CCR Decision 2017").
- (5) On 23 May 2018, all TSOs, having obligations pursuant to the CACM Regulation, submitted to all NRAs the second proposal for amendment in order to assign the IFA2 and ElecLink cables to the existing France - Great Britain bidding zone border in CCR Channel, introduce the Belgium – Germany bidding zone border (through ALEGrO) and assign it to CCR Core and introduce the Denmark 1 – Netherlands bidding zone border (through CobraCable) and assign it to CCR Hansa (further discussed in ACER's corresponding decision). On 2 October 2018 all regulatory authorities requested ACER to adopt a decision on the second proposal for amendment, pursuant to Article 9(11) of the CACM Regulation. On 1 April 2019 ACER issued its Decision 04/2019 on the Electricity Transmission System Operators' Proposal for the Determination of Capacity Calculation Regions (hereafter referred to as "ACER Decision 04/2019").
- (6) By its judgments of 24 October 2019 in the cases T-332/17 and T-333/17, the General Court annulled the ACER Board of Appeal's (hereafter referred to as "ACER BoA") Decision A-001-2017 (consolidated) of 17 March 2017 dismissing the appeal against ACER Decision 06/2016. Despite the annulment of the ACER BoA Decision, ACER Decision 06/2016 has not been annulled. The ACER BoA has relaunched the procedure on the annulment of ACER Decision 06/2016 and issued a new decision on 22 May 2020. With the latter, ACER BoA did not annul ACER Decision 06/2016, but remitted the case to the Director of ACER and specified that *"the competent party or parties – based on the rules of competence provided for by regulations currently in force – should review the Contested Decision, i.e. ACER Decision 06/2016, and amend it, replace it or confirm it, as they see relevant, and based on current circumstances. Hence the Agency should refer the decision to such party or parties. The Contested Decision will remain in force until such amendment, replacement or confirmation, if any"*.
- (7) On 5 June 2020, ACER's Director sent a request to the TSOs inviting all TSOs to prepare an updated CCRs proposal and formally submit it to ACER for approval in the shortest time possible; drawing TSOs attention on:

- (i) The changes since the initial all TSOs CCRs proposal of 29 October 2015. In particular, there have been two amendments to the CCRs as defined by ACER Decision 06/2016, and,
 - (ii) Article 5(2) of Regulation (EU) 2019/942 introduced a new procedure for the approval of proposals for common terms and conditions or methodologies where the CCRs proposal is now to be submitted directly to ACER.
- (8) On 5 June 2020, ACER's Board of Regulators sent a letter to the TSOs expressing full support and endorsement on the views and process set out by the ACER Director in his letter of 5 June.
- (9) All TSOs have agreed to cooperate on this request and subsequently are submitting this CCRs proposal. This CCRs proposal includes the previous changes in CCR determinations, namely ACER Decision 06/2016, all NRAs CCR Decision 2017 and ACER Decision 04/2019.
- (10) With regard to ACER Decision 04/2019, Annex1, Article 6, to which Article 14 of this proposal refers, all TSOs have analysed the optimal determination of CCRs with regard to CCR Hansa and CCR Channel. All TSOs have submitted this assessment report on the 1st of October 2020. According to ACER's decision the analysis in the assessment report shall include:
- *"The reassignment of the Hansa bidding zone borders DK1-NL and DK1-DE/LU to CCR Core, unless proven in the supporting document that placing these two borders in another CCR is more efficient;*
 - *Based on the analysis in the supporting document, the potential reassignment of other CCR Hansa and CCR Channel bidding zone borders to CCR Core or CCR Nordic without impacting other CCRs; and an implementation timeline for the proposed amendments.*

If the analysis shows that no change of CCR Hansa and CCR Channel is needed, all TSOs shall submit to the regulatory authorities the analysis without a proposal for amendment of the determination of the CCRs."

The evaluation of the assessment report by ACER is currently ongoing and has not been finished at the time of submitting the CCRs Proposal. Due to this, any consequences of the assessment report, or the evaluation by ACER thereof, have not been included in this CCRs proposal.

- (11) Due to the results of the Italian bidding zone review, performed in compliance with CACM Regulation requirements, and in accordance with Decision 103/2019/R/eel of the Italian National Regulatory Authority (Italian NRA), the current determination of CCR GRIT needs to be updated to take into account the changes in the bidding zone configuration entering in force as of the 1st of January 2021. This new configuration provides for the abolishment of the Italian virtual bidding zone "Rossano", the introduction of the new geographical bidding zone "Calabria" and the movement of the "Umbria" region from the "Centro-Nord" to the "Centro-Sud" bidding zone. These changes result in the new bidding zone borders Italy SUD – Italy CALA and Italy CALA - Italy SICI and the cancellation of the bidding zone borders Italy SUD – Italy ROSN and Italy ROSN – Italy SICI. Until the 31st of December 2020 the bidding zone configuration as approved by ACER Decision 04/2019 shall be applied.
- (12) The methodologies and processes developed on a CCR level by the EU TSOs will have an impact on the network operation of the whole synchronously interconnected power systems, including the systems of some third country TSOs in the meaning of Recital 70 of the Regulation (EU) 2019/943. In order to safeguard against potential risks for secure system operation in the EU or in synchronously interconnected third countries, the mutual impact of EU and third country power systems should be duly considered in the methodologies and processes where such impact on the secure system operation exists. The level of this consideration shall correspond to the extent the third country TSOs are bound to comply with key planning and operational principles and is to be implemented by means of an inter-TSO or intergovernmental agreements reflected in regional methodologies and processes.

- (13) This CCRs proposal takes into account the general principles and goals set in the CACM Regulation as well as Regulation (EC) Regulation (EU) 2019/943. 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 cooperate on the level of CCRs, on a pan-European level and across bidding zone borders.
- (14) 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 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.
- (15) 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, at the cost of increasing complexity in capacity calculation for larger CCRs. The proposed CCRs configuration strikes the balance between both aspects ('larger where possible, smaller where necessary') and consequently contributes to the optimal use of transmission infrastructure in accordance with Article 3(b) of the CACM Regulation.
- (16) The proposed CCRs configuration also affects positively operational security in accordance with Article 3(c) 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, potentially causing overloads 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.
- (17) 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 and the ground for the development and implementation of regional common capacity calculation methodologies and establish 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.
- (18) 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.
- (19) When preparing the CCRs Proposal, all 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 regional capacity calculation methodologies

of CCRs and merging 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.

- (20) The CCRs Proposal contributes 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.
- (21) 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.
- (22) In conclusion, the CCRs Proposal contributes to the general objectives of the CACM Regulation to the benefit of all market participants and electricity end consumers.

TITLE 1

General Provisions

Article 1

Subject matter and scope

1. The CCRs cover the following:
 - a) all existing bidding zone borders within and between Member States, to which the CACM Regulation applies;
 - b) 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.
2. Any changes in the bidding zone border configuration in the Member States shall be taken into account for amendment proposals concerning the CCRs Proposal in accordance with Article 9(13) of the CACM Regulation.

Article 2

Definitions and interpretation

1. Terms used in this document shall have the meaning of the definitions included in Article 2 of the CACM Regulation.
2. In this 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 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 document the provisions in Title 2 shall prevail.
3. This 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 map 1 included in the Appendix to this document, as attributed to the referred TSOs:

- a) Denmark 1 - Sweden 3 (DK1 - SE3), Energinet and Svenska kraftnät;
- b) Denmark 2 - Sweden 4 (DK2 - SE4), Energinet and Svenska kraftnät;
- c) Denmark 1 - Denmark 2 (DK1 - DK2), Energinet;
- 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 map 2 included in the Appendix to this document, as attributed to the referred TSOs:

- a) Denmark 1 - Germany/Luxembourg (DK1 - DE/LU), Energinet and TenneT TSO GmbH;
- b) Denmark 2 - Germany/Luxembourg (DK2 - DE/LU), Energinet and 50Hertz Transmission GmbH;
- c) Sweden 4 - Poland (SE4 - PL), Svenska Kraftnät and Polskie Sieci Elektroenergetyczne S.A.;
- d) Denmark 1 - Netherlands (DK1 - NL), Energinet and TenneT TSO B.V.; and
- e) Sweden 4 - Germany/Luxembourg (SE4 - DE/LU), Svenska Kraftnät, TenneT TSO GmbH and Baltic Cable AB.

Article 5

Capacity Calculation Region 3: Core

1. The CCR Core shall include the bidding zone borders listed below, and shown on map 3 included in the Appendix to this document, as attributed to the referred TSOs:
 - a) France - Belgium (FR - BE), RTE - Réseau de transport d'électricité and Elia Transmission Belgium NV/SA;
 - b) Belgium - Netherlands (BE - NL), Elia Transmission Belgium 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., TenneT TSO GmbH and Amprion GmbH;
 - e) Belgium - Germany/Luxembourg (BE - DE/LU), Elia Transmission Belgium NV/SA, Creos Luxembourg S.A. and Amprion GmbH;
 - f) Germany/Luxembourg - Poland (DE/LU - PL), 50Hertz Transmission GmbH and Polskie Sieci Elektroenergetyczne 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 Polskie Sieci Elektroenergetyczne 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), Polskie Sieci Elektroenergetyczne S.A. and Slovenská elektrizačná prenosová sústava, a.s.;
 - o) Croatia - Slovenia (HR - SI), Croatian Transmission System Operator Ltd. (HOPS d.o.o.) and ELES, d.o.o.;
 - p) Croatia - Hungary (HR - HU), Croatian Transmission System Operator Ltd. (HOPS d.o.o.) and MAVIR Hungarian Independent Transmission Operator Company Ltd.;
 - q) Romania - Hungary (RO - HU), Compania Națională de Transport al Energiei Electrice "Transelectrica" S.A. and MAVIR Hungarian Independent Transmission Operator Company Ltd.;
 - r) Hungary - Slovenia (HU - SI), MAVIR Hungarian Independent Transmission Operator Company Ltd. and ELES, d.o.o.; and
 - s) 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 borders BE-DE/LU and HU-SI to the CCR Core shall be effective from the date of operation of the interconnection on the respective 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 map 4 included in the Appendix to this 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)

Until the end of the 31st of December 2020, the CCR GRIT shall include the bidding zone borders listed below as attributed to the referred TSOs:

- a) Italy SUD - Greece (SUD - 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.;
- f) Italy CSUD - Italy SUD (CSUD - SUD), TERNA Rete Elettrica Nazionale S.p.A.;
- g) Italy SUD - Italy ROSN (SUD - ROSN), TERNA Rete Elettrica Nazionale S.p.A.; and
- h) Italy ROSN - Italy SICI (ROSN - SICI), TERNA Rete Elettrica Nazionale S.p.A..

From the 1st of January 2021, in accordance with Decision 103/2019/R/eel of the Italian National Regulatory Authority, the CCR GRIT shall include the bidding zone borders listed below, and shown on map 5 included in the Appendix to this document, as attributed to the referred TSOs:

- a) Italy SUD - Greece (SUD - 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.;
- f) Italy CSUD - Italy SUD (CSUD - SUD), TERNA Rete Elettrica Nazionale S.p.A.;
- g) Italy SUD - Italy CALA (SUD - CALA), TERNA Rete Elettrica Nazionale S.p.A.; and
- h) Italy CALA - Italy SICI (CALA - SICI), TERNA Rete Elettrica Nazionale S.p.A..

Article 8

Capacity Calculation Region 6: South-west Europe (SWE)

The CCR SWE shall include the bidding zone borders listed below, and shown on map 6 included in the Appendix to this 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 9

Capacity Calculation Region 7: Ireland and United Kingdom (IU)

The CCR IU shall include the bidding zone border between Great Britain and the Single Energy Market in Ireland and Northern Ireland. The bidding zone border is attributed to the TSOs National Grid Electricity System Operator Limited (NGESO), EirGrid Plc, System Operator for Northern Ireland Limited (SONI) and Moyle Interconnector Limited (Moyle) and interconnector operator EirGrid Interconnector DAC. The CCR IU is shown on map 7 included in the Appendix to this document.

Article 10

Capacity Calculation Region 8: Channel

The CCR Channel shall include the bidding zone borders listed below, and shown on map 8 included in the Appendix to this document, as attributed to the referred TSOs:

- a) France - Great Britain (FR - GB), RTE - Réseau de transport d'électricité, National Grid Electricity System Operator Limited (NGESO), National Grid Interconnectors Limited (NGIC), National Grid IFA2 Limited (IFA2) and ElecLink Limited (ElecLink);
- b) Netherlands - Great Britain (NL - GB), BritNed Development Limited (BritNed), National Grid Electricity System Operator Limited (NGESO) and TenneT TSO B.V.; and
- c) Belgium - Great Britain (BE - GB), Elia Transmission Belgium NV/SA, National Grid Electricity System Operator Limited (NGESO) and Nemo Link Limited (Nemo Link).

Article 11

Capacity Calculation Region 9: Baltic

The CCR Baltic shall include the bidding zone borders listed below, and shown on map 9 included in the Appendix to this 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;
- 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 Polskie Sieci Elektroenergetyczne S.A..

Article 12

Capacity Calculation Region 10: South-east Europe (SEE)

The CCR SEE shall include the bidding zone borders listed below, and shown on map 10 included in the Appendix to this document, as attributed to the referred TSOs:

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

TITLE 3

Final provisions

Article 13

Implementation date of CCRs

All TSOs shall apply the CCRs as described in Title 2 as soon as the decision has been taken by ACER in accordance with Article 9(6) (b) CACM of the CACM Regulation and Article 5 (2) (b) Regulation (EU) 2019/942.

Article 14

Transitional arrangements

1. The provisions in ACER Decision 04/2019, Annex 1, Article 6:

"1. No later than 18 months after the entry into force of this Second Amendment, all TSOs shall analyse the optimal determination of CCRs with regard to Hansa and Channel CCRs and submit a proposal for the amendment of the determination of those CCRs in accordance with Article 9(13) of the CACM Regulation. This proposal shall be accompanied by a document assessing the possible alternatives for the bidding zone borders of the Hansa and Channel CCR. If this analysis shows that no change of the Hansa and Channel CCRs is

needed, all TSOs shall submit to the regulatory authorities the analysis without a proposal for amendment of the determination of the CCRs.

2. The analysis pursuant to paragraph 1 shall include:

- (a) a description of the possible alternatives for minimising the unscheduled allocated flows in the neighbouring Core and Nordic CCRs due to interconnectors in Hansa and Channel CCRs;
- (b) a qualitative assessment of the implementation time and effort of the described alternatives; and
- (c) a qualitative assessment of the operational efforts of the described alternatives; and
- (d) identification of changes needed to the determination of CCRs for minimising the unscheduled allocated flows in the neighbouring CCRs of the Core and Nordic CCRs due to interconnectors in Hansa and Channel CCRs.

3. The proposal pursuant to paragraph 1 shall include:

- (a) the reassignment of the Hansa bidding zone borders DK1 - NL and DK1 - DE/LU to the Core CCR, unless proven in the supporting document that placing these two borders in another CCR is more efficient;
- (b) based on the analysis in the supporting document, the potential reassignment of the other Hansa and Channel CCR bidding zone borders to the Core or Nordic CCR without impacting other CCRs; and
- (c) an implementation timeline for the proposed amendments."

shall remain applicable.

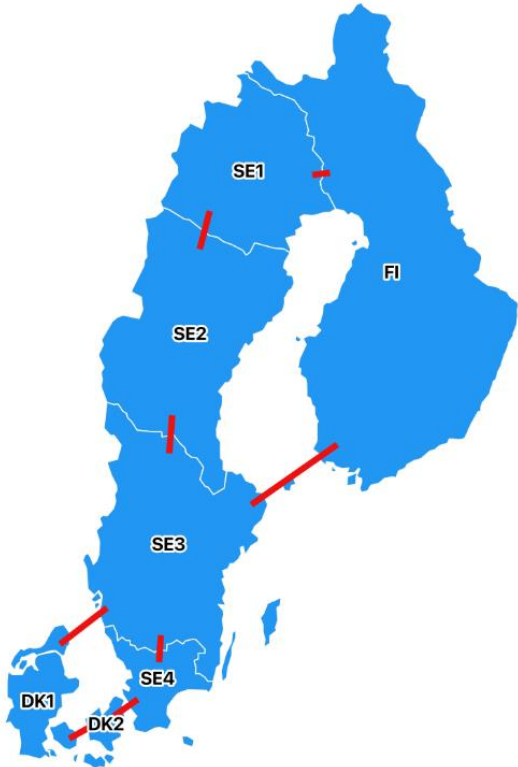
Article 15

Language

The reference language for this document shall be English. For the avoidance of doubt, where TSOs need to translate this document into their national language(s), in the event of inconsistencies between the English version published by all TSOs in accordance with Article 9(14) of the CACM Regulation and any version in another language, the relevant TSOs shall, in accordance with national legislation, provide the relevant national regulatory authorities with translation of this document.

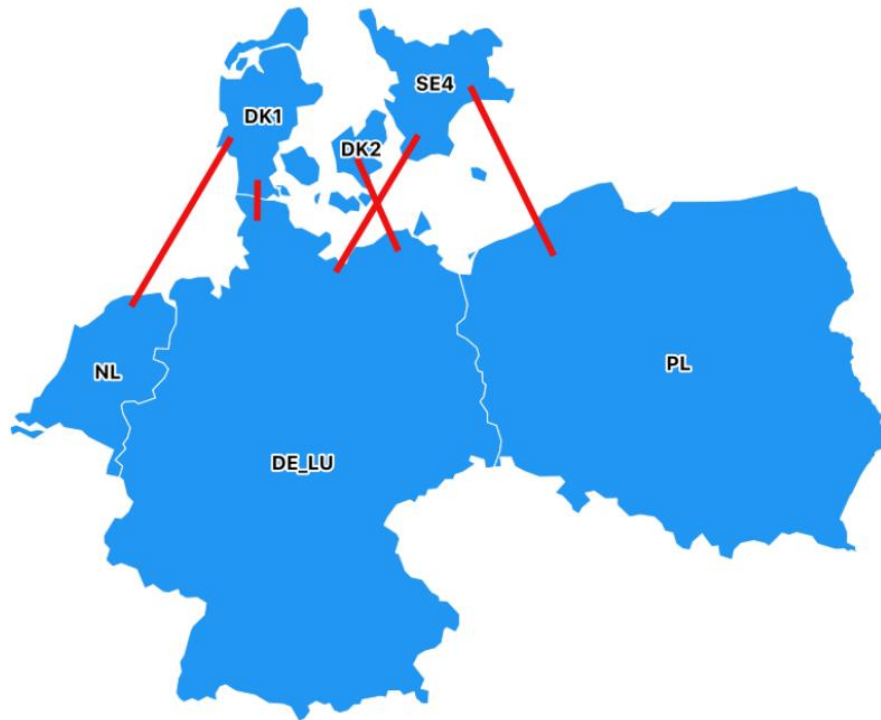
Appendix: Maps of the proposed CCRs

- 1. Capacity Calculation Region 1: Nordic

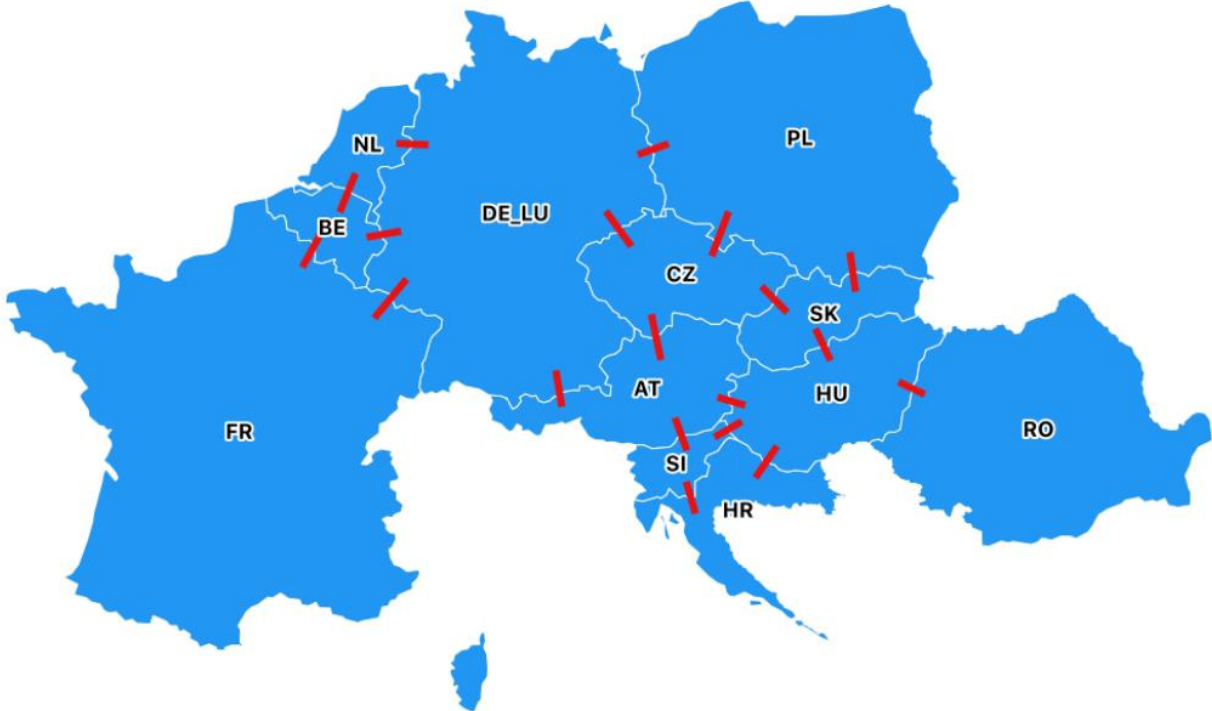


2. Capacity Calculation Region 2: Hansa

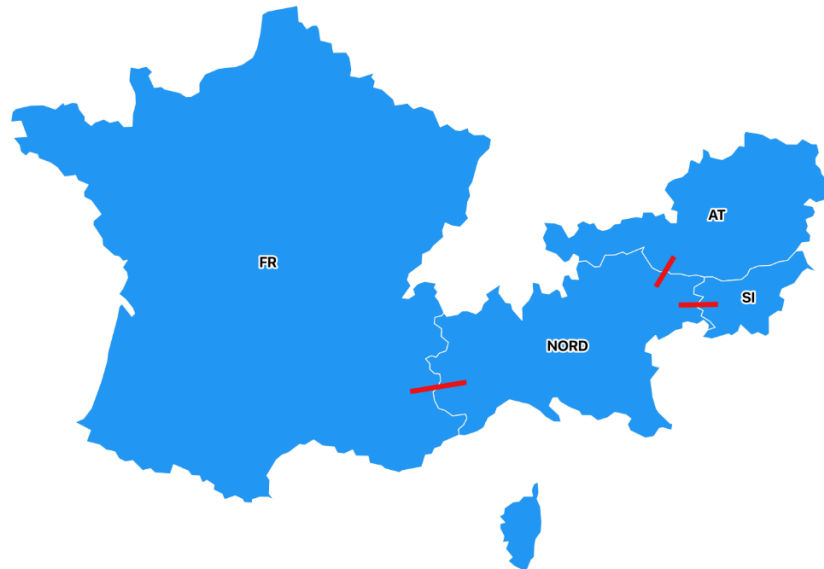
Note: The PL-DE/LU, NL-DE/LU, DK2-SE4 and DK1-DK2 bidding zone borders are not part of this CCR.



3. Capacity Calculation Region 3: Core



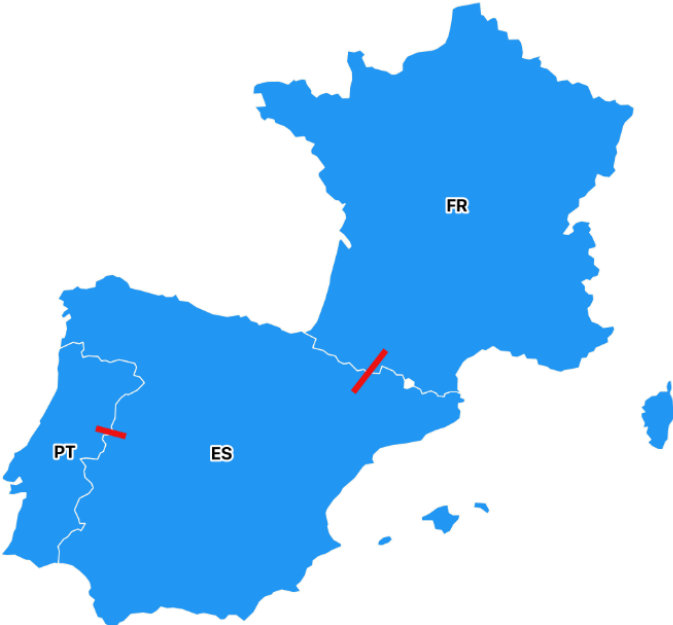
- 4. Capacity Calculation Region 4: Italy North
Note: The AT-SI bidding zone border is not part of this CCR.



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



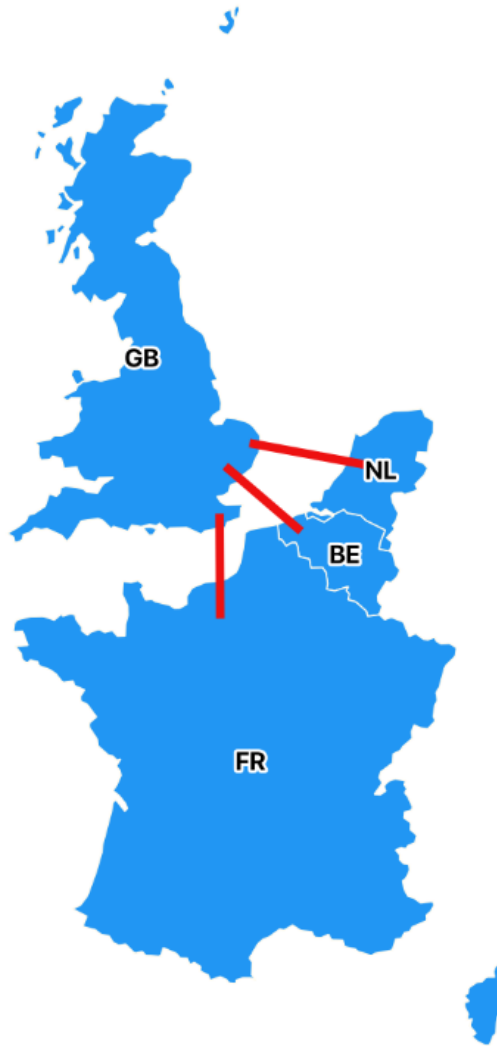
6. Capacity Calculation Region 6: South-west Europe (SWE)



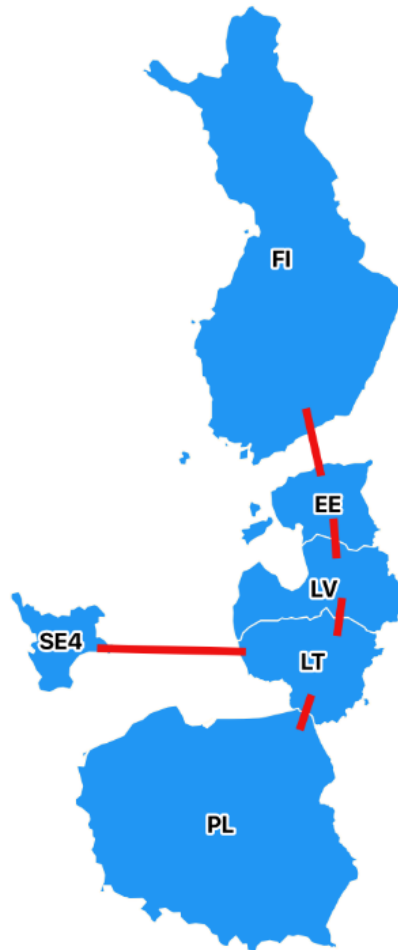
7. Capacity Calculation Region 7: Ireland and United Kingdom (IU)



- 8. Capacity Calculation Region 8: Channel
Note: The NL-BE and BE-FR bidding zone borders are not part of this CCR.



- 9. Capacity Calculation Region 9: Baltic
Note: The SE4-PL bidding zone border is not part of this CCR.



10. Capacity Calculation Region 10: South-east Europe (SEE)

