

**ACER Decision on determination of capacity calculation regions:
Annex I**

**The amendment to the Determination of
Capacity Calculation Regions**

in accordance with Article 15(1) of Commission Regulation
(EU) 2015/1222 of 24 July 2015 establishing a guideline on
capacity allocation and congestion management

16 December 2025

Whereas

- (1) This document provides an amendment to the methodology for determination of Capacity Calculation Regions (hereafter referred to as ‘CCR methodology’) 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 ‘CACM Regulation’).
- (2) This amendment of the of CCR methodology further merges the Core and Italy North capacity calculation regions into the Central Europe CCR for intraday capacity calculation as well as for regional operational security coordination (ROSC) in accordance with Article 76 of the Commission Regulation (EU) 2017/1485 of 2 August 2017 establishing a guideline on electricity transmission system operation (SO Regulation), coordinated redispatching and countertrading (RDCT) in accordance with Article 35 of the CACM Regulation and redispatching and countertrading cost sharing methodology (RDCT CS) in accordance with Article 74 of the CACM Regulation. It is in line with the objectives of the CACM Regulation that the CCR Core and CCR Italy North are merged and apply a common capacity calculation, using the flow-based approach. However, a full merger of Core and Italy North at this point would be premature considering the ongoing development in Core long term capacity calculation and expected amendments of Commission Regulation (EU) 2016/1719 of 26 September 2016 establishing a guideline on forward capacity allocation (the FCA Regulation) and the fact that CE balancing timeframe capacity calculation (BTCC) would come at the end of implementation chain. Therefore, a further stepwise merger for the purpose of implementing the common intraday capacity calculation methodology and ROSC, RDCT, and CS methodologies is currently preferable, along with the already approved merger of capacity calculation in the day-ahead timeframe. All other obligations related to the CCRs according to the CACM Regulation, Commission Regulation (EU) 2016/1719 of 26 September 2016 establishing a guideline on forward capacity allocation (the FCA Regulation), the SO Regulation, as well as any other applicable European legislation shall apply to the CCR Central Europe using a stepwise approach, by transferring these obligations from the CCRs Core and Italy North, which will cease to exist at the end of this process. The involved TSOs and NRAs shall agree on the respective steps and timeline based on the progress of the existing regional implementation projects and develop a concept for the merger of all other CCR-related obligations. This methodology shall be amended correspondingly to future merging steps of the CCR Core and Italy North.
- (3) This amendment of the of CCR methodology takes into account Annex I of the Regulation (EU) 2015/1222 of 24 July 2015 establishing a guideline on capacity allocation and congestion management, as incorporated into the Energy Community legal framework by the Energy Community Ministerial Council Decision 2022/03/MC-EnC of 15 December 2022 (hereafter referred to as ‘EnC CACM Regulation’) which in Article 1(2) defines three CCRs of the Energy

Community: Capacity Calculation Region Shadow South-East Europe (CCR Shadow SEE), Capacity Calculation Region Italy-Montenegro (CCR ITME) and Capacity Calculation Region Eastern Europe (CCR EE). In addition, this Determination of CCRs modifies the CCR definition of the Energy Community as defined in Annex I, Article 1(2) of the EnC CACM Regulation and split CCR Shadow SEE by establishing a new CCR - East-Central Europe (CCR ECE), consisting of a subset of the bidding zone borders of EnC TSOs: EMS, CGES, NOSBIH and a subset of the bidding zone borders of Central Europe CE TSOs: HOPS and MAVIR, and by attributing of a subset of the bidding zone borders of EnC TSOs: EMS, CGES, OST, KOSTT and MEPSO and a subset of the bidding zone borders of CCR South-East Europe TSOs: ESO, Transelectrica and IPTO to the CCR South-East Europe.

- (4) This amendment of the of CCR methodology by establishing the new CCRs (CCR ECE, CCR EE and CCR ITME), as well as by assigning certain bidding zone borders of EMS, CGES, MEPSO, OST and KOSTT to the CCR SEE enables the coordinated cross-zonal capacity calculation on respective bidding zone borders.
- (5) This amendment of the of CCR methodology by merging of Core and Italy North CCRs into the CCR Central Europe for intraday capacity calculation enables the coordinated flow-based capacity calculation on respective BZ borders, enlarging the geographical scope of coordination in the intraday timeframe in comparison with Core. The merger of ROSC, RDCT and RDCT Cost Sharing would allow larger geographical scope for security coordination which would result in least cost and optimal application of remedial actions without a need for implementation of additional cross-regional coordination between Core and Italy North.
- (6) The coordinated capacity calculation within a CCR could reveal constraining elements in the transmission network, which contributes to the long-term operation and development of the electricity transmission system and electricity sector in the Union and in the Energy Community. Therefore, the Determination of CCRs contributes to the objective of Article 3(g) of the CACM Regulation as it expands with the merger of Core and Italy North CCRs into CCR CE to intraday timeframe, as well as encompassing three new CCRs and expanding the geographical scope of CCR SEE.
- (7) To ensure that the objectives of Article 3(b), (d) and (g) of the CACM Regulation are respected, this Determination of CCR foresees the accession of CCR ECE to the CCR CE when certain conditions are met in both regions, as prescribed in Article 13(4). Clear conditions for future CCR ECE accession to CCR CE are setting the path for even larger geographical scope of flow-based capacity calculation, which would further contribute to all general principles and goals set out in the CACM.

Article 1

Subject matter and scope

Article 1 “Subject matter and scope” shall be amended as follows:

“1. The CCRs cover the following:

- a) all existing bidding zone borders within and between Member States, to which the CACM Regulation applies;
- b) all existing bidding zone borders between Member States and Energy Community Contracting Parties, to which the EnC CACM Regulation applies as transposed by the Energy Community Contracting Parties;
- c) all existing bidding zone borders between Energy Community Contracting Parties, to which the EnC CACM Regulation applies as transposed by the Energy Community Contracting Parties;
- d) future bidding zone borders established as a result of interconnections operated by legal entities certified as TSOs which are under construction at the time of the approval of this Determination of CCRs and planned to be commissioned.

2. Any changes in the bidding zone border configuration of Member States or Energy Community Contracting Parties shall be taken into account in proposals for amendments to this document in accordance with Article 9(13) of the CACM Regulation as well as Article 9(13) of the EnC CACM Regulation.

3. This determination of CCRs shall apply to the TSOs listed in Appendix 2. It applies to the TSOs of the Energy Community Contracting Parties in accordance with Article 9(6)(b) of the EnC CACM Regulation.”

Article 2

Definitions and interpretation

Article 2 “Definitions and interpretation” shall be amended as follows:

a) Paragraph 1 shall be amended and be read accordingly:

“Terms used in this document shall have the meaning of the definitions included in Article 2 of the CACM Regulation and Article 2 of the Electricity Regulation and, where bidding zones and bidding zone borders of the Energy Community are mentioned, their equivalent provisions in the EnC CACM Regulation and Regulation (EU) 2019/943 of 5 June 2019 on the internal market for electricity, as incorporated into the Energy Community legal framework by the Energy Community Ministerial Council Decision 2022/03/MC-EnC of 15 December 2022.”

Article 3

Capacity Calculation Region 5: Central Europe (CE)

Article 7 “Capacity Calculation Region 5: Central Europe”, shall be renamed to “Capacity Calculation Region 5: Central Europe (CE)” and shall be amended as follows:

“The CCR Central Europe shall be established for capacity calculation in the day-

ahead timeframe and intraday timeframe, as well as for the methodologies for regional operational security coordination in accordance with Article 76 of the SO Regulation, for the coordinated redispatching and countertrading methodology in accordance with Article 35 of the CACM Regulation and for the redispatching and countertrading cost sharing methodology in accordance with Article 74 of the CACM Regulation. The CCR Central Europe shall include all bidding zone borders and attributed TSOs listed in Articles 5 and 6 and shown on map 5 included in the Appendix 1 to this document.”

Article 4

Capacity Calculation Region 9: South-east Europe (SEE)

Article 11 “Capacity Calculation Region 9: South-east Europe (SEE)”, shall be amended as follows:

“1. The CCR SEE shall include the bidding zone borders listed below, and shown on map 9 included in the Appendix 1 to this document, as attributed to the referred TSOs:

- a) Greece – Bulgaria (GR – BG), Independent Power Transmission Operator S.A. and Elektroenergien Sistemen Operator EAD;
- b) Bulgaria – Romania (BG – RO), Elektroenergien Sistemen Operator EAD and Compania Națională de Transport al Energiei Electrice "Transelectrica" S.A.;
- c) CGES – OST (CGES – OST), Crnogorski elektroprenosni sistem AD and Operatori i Sistemit Te Transmetimit sh.a.;
- d) OST – KOSTT (OST – KOSTT), Operatori i Sistemit te Transmetimit sh.a. and Operator sistemi, transmisioni dhe tregu Sh.A.;
- e) OST – MEPSO (OST – MEPSO), Operatori i Sistemit te Transmetimit – OST sh.a and Makedonski elektroprenosen sistem operator a.d. (MEPSO);
- f) MEPSO – EMS (MEPSO – EMS), Makedonski elektroprenosen sistem operator a.d. and Elektromreža Srbije AD;
- g) CGES – KOSTT (CGES – KOSTT), Crnogorski elektroprenosni sistem AD and Operator sistemi, transmisioni dhe tregu Sh.A.;
- h) MEPSO – KOSTT (MEPSO – KOSTT), Makedonski elektroprenosen sistem operator a.d. and Operator sistemi, transmisioni dhe tregu Sh.A.;
- i) EMS – KOSTT (EMS – KOSTT), Elektromreža Srbije AD and Operator sistemi, transmisioni dhe tregu Sh.A.;
- j) Bulgaria – EMS (BG – EMS), Elektroenergien Sistemen Operator EAD and Elektromreža Srbije AD;
- k) Bulgaria – MEPSO (BG – MEPSO), Elektroenergien Sistemen Operator EAD and Makedonski elektroprenosen sistem operator a.d.;
- l) Greece – MEPSO (GR – MEPSO), Independent Power Transmission Operator S.A. and Makedonski elektroprenosen sistem operator a.d.;
- m) Greece – OST (GR – OST), Independent Power Transmission Operator S.A. (IPTO) and Operatori i Sistemit Te Transmetimit – OST sh.a.;
- n) Romania – EMS (RO – EMS), Compania Națională de Transport al

Energiei Electrice “Transelectrica” S.A. and Elektromreža Srbije AD.

2. Upon fulfilment of the conditions referred to in Article 13(4), the bidding zone border RO – EMS shall be attributed to the CCR CE, simultaneously with the bidding zone borders of the CCR East Central Europe (ECE).

3. The assignment of the bidding zone border OST-MEPSO to the CCR SEE shall be effective from the date of operation of the interconnector on the respective bidding zone border.”

Article 5

Capacity Calculation Region 10: East-central Europe (ECE)

The new Article 11a “Capacity Calculation Region 10: East-central Europe (ECE)” shall be added and read as follows:

“Without prejudice to Article 7, the CCR ECE Europe shall include the bidding zone borders listed below, and shown on map 10 included in the Appendix 1 to this document, as attributed to the referred TSOs:

- a) Croatia – NOSBIH (HR – NOSBIH), Croatian Transmission System Operator Plc. and Nezavisni operator sistema u Bosni i Hercegovini;
- b) Croatia – EMS (HR – EMS), Croatian Transmission System Operator Plc. and Elektromreža Srbije AD;
- c) EMS – Hungary (EMS – HU), Elektromreža Srbije AD and MAVIR Hungarian Independent Transmission Operator Company Ltd.;
- d) EMS – NOSBIH (EMS – NOSBIH), Elektromreža Srbije AD (EMS) and Nezavisni operator sistema u Bosni i Hercegovini (NOS BiH);
- e) CGES – NOSBIH (CGES – NOSBIH), Crnogorski elektroprenosni sistem AD and Nezavisni operator sistema u Bosni i Hercegovini; and
- f) CGES – EMS (CGES – EMS), Crnogorski elektroprenosni sistem AD and Elektromreža Srbije AD.”

Article 6

Capacity Calculation Region 11: Italy-Montenegro (ITME)

The new Article 11b “Capacity Calculation Region 11: Italy-Montenegro (ITME)” shall be added and read as follows:

“The CCR ITME shall include the bidding zone border listed below, and shown on map 11 included in the Appendix 1 to this document, as attributed to the referred TSOs:

- a) Italy CSUD and CGES (CSUD-CGES), Terna Rete Elettrica Nazionale S.p.A and Crnogorski elektroprenosni sistem AD.”

Article 7

Capacity Calculation Region 12: Eastern Europe (EE)

The new Article 11c “Capacity Calculation Region 12: Eastern Europe (EE)” shall be

added and read as follows:

“The CCR EE shall include the bidding zone borders listed below, and shown on map 12 included in the Appendix 1 to this document, as attributed to the referred TSOs:

- a) UA – MD (UA – MD), PJSC "National Power Company" "Ukrenergo" and S.E. “Moldelectrica”;
- b) UA – Poland (UA – PL), PJSC "National Power Company" "Ukrenergo" and Polskie Sieci Elektroenergetyczne S.A.;
- c) UA – Slovakia (UA – SK), PJSC "National Power Company" "Ukrenergo" and Slovenská elektrizačná prenosová sústava, a.s.;
- d) UA – Hungary (UA – HU), PJSC "National Power Company" "Ukrenergo" and MAVIR Hungarian Independent Transmission Operator Company Ltd.;
- e) UA – Romania (UA – RO), PJSC "National Power Company" "Ukrenergo" and Compania Națională de Transport al Energiei Electrice “Transelectrica” S.A.; and
- f) MD – Romania (MD – RO), S.E. “Moldelectrica” and Compania Națională de Transport al Energiei Electrice “Transelectrica” S.A.”

Article 8

Preconditions and future development

Article 13 ‘Future assessment’ shall be renamed to ‘Preconditions and future development’ and shall be amended as follows:

- a) Paragraph 4 shall be added and be read accordingly:

“Not later than 12 months after the conditions under (a), (b) and (c) are fulfilled, all TSOs shall make a proposal for an amendment of this methodology, including all bidding zone borders and attributed TSOs listed in Article 11a and Article 11(1)(n) into the CCR CE. The proposal shall contain an implementation plan that enables gradual integration of these bidding zone borders into the CCR CE. The conditions are as follows:

- a. full implementation of the day-ahead capacity calculation processes according to Article 20(1) of the CACM Regulation and Article 20(1) of the EnC CACM Regulation in the CCR CE and CCR ECE as set out in Article 7 and Article 11a, respectively; and
- b. participation of the CCR ECE’s TSOs in the single day-ahead coupling as set out in Article 8(1) of the CACM Regulation and Article 8(1) of the EnC CACM Regulation.”

- b) Paragraph 5 shall be added and be read accordingly:

“The proposal according to paragraph 4 shall additionally include an implementation plan, duly justified by an efficiency analysis, to include the bidding zone border between Italy and Montenegro in one of the neighbouring CCRs. When making the efficiency analysis, applying advanced hybrid coupling within the CCR CE shall also be considered.”

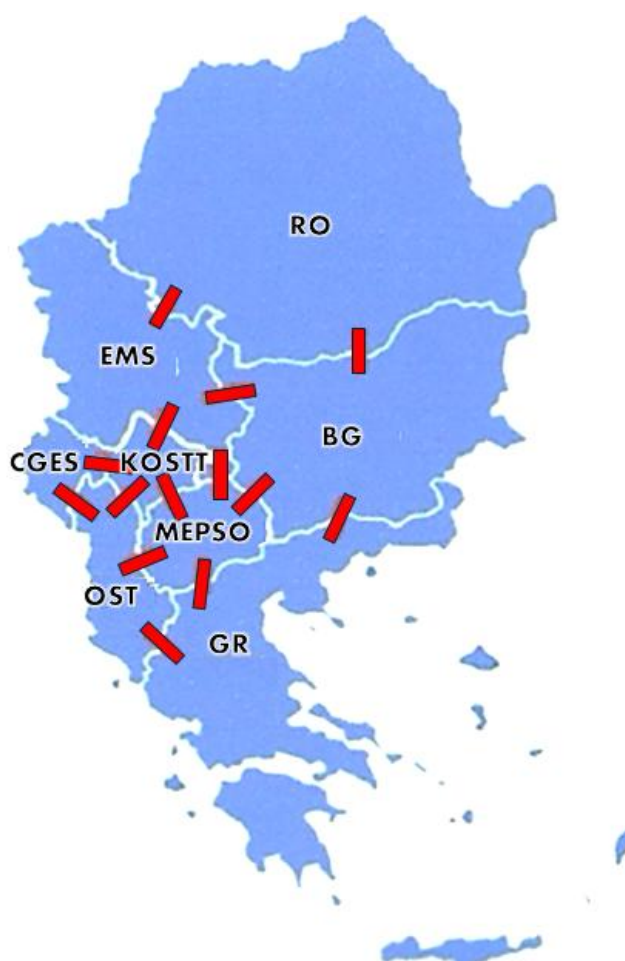
c) Paragraph 6 shall be added and be read accordingly:

“Not later than 12 months after the bidding zone borders referred to in paragraph 4 are included into the CCR CE, all TSOs shall make a proposal for an amendment of this methodology, containing an implementation plan that enables gradual integration of the bidding zone borders and relevant TSOs from at least the CCR SEE, into the CCR CE.”

Amendments to Appendix 1

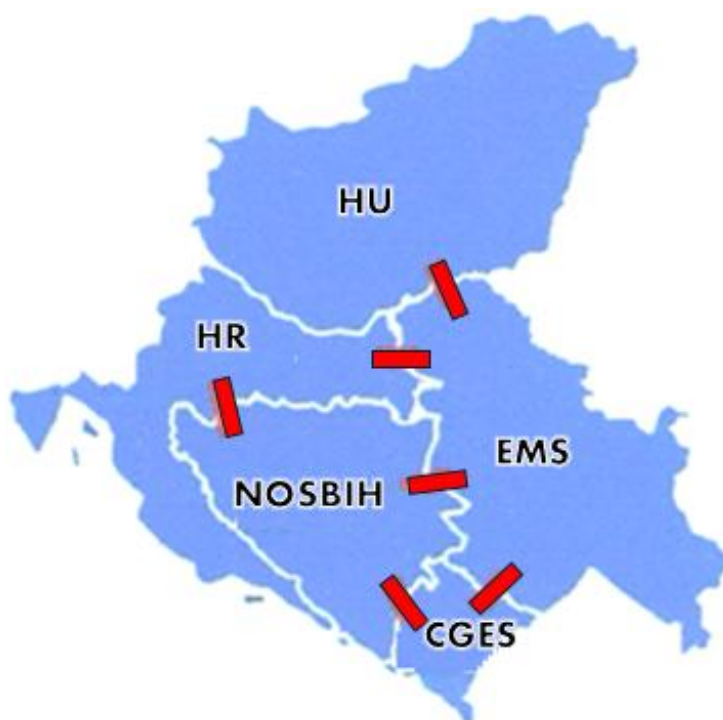
Appendix 1 shall be amended by:

- a) Replacing the map 9 “Capacity Calculation Region 9: South-east Europe (SEE)” with the following map:

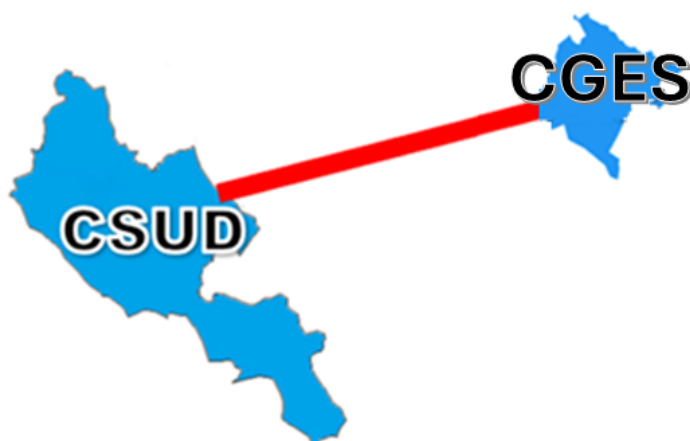


- b) Adding the map 10 “Capacity Calculation Region 10: East-Central Europe

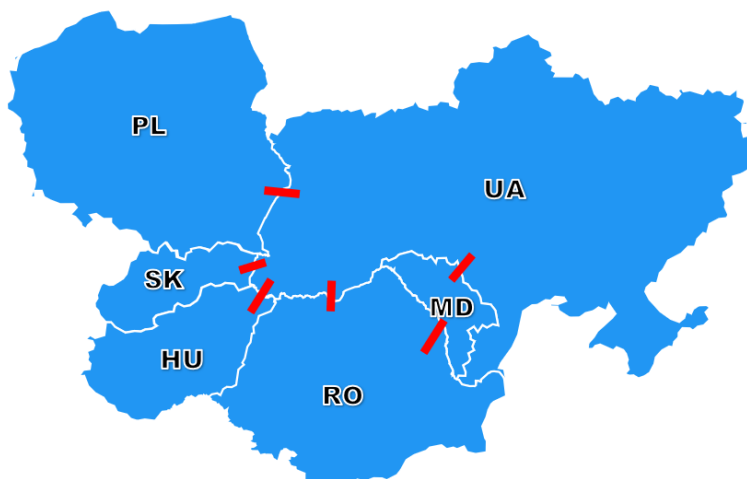
(ECE)”:



c) Adding the map 11 “Capacity Calculation Region 11: Italy-Montenegro (ITME)”:



d) Adding the map 12 “Capacity Calculation Region 12: Eastern Europe (EE)”:



Amendments to Appendix 2

Appendix 2 shall be amended as follows:

a)

- APG - Austrian Power Grid AG,
- VÜEN-Vorarlberger Übertragungsnetz GmbH
- Elia - Elia Transmission Belgium S.A.
- ESO – Electroenergien Sistemen Operator EAD
- HOPS d.d. - Croatian Transmission System Operator Plc.
- ČEPS - ČEPS, a.s.
- Energinet – Energinet
- Elering - Elering AS
- Fingrid - Fingrid OyJ
- Kraftnät - Kraftnät Åland Ab
- RTE - Réseau de Transport d'Electricité S.A
- Amprion - Amprion GmbH
- BCAB - Baltic Cable AB
- TransnetBW -TransnetBW GmbH
- TenneT GER - TenneT TSO GmbH
- 50Hertz - 50Hertz Transmission GmbH
- IPTO - Independent Power Transmission Operator S.A.,
- MAVIR - MAVIR Hungarian Independent Transmission Operator Company Ltd.
- EirGrid - EirGrid plc
- Terna - Terna SpA
- Augstsprieguma tīkls - AS Augstsprieguma tīkls
- LITGRID - LITGRID AB
- CREOS Luxembourg - CREOS Luxembourg S.A.
- TenneT TSO - TenneT TSO B.V.
- PSE - Polskie Sieci Elektroenergetyczne S.A.

- REN - Rede Eléctrica Nacional, S.A.
- Transelectrica - Compania Nationala de Transport al Energiei Electrice S.A.
- SEPS - Slovenská elektrizačná prenosová sústava, a.s.
- ELES - ELES,d.o.o
- Red Eléctrica - Red Eléctrica de España S.A.U,
- Svenska Kraftnät - Affärsverket Svenska Kraftnät
- SONI - System Operator for Northern Ireland Ltd