

ACER Decision on determination of capacity calculation regions:
Annex Ia

**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

~~2-July~~10 16 December 2025

Whereas

(1) This document ~~provides an is a common proposal for the~~ amendment (hereafter referred to as the “Proposal for Amendment”) developed by all Transmission System Operators (hereafter referred to as “TSOs”) to the ~~mMethodology for Ddeter-~~mination of Capacity Calculation Regions (hereafter referred to as “CCR meth-
odologys”) methodology 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 “CACM Regulation”).

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(2) This ~~amendment of the of CCR methodology Determination of CCRs~~ 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.-

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(3) This ~~Proposal for A~~ amendment of the ~~Determination~~ of CCRs 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 "~~amended~~-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-~~CCR~~), Capacity Calculation Region Italy-Montenegro (~~CCR~~ ITME-~~CCR~~) and Capacity Calculation Region Eastern Europe (~~CCR~~ EE-~~CCR~~). 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, Transeletrica and IPTO to the CCR South-East Europe.

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(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.

~~(3) Upon full implementation of the day-ahead capacity calculation processes according to Article 20(1) of the CACM Regulation and Article 20(2) of the amended EnC CACM Regulation by CE CCR and ECE CCR respectively and the participation of all ECE CCR bidding zone borders in the single day-ahead coupling as set out in Article 8(1) of the CACM Regulation as well as the amended EnC CACM Regulation, an amendment of the Determination of CCR Methodology will be triggered to enable ECE CCR accession to CE CCR for capacity calculation in day-ahead timeframe. All other obligations related to the ECE CCR accession to CE CCR and according to the Electricity Integration Package shall apply using a stepwise approach.~~

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~~(4) Full transposition of the Electricity Integration Package into national law by all relevant Energy Community Contracting Parties is a precondition for the amended SEE CCR to become operational.~~

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~~(5) all TSOs propose to modify the CCR definition of the Energy Community in accordance with Annex 1, Article 1(2) of the EnC CACM Regulation and propose splitting of Shadow SEE CCR by attributing certain bidding zone borders of~~

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~~EMS, CGES and NOSBiH to the CCR Core/Central Europe (CE CCR) and certain bidding zone borders of MEPSO, OST and KOSTT to the CCR South East Europe. However, accession of EMS, CGES and NOSBiH to the CE CCR at this point would have negative impacts on ongoing projects in the CE CCR. Therefore, a temporary capacity calculation region, limited in scope and time — East Central Europe CCR (ECE CCR) — is established, consisting of a subset of the bidding zone borders of EnC TSOs: EMS, CGES, NOSBiH and a subset of the bidding zone borders of CE TSOs: HOPS, MAVIR and Transelectrica. The temporary ECE CCR will become operational upon the full transposition of the Electricity Integration Package, consisting of the EU Clean Energy Package and five Network codes and Guidelines as incorporated and adapted by the EnC Ministerial Council Decision 2022/03/MC EnC of 15 December 2022, by the relevant EnC Contracting Parties.~~

~~(6) — This Determination of CCRs 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.~~

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~~(7)~~(5) This amendment of the of CCR methodology ~~Determination of CCRs~~ 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.

~~(8)~~(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.

~~(9)~~(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 ~~amended~~-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 ~~amended~~-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 ~~amended~~ 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 ~~Region-
a-regional~~ operational security coordination in accordance with Article 76 of the ~~SOGLSO~~ Regulation, for the coordinated redispatching and countertrading method-
ology 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 ~~and~~. 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. (~~IPTO~~) and Elektroenergien Sistemen Operator (~~ESO~~) EAD;
- b) Bulgaria – Romania (BG – RO), Elektroenergien Sistemen Operator (~~ESO~~) EAD and Compania Națională de Transport al Energiei Electrice “Transelectrica” S.A.;
- c) CGES – OST (CGES – OST), Crnogorski elektroprenosni sistem AD (~~CGES~~) and Operatori i Sistemit Te Transmetimit ~~–OST~~ sh.a.;
- d) OST – KOSTT (OST – KOSTT), Operatori i Sistemit te Transmetimit ~~–OST~~ sh.a. and Operator sistemi, transmisioni dhe tregu Sh.A. ~~(KOSTT)~~;;
- 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. (~~MEPSO~~) and Elektromreža Srbije AD (~~EMS~~);;
- g) CGES – KOSTT (CGES – KOSTT), Crnogorski elektroprenosni sistem AD (~~CGES~~) and Operator sistemi, transmisioni dhe tregu Sh.A. ~~(KOSTT)~~;;
- h) MEPSO – KOSTT (MEPSO – KOSTT), Makedonski elektroprenosen sistem operator a.d. (~~MEPSO~~) and Operator sistemi, transmisioni dhe tregu Sh.A. ~~(KOSTT)~~;;
- i) EMS – KOSTT (EMS – KOSTT), Elektromreža Srbije AD (~~EMS~~) and Operator sistemi, transmisioni dhe tregu Sh.A. ~~(KOSTT)~~;;

- j) Bulgaria – EMS (BG – EMS), Elektroenergien Sistemen Operator (ESO)
EAD and Elektromreža Srbije AD ~~(EMS);;~~
- k) Bulgaria – MEPSO (BG – MEPSO), Elektroenergien Sistemen Operator
~~(ESO)–EAD and Makedonski elektroprenosen sistem operator a.d.~~
~~(MEPSO);;~~
- l) Greece – MEPSO (GR – MEPSO), Independent Power Transmission
Operator S.A. ~~(IPTO)–~~and Makedonski elektroprenosen sistem operator
a.d.~~(MEPSO);;~~
- m) Greece – OST (GR – OST), Independent Power Transmission Operator
S.A. (IPTO) and Operatori i Sistemit Te Transmetimit – OST sh.a.; and
- 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 CE-CCR CE, simultaneously with the bidding zone borders of the CCR East Central Europe (East-central Europe (ECE)) CCR.

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:

“1. Without prejudice to Article 7, the ~~temporary~~ CCR ~~East-Central~~ ECE Europe shall include the bidding zone borders listed below, and shown on map ~~1210~~ included in the Appendix 1 to this document, as attributed to the referred TSOs:

- a) Croatia – NOSBIH (HR – NOSBIH), Croatian Transmission System
Operator Plc. ~~(HOPS d.d.)~~ and Nezavisni operator sistema u Bosni i
Hercegovini ~~(NOS BiH);;~~
- b) Croatia – EMS (HR – EMS), Croatian Transmission System Operator Plc.
~~(HOPS d.d.)~~ and Elektromreža Srbije AD ~~(EMS);;~~
- c) EMS – Hungary (EMS – HU), Elektromreža Srbije AD (EMS)–
MAVIR Hungarian Independent Transmission Operator Company Ltd.;-
- ~~d) Compania Națională de Transport al Energiei Electrice “Transelectrica”~~
~~S.A. and EMS – NOSBIH (EMS – NOSBIH), Elektromreža Srbije AD~~
~~(EMS);-~~
- e) d) Elektromreža Srbije AD (EMS) and Nezavisni operator sistema u
Bosni i Hercegovini (NOS BiH);-
- f) e) Crnogorski elektroprenosni sistem AD (CGES) – NOSBIH (CGES –
NOSBIH), Crnogorski elektroprenosni sistem AD and Nezavisni operator
sistema u Bosni i Hercegovini ~~(NOS BiH);;~~ and

~~g) CGES – EMS (CGES – EMS), Crnogorski elektroprenosni sistem AD (CGES) and Elektromreža Srbije AD (EMS).~~

~~h) f) 2. The CCR ECE shall be established for capacity calculation in the day-ahead timeframe. Following the go-live of the day-ahead capacity calculation in CE CCR, all TSOs shall assess the status of fulfillment of the conditions as described in Article 13(4) for the ECE CCR. Based on that assessment, all TSOs may decide to extend the scope of the interim ECE CCR to further timeframes, in case undue delay is expected regarding the accession of ECE CCR to CE CCR.”~~

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 ~~10~~11 included in the Appendix 1 to this document, as attributed to the referred TSOs:

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

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 ~~11~~12 included in the Appendix 1 to this document, as attributed to the referred TSOs:

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

~~“All 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 shown on map 12 included in Appendix 1 to this document Article 11(1)(n) paragraph (n) into the CCR Central Europe until 12 months after~~

~~full transposition of the electricity integration package CE. The proposal shall contain an implementation plan that enables gradual integration of these bidding zone borders into national law by all Energy community Contracting Parties of the CCR ECE as required by Decision 2022/03/MC-EnC of the Ministerial Council of the Energy Community, and CE. The conditions are as follows:~~

- a. ~~the full implementation of the day-ahead capacity calculation processes according to Article 20(1) of the CACM Regulation and amended Article 20(1) of the EnC CACM Regulation by in the capacity calculation regions CCR CE and CCR ECE as set out in Article 7 -and Article 11a, respectively; and-~~
- b. ~~the 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 amended EnC CACM Regulation. The proposal shall contain a roadmap and an implementation plan that enables a gradual integration of all these bidding zone borders of CCR ECE jointly into the applicable tasks within the CCR Central Europe Article 8(1) of the EnC CACM Regulation.”~~

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

~~“Full transposition of the Electricity Integration Package into national law by all relevant Energy Community Contracting Parties, mentioned in Article 11, is a precondition for the amended SEE CCR, as described in Article 11, to become effective. Where necessary, the application of the full Terms, Conditions, and Methodologies related to the operationalisation of the amended SEE CCR, shall be implemented in a stepwise manner that takes into consideration the readiness of the EnC TSOs and does~~

~~not impact the ongoing implementation processes of the EU TSOs and does not hamper the compliance with EU law obligations.”~~

“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:

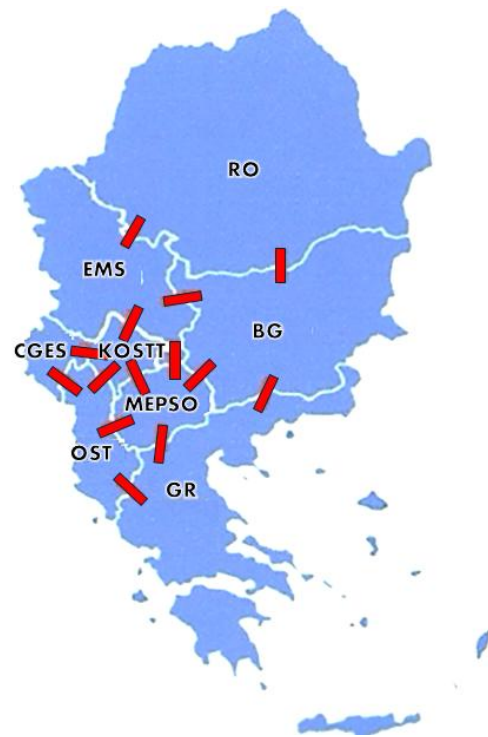
“Not later than 12 months after the bidding zone borders referred to in paragraph 4 are included into the CCR CE, all TSOs shall make a proposal for an amendment of this methodology, containing an implementation plan that enables gradual integration of the bidding zone borders and relevant TSOs from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



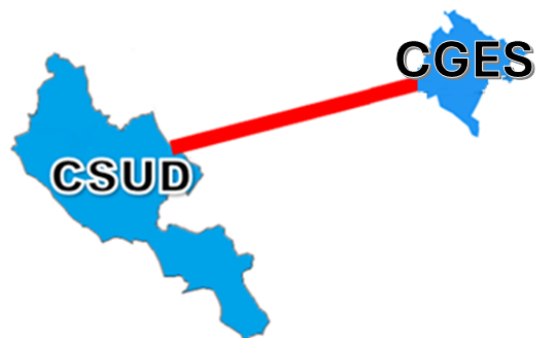


b) Adding the map 10 "Capacity Calculation Region 10: East-Central Europe (ECE)":

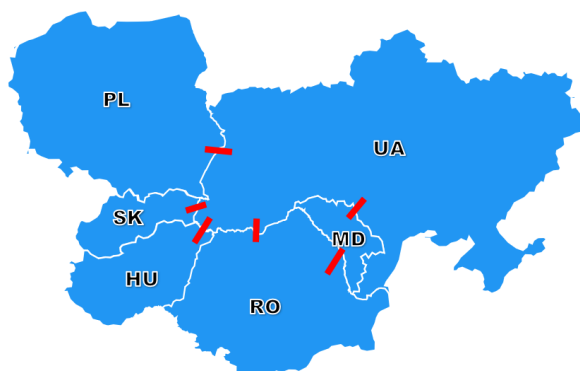




c) Adding the map 11 “Capacity Calculation Region 11: Italy-Montenegro (ITME)”:



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
- ~~NOS BiH - Nezavisni operator sistema u Bosni i Hercegovini~~
- ~~CGES - Crnogorski elektroprenosni sistem AD~~
- ~~EMS - Elektromreža Srbije AD~~
- ~~OST - Operatori i Sistemi te Transmetimit sh.a. (OST)~~
- ~~MEPSO - Makedonski Elektroprenosen Sistem Operator AD (MEPSO)~~
- ~~Ukrenergo NPC SE (Ukrenergo) PJSC "National Power Company" "Ukrenergo" (NPC Ukrenergo)~~
- ~~MEL - SE Moldelectrica~~
- ~~KOSTT - Operator sistemi, transmisioni dhe tregu Sh.A.~~

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