

ACER Decision on the Amendment of the determination of CCRs:
Annex I

**Amendment of the
determination of capacity calculation regions**

**in accordance with Article 9(13) of the Commission Regulation (EU)
2015/1222 of 24 July 2015 establishing a Guideline on Capacity
Allocation and Congestion Management**

1 April 2019

Whereas

- (1) This document sets the second amendment to 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 “Second Amendment”).
- (2) On 17 November 2015, all Transmission System Operators (hereafter referred to as “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 ACER issued its decision 06/2016 on the Electricity Transmission System Operators’ Proposal for the Determination of Capacity Calculation Regions (hereafter referred to as the “CCR Decision”). Annex I to this Decision, “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” (hereafter referred to as the “Annex I of the CCR Decision”) sets out the CCRs pursuant to Article 15(1) of the CACM Regulation.
- (4) The CCRs as defined by Annex I of the CCR Decision cover all bidding zone borders where interconnectors are already in operation as well as bidding zone borders due to interconnections which were under construction at the time of approval of the CCR Decision and which were planned to be commissioned before 2018.
- (5) 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 the Annex I of the CCR Decision in order to assign the Belgium - Great Britain bidding zone border to the Channel CCR. On 18 September 2017, all NRAs agreed to approve the first proposal for amendment of the Annex I of the CCR Decision and subsequently adopted decisions to approve the proposed amendment. In this methodology, the Annex I of the CCR Decision amended by the approved first proposal for amendment is hereinafter referred to as the ‘Determination of CCRs’.
- (6) Timely definition of future bidding zone borders, their attribution to CCRs and the assignment of respective TSOs to a CCR is of utmost importance to:
 - (a) facilitate the development and implementation of regional terms and conditions or methodologies, stemming from the CACM Regulation and Commission Regulation (EU) 2016/1719 of 26 September 2016 establishing a guideline on forward capacity allocation (hereafter referred to as “FCA Regulation”), for the concerned CCR; and
 - (b) provide a clear framework for the implementation of regional terms and conditions or methodologies stemming from the CACM and the FCA Regulations for the future bidding zone borders.
- (7) This Second Amendment encompasses four CCRs with the aim of streamlining the process outlined in Article 9(13) of the CACM Regulation by combining all foreseeable amendments in one proposal and thus reducing the number of proposals to the minimum needed.

- (8) Due to developments of new interconnectors, the Determination of CCRs needs to be updated, to take into account the following new interconnectors:
- (a) The future Cobra Cable interconnection between bidding zones of Denmark 1 and the Netherlands will create a new bidding zone border DK1 - NL. This interconnection is currently under construction and is planned to be commissioned during the first quarter of 2019 and will be operated by Energinet.dk, and TenneT TSO B.V.;
 - (b) Two future interconnectors on the France - Great Britain (FR - GB) bidding zone border, which are currently under construction:
 - i. Eleclink interconnection, which is planned to be commissioned at the end of 2019 and will be operated by Eleclink Limited;
 - ii. IFA2 interconnection, which is planned to be commissioned at the end of 2020 and which will be operated by National Grid IFA2 Limited and RTE - Réseau de Transport d'Electricité.; and
 - (c) The future ALEGrO interconnection on the bidding zone border Belgium - Germany/Luxembourg (BE - DE/LU), which is planned to be commissioned in 2020 and will be operated by Amprion GmbH and Elia System Operator NV/SA.
- (9) The new interconnector between Denmark and the Netherlands is establishing a new bidding zone border between bidding zones of Denmark 1 and the Netherlands (DK1 - NL). The cross-border exchanges on this bidding zone border have a significant impact on bidding zone borders of the Core CCR (namely the bidding zone border of DE/LU - NL) as well as on bidding zone borders of the Hansa CCR (namely the bidding zone border of DK1 - DE/LU). The new bidding zone border should optimally be assigned to Core CCR together with the bidding zone border DK1 - DE/LU. However, this solution would represent a significant change to the existing CCRs and could risk of interrupting and delaying the existing implementation projects and initiatives in the Hansa CCR and Core CCR. For this reason, the new bidding zone border is assigned to Hansa CCR as this solution does not require amendment of the Core CCR and only amendment of the Hansa CCR. The latter is expected to have a minor impact on the implementation projects and initiatives as it applies the coordinated net transmission capacity approach to capacity calculation, which requires significantly less coordination between bidding zone borders of a CCR. In contrast, attributing this bidding zone border to the Core CCR would risk delaying existing initiatives, since this CCR aims to apply the flow-based capacity calculation approach, which requires extensive coordination at CCR level. Nevertheless, within one year after the adoption of this Second Amendment to the Determination of CCRs, TSOs should further analyse where this bidding zone border should optimally be attributed.
- (10) The CCR Channel includes the France - Great Britain (FR - GB) bidding zone border and the TSOs RTE - Réseau de Transport d'Electricité, National Grid Electricity Transmission plc (NGET) and National Grid Electricity Interconnectors Limited (NGIC) are attributed to this border. The future interconnectors on this bidding zone border will establish new TSOs, Eleclink Limited for Eleclink interconnection and National Grid IFA2 Limited for IFA2 interconnection. Therefore, Eleclink Limited and National Grid IFA2 Limited need to be assigned additionally to the FR - GB bidding zone border and to the CCR Channel.

- (11) The CCR Core includes the Belgium - Germany/Luxembourg (BE - DE/LU) bidding zone border and the TSOs Elia System Operator NV/SA and Creos Luxembourg S.A. are attributed to this border. The future ALEGrO interconnection will be operated by Elia System Operator NV/SA and Amprion GmbH. Therefore, Amprion GmbH need to be attributed additionally to the BE - DE/LU bidding zone border.
- (12) Due to the results of the Italian bidding zone review, the current Determination of CCRs needs to be updated, to take into account the changes in the bidding zone configuration. The abolishment of the Italian virtual bidding zones Foggia, Priolo and Brindisi results in a bidding zone border change from Italy BRNN – Greece to Italy SUD – Greece and the cancellation of the bidding zone borders Italy SUD – Italy BRNN, Italy SUD – Italy FOGN and Italy SICI – Italy PRGP.
- (13) This Second Amendment takes into account the general principles and goals set in the CACM Regulation as well as 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”). 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 Second Proposal on the objectives of the CACM Regulation has to be described. The impact is presented below.
- (15) With regard to the amendment of the Channel and Core CCRs, this Second Amendment contributes to ensuring optimal use of the transmission infrastructure (objective of Article 3(b) of the CACM Regulation), ensuring operational security (objective of Article 3(c) of the CACM Regulation) and optimising the calculation of cross-zonal capacity (objective of Article 3(d) of the CACM Regulation), since it ensures that each new interconnector is assigned to the most relevant CCR and that all TSOs operating such an interconnectors are attributed to the relevant bidding zone borders of the same CCR. The attribution of two additional TSOs, notably National Grid IFA2 Limited (IFA2) and Eleclink Limited (Eleclink), to the France - Great Britain (FR - GB) bidding zone border of the Channel CCR enables the cross-zonal capacity calculation in the Channel CCR to account for combined interactions of all the interconnections on the France - Great Britain (FR - GB) bidding zone border. The addition of Amprion GmbH as operator of the interconnection ALEGrO to the bidding zone border Belgium - Germany/Luxembourg (BE - DE/LU) of the Core CCR supports the coordinated cross-zonal capacity calculation by the responsible TSOs and accounts for combined interactions between the interconnected Belgian and German networks.
- (16) With regard to the amendment of the Hansa CCR, the impact of the assignment of the new bidding zone border DK1 - NL to the Hansa CCR on the objectives to ensure the optimal use of the transmission infrastructure (Article 3(b) of the CACM Regulation) and to optimise the calculation and allocation of cross-zonal capacity (Article 3(d) of the CACM Regulation) may not be positive. However, to avoid negative impacts on the existing implementation projects and initiatives in the current CCRs, it is acceptable to assign this new bidding zone border to the Hansa CCR and to plan a future reassessment and amendment of the Determination of CCRs. This reassessment and amendment will aim to improve the functioning of the internal electricity market and contribute to the objective of the efficient long-

term operation and development of the electricity transmission system and the electricity sector in the Union (Article 3(g) of the CACM Regulation.

- (17) This Second Amendment does not have any significant or direct impact on the other objectives referred to in Article 3 (a), (e), (f), (h), (i) and (j) of the CACM Regulation.
- (18) In conclusion, the Second Amendment contributes to the general objectives of the CACM Regulation to the benefit of all market participants and electricity end consumers.

TITLE 1 - Amendments

Article 1

Amendment to the Hansa Capacity Calculation Region

1. The Hansa CCR as defined in Article 4 of the Determination of CCRs shall be amended as follows:
 - (a) The Denmark 1 - The Netherlands (DK1 - NL), bidding zone border is included in the Hansa CCR;
 - (b) The Denmark 1 - The Netherlands (DK1 - NL) bidding zone border is attributed to following TSOs: Energinet.dk, and TenneT TSO B.V.
2. Map 1 of the Appendix, shows the amended Hansa CCR and amends map no 2 of the Appendix in the Determination of CCRs accordingly.

Article 2

Amendment to the Channel Capacity Calculation Region

The France - Great Britain (FR - GB) bidding zone border of the Channel CCR as defined in Article 10(a) of the Determination of CCRs shall additionally include the following TSOs: National Grid IFA2 Limited (IFA2), and Eleclink Limited (Eleclink).

Article 3

Amendment to the Core Capacity Calculation Region

The Belgium-Germany/Luxembourg (BE - DE/LU) bidding zone border of the Core CCR as defined in Article 5(1)(e) of the Determination of CCRs shall additionally include the following TSO: Amprion GmbH.

Article 4

Amendment to the Greece-Italy (GRIT) Capacity Calculation Region

1. The GRIT CCR as defined in Article 7 of the Determination of CCRs shall be amended such that it consists of the following bidding zone borders which are 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.
2. Map 2 of the Appendix shows the amended GRIT CCR and amends map no 5 of the Appendix in the Determination of CCRs accordingly.

TITLE 2 - Final Provisions

Article 5

Implementation date of the amendments

1. The TSOs shall apply the amendments provided for in Articles 1 to 4 of this Second Amendment as soon as this Second Amendment is approved in accordance with Article 9 of the CACM Regulation.
2. The TSOs shall apply the amendments provided for in Article 2 of this Second Amendment as soon as this Second Amendment is approved in accordance with Article 9 of the CACM Regulation and as soon as the National Grid IFA2 Limited (IFA2) and Eleclink Limited (Eleclink) are certified as TSOs following the provisions of Article 3 of Regulation (EC) 714/2009 and Article 10 of Directive 2009/72/EC. In case National Grid IFA2 Limited and Eleclink Limited do not become certified TSOs on the same date, the TSOs shall partially apply the amendments described under Article 2, pending the remaining certification. In that case, the bidding zone border France - Great Britain (FR - GB) of the Channel CCR shall be attributed to the TSO which has already obtained its certification, as from the date of such certification.

Article 6

Future amendments

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.

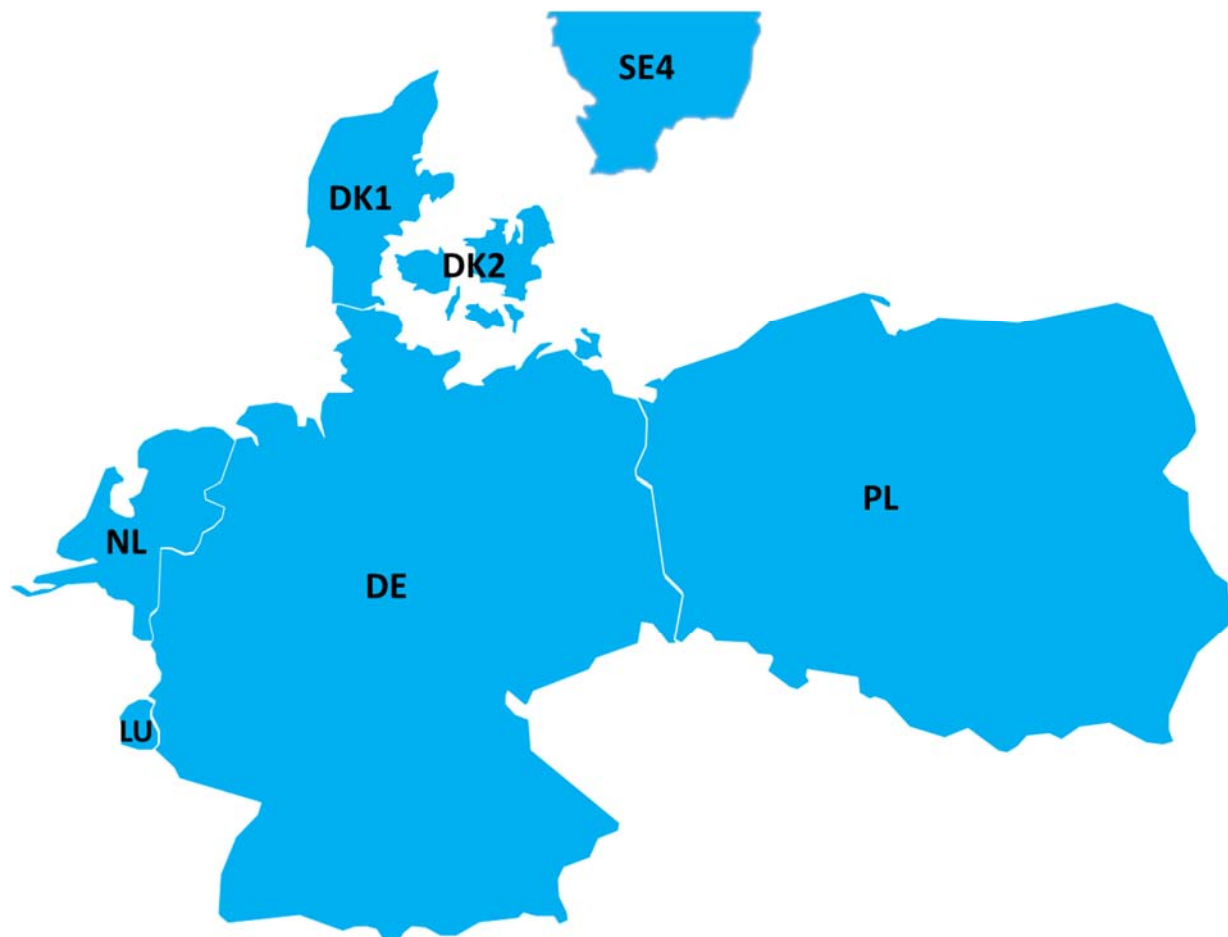
Article 7
Language

The reference language for this Second Amendment shall be English. For the avoidance of doubt, where TSOs need to translate this Second Amendment 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 relevant TSOs shall, in accordance with national legislation, provide the relevant national regulatory authorities with an updated translation of this Second Amendment.

Appendix: Amended map

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

Map 1: Hansa CCR



2. Capacity Calculation Region: GRIT

Map 2: GRIT CCR



ACER Decision on the Amendment of the determination of CCRs: Annex III

Consolidated list of capacity calculation regions with assigned bidding zone borders and attributed TSOs

1. Capacity Calculation Region 1: Nordic

No.	Bidding zone border name	Bidding zone border acronym	Attributed TSOs
1.	Denmark 1 - Sweden 3	DK1-SE3	Energinet.dk, Svenska kraftnät
2.	Denmark 2 - Sweden 4	DK2-SE4	Energinet.dk, Svenska kraftnät
3.	Denmark 1 - Denmark 2	DK1-DK2	Energinet.dk
4.	Sweden 4 - Sweden 3	SE4-SE3	Svenska kraftnät
5.	Sweden 3 - Sweden 2	SE3-SE2	Svenska kraftnät
6.	Sweden 2 - Sweden 1	SE2-SE1	Svenska kraftnät
7.	Sweden 3 - Finland	SE3-FI	Svenska kraftnät, Fingrid Oyj
8.	Sweden 1 - Finland	SE1-FI	Svenska kraftnät, Fingrid Oyj

2. Capacity Calculation Region 2: Hansa

No.	Bidding zone border name	Bidding zone border acronym	Attributed TSOs
1.	Denmark 1 - Germany/Luxembourg	DK1-DE/LU	Energinet.dk, TenneT TSO GmbH
2.	Denmark 2 - Germany/Luxembourg	DK2-DE/LU	Energinet.dk, 50Hertz Transmission GmbH
3.	Sweden 4 - Poland	SE4-PL	Svenska Kraftnät, PSE S.A.
4.	Denmark 1 - Netherlands	DK1-NL	Energinet.dk, TenneT TSO B.V.

3. Capacity Calculation Region 3: Core

No.	Bidding zone border name	Bidding zone border acronym	Attributed TSOs
1.	France - Belgium	FR-BE	RTE – Réseau de transport d'électricité, Elia System Operator NV/SA
2.	Belgium - Netherlands	BE-NL	Elia System Operator NV/SA, TenneT TSO B.V.
3.	France - Germany/Luxembourg	FR-DE/LU	RTE – Réseau de transport d'électricité, Amprion GmbH, TransnetBW GmbH
4.	Netherlands - Germany/Luxembourg	NE-DE/LU	TenneT TSO B.V., TenneT TSO GmbH, Amprion GmbH
5.	Belgium - Germany/Luxembourg	BE-DE/LU	Elia System Operator NV/SA, Amprion GmbH, Creos Luxembourg S.A.
6.	Germany/Luxembourg - Poland	DE/LU-PL	50Hertz Transmission GmbH, PSE S.A.
7.	Germany/Luxembourg - Czech Republic	DE/LU-CZ	TenneT TSO GmbH, 50Hertz Transmission GmbH, ČEPS, a.s.
8.	Austria - Czech Republic	AT-CZ	Austrian Power Grid AG, ČEPS, a.s
9.	Austria - Hungary	AT-HU	Austrian Power Grid AG, MAVIR Hungarian Independent Transmission Operator Company Ltd.
10.	Austria - Slovenia	AT-SI	Austrian Power Grid AG, ELES, d.o.o.
11.	Czech Republic - Slovakia	CZ-SK	ČEPS, a.s., Slovenská elektrizačná prenosová sústava, a.s.
12.	Czech Republic - Poland	CZ-PL	ČEPS, a.s., PSE S.A.
13.	Hungary - Slovakia	HU-SK	MAVIR Hungarian Independent Transmission Operator Company Ltd., Slovenská elektrizačná prenosová sústava, a.s.
14.	Poland - Slovakia	PL-SK	PSE S.A., Slovenská elektrizačná prenosová sústava, a.s.
15.	Croatia - Slovenia	HR-SI	Croatian Transmission System Operator Ltd. (HOPS d.o.o.), ELES, d.o.o.
16.	Croatia - Hungary	HR-HU	Croatian Transmission System Operator Ltd. (HOPS d.o.o.), MAVIR Hungarian Independent Transmission Operator Company Ltd.
17.	Romania - Hungary	RO-HU	Compania Națională de Transport al Energiei Electrice "Transelectrica" S.A., MAVIR Hungarian Independent Transmission Operator Company Ltd.
18.	Hungary - Slovenia	HU-SI	MAVIR Hungarian Independent Transmission Operator Company Ltd., ELES, d.o.o.
19.	Germany/Luxembourg - Austria	DE/LU-AT	Austrian Power Grid AG, TransnetBW GmbH, TenneT TSO GmbH, Amprion GmbH

4. Capacity Calculation Region 4: Italy North

No.	Bidding zone border name	Bidding zone border acronym	Attributed TSOs
1.	Italy NORD - France	NORD-FR	TERNA Rete Elettrica Nazionale S.p.A., RTE– Réseau de transport d'électricité
2.	Italy NORD - Austria	NORD-AT	TERNA Rete Elettrica Nazionale S.p.A., Austrian Power Grid AG
3.	Italy NORD - Slovenia	NORD-SI	TERNA Rete Elettrica Nazionale S.p.A., ELES, d.o.o.

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

No.	Bidding zone border name	Bidding zone border acronym	Attributed TSOs
1	Italy SUD - Greece	SUD-GR	TERNA Rete Elettrica Nazionale S.p.A., Independent Power Transmission Operator S .A.
2	Italy NORD - Italy CNOR	NORD-CNOR	TERNA Rete Elettrica Nazionale S.p.A.
3	Italy CNOR - Italy CSUD	CNOR-CSUD	TERNA Rete Elettrica Nazionale S.p.A.
4	Italy CNOR - Italy SARD	CNOR-SARD	TERNA Rete Elettrica Nazionale S.p.A.
5	Italy SARD - Italy CSUD	SARD-CSUD	TERNA Rete Elettrica Nazionale S.p.A.
6	Italy CSUD - Italy SUD	CSUD-SUD	TERNA Rete Elettrica Nazionale S.p.A.
7	Italy CSUD - Italy ROSN	CSUD-ROSN	TERNA Rete Elettrica Nazionale S.p.A.
8	Italy ROSN - Italy SICI	ROSN-SICI	TERNA Rete Elettrica Nazionale S.p.A.

6. Capacity Calculation Region 7: South-west Europe (SWE)

No.	Bidding zone border name	Bidding zone border acronym	Attributed TSOs
1.	France - Spain	FR-ES	RTE - Réseau de transport d'électricité, REE - Red Eléctrica de España, S.A.U
2.	Spain - Portugal	ES-PT	REE - Red Eléctrica de España, S.A.U., REN - Rede Eléctrica Nacional, S.A.

7. Capacity Calculation Region 8: Ireland and United Kingdom (IU)

No.	Bidding zone border name	Bidding zone border acronym	Attributed TSOs
1.	Great Britain- Ireland/Northern Ireland	GB-IR/NIR	National Grid Electricity Transmission plc (NGET), EirGrid, Moyle Interconnector (Moyle), SONI

8. Capacity Calculation Region 9: Channel

No.	Bidding zone border name	Bidding zone border acronym	Attributed TSOs
1.	France - Great Britain	FR-GB	RTE - Réseau de transport d'électricité, National Grid Electricity Transmission plc (NGET), National Grid Interconnectors Limited (NGIC), National Grid IFA2 Limited (IFA2), Eleclink Limited (Eleclink)
2.	Netherlands - Great Britain	NL-GB	BritNed Development Limited (BritNed), TenneT TSO B.V.
3.	Belgium - Great Britain	BE-GB	Elia System Operator NV/SA, National Grid Electricity Transmission plc (NGET), Nemo Link Limited (Nemo Link)

9. Capacity Calculation Region 10: Baltic

No.	Bidding zone border name	Bidding zone border acronym	Attributed TSOs
1.	Estonia - Latvia	EE-LV	Elering AS, Augstsprieguma tīkls
2.	Latvia - Lithuania	LV-LT	Augstsprieguma tīkls, Litgrid AB
3.	Estonia - Finland	EE-FI	Elering AS, Fingrid Oyj
4.	Lithuania – Sweden 4	LT-SE4	Litgrid AB, Svenska kraftnät
5.	Lithuania- Poland	LT-PL	Litgrid AB, PSE S.A.

10. Capacity Calculation Region 11: South-east Europe (SEE)

No.	Bidding zone border name	Bidding zone border acronym	Attributed TSOs
1.	Greece - Bulgaria	GR-BG	Independent Power Transmission Operator S.A., Elektroenergien Systemen Operator (ESO) EAD
2.	Bulgaria - Romania	BG-RO	Elektroenergien Systemen Operator (ESO) EAD, Compania Națională de Transport al Energiei Electrice "Transelectrica" S.A.