

Action plans: Overview and main characteristics

		Structural cor	ngestion report	Action	•		Bidding zone borders or				ctory in min MACZT ZTtarget)	%		
Country		TSO report published	Date of NRA approval	Approval by Member State	Starting/end date of action plan		CNECs	2020	2021	2022	2023	2024	2025	Remarks
		Yes, HOTSPOT					CWE CNECs (from 9 June 2022: Core CNECs)	NA	20.0%					
AT		BERICHT on E- Control's website [11]	24/09/2020 [12]	22/12/2020 [14]	01/01/2021 - 31/12/2025	AT-CZ_HU_SI (AT side) (from 9 June 2022: Core), Italy North	 APG's NTC bidding zone borders in Core: AT- CZ, AT-HU, AT-SI APG's CNECs in Italy North 	NA	18.4%	28.7%	39.0%	49.4%	59.7%	
						CWE (from 9 June 2022: Core)	• CWE CNECs (from 9 June 2022: Core CNECs) • ALEGrO	11.5% (and 20% minRAM)	21.3%	31.0%	40.8%	50.5%	60.3%	
	TenneT DE,					DE-CZ_PL (from 9 June 2022: Core)	• DE-PL • DE-CZ	11.5%	21.3%	31.0%	40.8%	50.5%	60.3%	
	TenneT DE, Amprion, TransnetB	Yes,	28/11/2020 [5]	Sent to ACER	01/01/2020 -	DE-DK1_NO2 (DE side) (future Hansa)	DE-DK1	23.9% from linear trajectory based per CNEC [8]	31.6% from linear trajectory based per CNEC [8]	39.4% from linear trajectory based per CNEC [8]	47.0% from linear trajectory based per CNEC [8]	54.6% from linear trajectory based per CNEC [8]	1 ' ' '	In addition to the action plan the TenneT 's commitment also applies [8]
DE	VA/ FOLL-	04/07/2019	0,,0 (0)	18/12/2019 [6] [7]	31/12/2025		Kontek	70%	70%	70%	70%	70%	70%	No linear trajectory
	Baltic Cable	[4]				DE-DK2 (DE side) (future Hansa)	Kriegers Flak combined grid solution [18]	0%	11.7%	23.3%	35.0%	46.7%	58.3%	, ,
						DE-DK1_NO2 (DE side) (future Hansa)	DE-NO2	0%	11.7%	23.3%	35.0%	46.7%	58.3%	
						DE-SE4 (DE side) (future Hansa)	DE-SE4	41.4%	46.2%	50.9%	55.7%	60.5%	65.2%	
HR	HOPS	Yes, September 2021 [16]	12/11/2021 [17]	25/02/2022	25/02/2022 - 31/12/2025	HR-HU (HR side), HR-SI (HR side) (from 9 June 2022: Core)	HR-HU, HR-SI	NA	NA	20.4%	32.8%	45.2%	57.6%	
							Oroszlány – Dunamenti			25.0%	36.25%	47.50%	58.75%	
						HR-HU (HU	Oroszlány–Győr			25.0%	36.25%	47.50%	58.75%	
I			20/06/2021	16/12/2021	01/01/2022 -	side), HU-RO	Győr-Neusiedl	1	l.,.	25.0%	36.25%	47.50%	58.75%	
HU	MAVIR	No	29/06/2021	16/12/2021	31/12/2025	(HU side), HU-SK (HU side) (from	Győr-Vienna	NA	NA	25.0%	36.25%	47.50%	58.75%	
						9 June 2022: Core)	Paks–Sándorfalva			33.0%	42.25%	51.50%	60.75%	

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		Structural co	ngestion report	Action	<u> </u>		Bidding zone borders or			Point of linear traje (= MAC	ctory in min MACZT ZTtarget)	%		
Cour	try TSOs	TSO report published		Approval by Member State	Starting/end date of action plan	IRelevant CCA	CNECS	2020	2021	2022	2023	2024	2025	Remarks
							CWE CNECs (from 9 June 2022: Core CNECs)	min: 20%, max: 70%, mean: 26%, median: 20%	min: 28%, max: 70%, mean: 33%, median: 28%	min: 37%, max: 70%, mean: 41%, median: 37%		min: 53%, max: 70%, mean: 55%, median: 53%	70%, mean: 63%,	MACZT target defined based on average MCCC for CWE. MNCC contribution not considered
NL	TenneT NL	Yes, annex of NRA decision [1]		Yes, published December 2019 [3]	01/01/2020 - 31/12/2025	GB-NL (NL side) (future Channel)	NL-GB	70%	70%	70%	70%	70%	70%	No linear trajectory
						DK1-NL (NL side) (future Hansa)	NL-DK1	70%	70%	70%	70%	70%	70%	No linear trajectory
						NL-NO2	NL-NO2	70%	70%	70%	70%	70%	70%	No linear trajectory
						PL-CZ_DE_SK (from 9 June 2022: Core)	• PL- DE • PL-CZ • PL-SK	min: 0%, max: 29%	min: 12%, max: 36%	min: 23%, max: 43%		min: 47%, max: 58%	min: 58%, max: 64%	
PL	PSE	No	07/08/2019 [9]	17/12/2019 [10]	01/01/2020 - 31/12/2025	LT-PL (PL side) (future Baltic)	PL-LT	70%	70%	70%	70%	70%	70%	No linear trajectory
						PL-SE4 (PL side) (future Hansa)	PL-SE4	70% for SE4-PL 40% for PL-SE4	70% for SE4-PL 45% for PL-SE4	70% for SE4-PL 50% for PL-SE4	70% for SE4-PL 55% for PL-SE4	70% for SE4-PL 60% for PL-SE4	70% for SE4-PL 65% for PL-SE4	
RO	Transelect	Ito NRA	11/11/2020	28/07/2021 [15]	01/01/2021 -	RO borders (from 9 June 2022: Core)	RO-HU	NA	33%	41%	48%	55%	63%	
	ca	decision [13]	[13]	25,57,2521 [15]	31/12/2025	RO borders (South-East Europe, SEE)	RO-BG	NA	25%	34%	43%	52%	61%	

Notes referred to in the table:

- $1\ \underline{\text{https://www.acm.nl/sites/default/files/documents/goedkeuring-structurele-congestierapport-tennet-tso-def.pdf}$
- 2 https://www.acm.nl/nl/publicaties/goedkeuring-structurele-congestierapport-tennet-tso
- 3 https://open.overheid.nl/repository/ronl-d8f4ee65-019a-4bb1-aa17-f883fd467966/1/pdf/Actieplan%20Verhoging%20beschikbaarheid%20zone-overschrijdende%20transportcapaciteit%20elektriciteitshandel.pdf
- 4 https://www.bundesnetzagentur.de/DE/Service-Funktionen/Beschlusskammern/BK04/BK4_91_Weiteres/Engpassbericht/190704_4_UENB_Engpassbericht final_BA.pdf?__blob=publicationFile&v=3
- 5 Bericht gemäß Artikel 14 Absatz 7 der Verordnung (EU) 2019/943 (bundesnetzagentur.de)
- 6 https://www.bmwi.de/Redaktion/DE/Downloads/A/aktionsplan-gebotszone.html
- 7 https://www.bmwi.de/Redaktion/EN/Downloads/a/action-plan-bidding-zone.pdf? blob=publicationFile&v=6
- 8 In 2020 the starting point is 428 MW, but that might change with new lines. The minimum 1300 MW as "TenneT's commitment" from DG COMP applies in addition to the starting point.
- 9 https://www.gov.pl/web/aktywa-panstwowe/plan-dzialania-przyjety-przez-kse
- 10 Adopted for implementation on December 17, 2019 First page of www.gov.pl/attachment/8f1ecddb-e974-4562-8768-219f7051a8cf
- $\textbf{11} \\ \underline{\text{https://www.e-control.at/documents/1785851/0/Beilage+1+-+Hotspot+Bericht+gem+Art+14+Abs+7+EU-VO.pdf/cc107b19-4ad5-2404-1521-4afe3f268f1f?t=1601447284360}$
- $\textbf{12} \hspace{0.2cm} \hspace{0.$
- 13 https://www.anre.ro/ro/energie-electrica/legislatie/coduri-paneuropene1476186098/regulamentul-ue-nr-943-2019
- 14 https://www.bmk.gv.at/themen/energie/europ_int/eu/action_plan.html
- $\textbf{15} \ \underline{\text{https://www.transelectrica.ro/documents/10179/9534702/Plan+de+actiuni+-+final_30.03.2021.pdf/78972b81-ca90-4fab-ad4d-055f1c54b7f8}$
- 17 https://www.hera.hr/hr/docs/2021/Odluka_2021-11-12_02.pdf
- 18 In accordance with Commission Decision (EU) 2020/2123, the minimum value in percent is applied to the available transmission capacity after deducting the forecast feed-in from the offshore wind farms.



				Procedural aspects of do	erogation				Co	ontent of derogati	on request			
Col	ITSOS	Relevant CCA	Respective bidding zone borders or CNECs	Reasons for derogation	Formal disagreem ent to the derogation request	NRA approval	Duration of derogation	Included minimum level of MACZT	Minimum level specified	Monitoring requirement (including frequency)	Includes a timeline for the adoption of the methodology	Includes a timeline for the projects	harmonisa tion in Capacity Calculation	Derogation request includes explanation why TSO cannot publish methodology
АТ	APG	CWE, AT- CZ_HU_SI (AT side)	APG's CNECs in CWE APG's NTC bidding zone borders in Core: AT-CZ, AT-HU, AT-SL	Insufficient concepts and IT tools Insufficient redispatch potential Uncertainties due to external flows from 3rd countries Loop flows and Phase Shifting Transformer (PST) flows Uncertainties due to absence of common coordinated forecast process	None	Approved by E- Control. Date of decision: 13/12/2019	1 year	Yes	For NTC borders (AT/CZ, AT/HU and AT/SI): Per border and direction the values that are at least on the same level (on average per border and per direction) as in the last three years. For the Flow Based (FB) border (AT/DE): 20% of Fmax per CNEC for cross-zonal trades within the CWE region and the currently applied process of the long-term capacity inclusion.	Yes, biannually	No	Yes, for Core FB Capacity Calculation Methodology (CCM): mid 2021	No	NA
		Italy North, AT- CZ_HU_SI (AT side)	APG's CNECs in Italy North	Insufficient concepts and IT tools Insufficient redispatch potential Uncertainties due to external flows from 3rd countries Loop flows and PST flows Uncertainties due to absence of common coordinated forecast process	None	Approved by E- Control. Date of decision: 13/12/2019	1 year	Yes	NTC values that are at least on the same level (on average per direction) as in the last three years.	Yes, biannually	No	Yes, for development of new processes and tools: end 2020	Yes	NA
BE	Elia	CWE		Loop flows Lack of redispatching potential in case of planned outage for grid reinforcement Development of new processes and tools	None	Approved by CREG. Date of decision: 05/12/2019	1 year for loop flows and lack of redispatching potential, 3 months for development of new processes and tools	Methodolog Y	MACZTmin = 70% - max(0; LFcalculated - LFacceptable) LFacceptable is 30%-FRM for cross-zonal CNECs and 50% of (30%-FRM) for internal CNECs, all exchanges considered Minimum 20% of Fmax in CWE	Yes, no frequency specified	Yes, 01/04/2020	Yes, for process and tools: 01/04/2020	Partially in CWE	NA
BG	ESO EAD	BG-GR (BG side), BG-RO (BG side) (future SEE)	• BG-GR • BG-RO	Existence of physical power flows with neighbouring non-EU countries Current inability to apply SEE CCR methodology for coordinated capacity calculation ESO EAD has no operational experience on the technical implications of conducting a re-dispatching action to increase cross-zonal capacity Technical limitations of cross-zonal power flows Projects for long-term solution - construction of new 400kV transmission lines	None		2 years from the date of approval (28/10/2020 to 28/10/2022)	No	NA	No	No	No	Yes	NA
CZ	CEPS	CZ borders (future Core)		Absence of CACM-compliant CCM (cNTC or FB) Loop flows Development and testing of significant methodological changes in CCMs and Capacity Allocation Mechanisms (CAMs) ACER Recommendation does not take interdependencies between bidding zone borders into account Level of available capacity cannot be calculated	None	Approved by ERO. Date of decision: 11/12/2019	1 year	No	NA	No	No	No	No	NA



				Procedural aspects of do	erogation				Co	ontent of derogation	on request			
Cou try	ITSOs	Relevant CCA	Respective bidding zone borders or CNECs	Reasons for derogation	Formal disagreem ent to the derogation request	NRA approval	Duration of derogation	Included minimum level of MACZT	Minimum level specified	requirement (including	Includes a timeline for the adoption of the methodology	Includes a timeline for the projects	harmonisa tion in Capacity Calculation	Derogation request includes explanation why TSO cannot publish methodology
ES	REE	ES- FR (ES side) and ES-PT (ES side) until 28/01/2020, SWE from 29/01/2020 onwards	• ES-FR • ES-PT	Development of new tools for assess in a coordinated manner and validate the potential available remedial actions (considering the already existing grid and generation assets) Implementation of SWE CCM (go-live January 2020) Development and implementation of monitoring tools to better calculate margin	None	Approved by CNMC. Date of decision: 17/12/2019	1 year	No	NA	Yes, quarterly	No	Yes, for development of SWE D-2 CCM: January 2020	Yes	NA
		CWE	RTE's CNECs in CWE	Uncertainties due to external flows from neighbouring CCRs and 3rd countries Development of new processes and tools	None	Approved by CRE. Date of decision: 12/12/2019	6 months (01/01/2020- 30/06/2020)	Yes	20% of Fmax	Yes, every two months	No	Yes, until 30/06/2020	Partially in CWE	NA
		ew E	RTE's CNECs in CWE	The main driver for this derogation is the impact of Covid-19 into the technical roadmap targeted six months before.	None	Approved by CRE. Date of decision: 18/06/2020	6 months (01/07/2020- 31/12/2020)	No	20% of Fmax	Yes, every month	No	Yes, until 01/01/2021	No	NA
FR	R RTE U	ES-FR (FR side) until 28/01/2020, SWE from 29/01/2020 onwards	FR-ES	Development of new tools for assess in a coordinated manner and validate the potential available remedial actions (considering the already existing grid and generation assets) Implementation of SWE CCM (go-live January 2020) Development and implementation of monitoring tools to better calculate margin	None	Approved by CRE. Date of decision: 12/12/2019	1 year	Yes	70% in 70% of the relevant hours of the year. No specific information on the scope of the 'relevant' hours is included.	Yes, every three months	No	Yes, for development of SWE D-2 CCM: January 2020	Yes	No
		Italy North	FR-IT	Uncertainties on external flows from outside the coordination area and from 3rd countries Not enough experience in granting operational security with high cross border capacity and potential high request for remedial actions Development of new processes and tools both at TSO and Regional Security Coordinator (RSC) levels	None	Approved by CRE. Date of decision: 12/12/2019	1 year	Yes	70% in 70% of the relevant hours of the year. No specific information on the scope of the 'relevant' hours is included.	Yes, every three months	No	No	Yes	No
GR		horders (future	GR-BG	Absence of coordinated capacity calculation in SEE CCR Uncertainties in the capacity calculation process related to non-coordinated areas Insufficient redispatch potential to guarantee the 70% capacity criterion Insufficient IT-tools for capacity calculation and validation Absence of consideration of flows of 3rd countries in the capacity calculation	None	Approved by RAE. Date of decision: 15/10/2020	1 year	No	NA	Yes, no frequency specified	No	Yes, SEE D-2 CCM to be implemented by the end of 2020	Yes	NA



					Procedural aspects of do	erngation					ontent of derogati	on request			
Cou		s Rele	levant CCA	Respective bidding zone borders or CNECs	Reasons for derogation	Formal disagreem	NRA approval	Duration of derogation	Included minimum level of MACZT	Minimum level specified	Monitoring	Includes a timeline for the adoption of the methodology	Includes a timeline for the projects	harmonisa tion in Capacity Calculation	Derogation request includes explanation why TSO cannot publish methodology
HR	ноғ	S side side Cor	re) (future re)	All critical elements of the	Absence of CACM-compliant CCM (cNTC or FB) Insufficient redispatch potential Lack of redispatching potential in case of planned outage for grid reinforcement	None	Approved by HERA. Date of decision: 17/12/2019	1 year	No	NA	No	No	No	No	NA
ни	MA	side (HU /IR HU HR-	J-RO (HU le), HU-SK U side), AT- J (HU side), R-HU (HU le) (future re)	HU-HK HU-AT HU-RO HII-SK	Absence of CACM-compliant CCM (cNTC or FB) Consideration of cross-zonal trade over non-EU borders Absence of CACM-compliant redispatching and countertrading (+ cost sharing) methodologies Absence of regional impact	None	Approved by MEKH. Date of decision: 11/12/2019	1 year	No	NA	Yes, 6 weeks after end of quarter	No	No	No	NA
		Italy		All Italy North borders	Uncertainties on external flows from outside the coordination area and from 3rd countries Not enough experience in granting operational security with high cross border capacity and potential high request for remedial actions Development of new processes and tools both at TSO and RSC levels		Approved by ARERA. Date of decision: 19/12/2019	1 year	No	NA	Yes, quarterly	No	No	Yes	NA
IΤ	Terr	IT ir	internal irders	• SHID - ROSN	 Alignment with new Bidding-Zone Review (BZR) configuration entering into force in 2021 Implementation of proper CCM foreseen in 2020 	None	Partially approved by ARERA for current constraints only. Date of decision: 28/01/2020	1 year	No	NA	Yes, periodically	No	Yes, updated CCM foreseen in the course of 2020	No	NA
NL	Ten NL	neT CW	VE I	TenneT's	Loop flows Lack of redispatching potential in case of planned outage for grid reinforcement Development of new processes and tools		Approved by ACM. Date of decision: 19/12/2019	1 year	Methodolog Y	MACZTmin = MACZTtarget - max(0; LFcalculated - LFacceptable) LFacceptable is 30%-FRM for cross- zonal CNECs and 50% of (30%-FRM) for internal CNECs, only CWE exchanges considered Minimum 20% of Fmax in CWE MACZTtarget is 70% or action plan levels per CNEC	Yes, monthly	Yes, 01/04/2020	Yes, for development of new processes and tools: 01/04/2020 and a report detailing methodologie s and projects: 01/07/2020	Partially in	NA



	Regulators			Procedural aspects of de						ontent of derogation	on request			
Cou	TSOs	Relevant CCA	Respective bidding zone borders or CNECs	Reasons for derogation	Formal disagreem ent to the derogation request	NRA approval	Duration of derogation	Included minimum level of MACZT	Minimum level specified	Monitoring requirement (including frequency)	Includes a timeline for the adoption of the methodology	Includes a timeline for the projects	Alignment and harmonisa tion in Capacity Calculation Region (CCR)	Derogation request includes explanation why TSO cannot publish methodology
PL	PSE	PL-CZ_DE_SK (future Core)	• PL-DE • PL-CZ • PL-SK	Development of new processes and tools Loop flows Uncertainties due to transit flows from cross-zonal trade outside of PL	None	Approved by URE. Date of decision: 30/12/2019	Development of new processes and tools - 6 months (01/01/20 - 30/06/20) Loop flows and uncertainties due to transit flows from cross-zonal trade outside of PL - 1 year	Methodolog y	MACZTmin is 70% or action plan levels per CNEC LFacceptable is (100%-MACZTmin)*Fmax -FRM for crosszonal CNECs and 10% of (100%-MACZTmin)*Fmax -FRM for internal CNECs MNCC is equal to MNCC _{CGM} + MNCC _{margin} , where MNCC _{margin} is accounting for uncertainties	No	NA	Yes, for development of new processes and tools: 30/06/2020	No	No
		PL-SE4 (PL side) (future Hansa)	PL-SE4	Development of new processes and tools	None	Approved by URE. Date of decision: 30/12/2019	6 months (01/01/2020- 30/06/2020)	No	NA	No	NA	Yes, for development of new processes and tools: 30/06/2020	No	NA
PT	REN	ES-PT (PT side) until 28/01/2020, SWE from 29/01/2020 onwards	PT-ES	Development of new tools for assess in a coordinated manner and validate the potential available remedial actions (considering the already existing grid and generation assets) Implementation of SWE CCM (go-live January 2020) Development and implementation of monitoring tools to better calculate margin	None	Approved by ERSE. Date of decision: 19/12/2019	1 year	No	NA	No	No	Yes, for development of SWE D-2 CCM: January 2020	Yes	NA
RO	Transel ectrica	RO borders (future Core) RO borders (future SEE)	RO-HU RO-BG	Absence of CACM-compliant CCM (cNTC or FB) Consideration of cross-zonal trade over non-EU borders Lack of operational experience and software tools for applying redispatch to increase cross-zonal capacity	None	Approved by ANRE. Date of decision: 20/12/2019	1 year	No	NA	No	No	No	No	No
SE	SvK	DK1-SE3 (SE side), DK2-SE4 (SE side), NO1- SE3 (SE side) (future Nordic) DE-SE4 (SE side), PL-SE4 (SE		Structural congestion at the West Coast Corridor Currently using the NTC capacity calculation approach, which does not efficiently and precisely define the limiting network elements as only a FB representation of the network can achieve. Data that can be utilised for defining the starting point of a linear tractor in a future action plan, to reach CEP 70% requirement, is not in hand yet	None	Approved by Ei. Date of decision:	1 year	No	NA	Yes, no later than five days after the interconnection capacity for a single hour has been less than	No	No	No	NA
		side) (future Hansa) LT-SE4 (SE side) (future Baltic)	• SE4 -PL SE4-LT	Lack of downregulation volumes makes SvK unable to meet the CEP 70% requirement from 2020 without endangering operational security in a N-1 situation.		19/12/2019				70% on any of the interconnections				
SK	SEPS	CZ-SK (SK side), HU-SK (SK side), PL-SK (SK side) (future Core)	Not defined	Absence of CACM-compliant CCM (cNTC or FB)	None	Approved by URSO. Date of decision: 20/12/2019	1 year	No	NA	No	No	No	No	NA



					Procedural aspects of derog	gation					Content of derogation	on request			
Cou		Os (Relevant CCA	Respective bidding zone borders or CNECs	Reasons for derogation	Formal disagreem ent to the derogation request	NRA approval	Duration of derogation	Included minimum level of MACZT	Minimum level specified	Monitoring requirement (including frequency)	Includes a timeline for the adoption of the methodology	Includes a timeline for the projects	Alignment and harmonisa tion in CCR	Derogation request includes explanation why TSO cannot publish methodology
AT	APG	:	CWE, AT- CZ_HU_SI (AT side)	APG's CNECs in CWE APG's NTC bidding zone borders in Core: AT-CZ, AT-HU, AT-SI	Ongoing work on IT concepts and implementation Secondly systematic issues (e.g. loop flows and PST flows, margin for uncoordinated transits and absence of 3rd country flows in the CCM)	None	Approved by E-Control. Date of decision: 21/12/2020	1 year (2021)	Methodology	• MACZTmin = MACZTtarget - max(0; LFcalculated - LFacceptable) • LFacceptable is 30%-FRM for cross-zonal CNECs and 30% of (30%- FRM) for internal CNECs, all exchanges considered • Minimum 20% of Fmax in CWE • MNCC is equal to MNCC _{CGM} + MNCC _{margin} where MNCC _{margin} is accounting for uncertainties	Yes, report deviations, no frequency	Yes, Q2 2021	Yes, Q2 2021 for IT tools	Partially with BE and PL	NA
		- 1	Italy North, AT- CZ_HU_SI (AT side)	APG's CNECs in Italy North	Not finished development and testing of the necessary IT-Tools for the calculation of the MACZTmin criterion (defined in the action plan) in the capacity calculation area Not finished development and testing of the necessary IT-Tools for the validation of the calculated capacities under consideration of the MACZTmin criterion (defined in the action plan)	None	Approved by E-Control. Date of decision: 21/12/2020	6 months (01/01/2021 - 30/06/2021) and another 6 months (01/07/2021 - 31/12/2021)	Yes	Minimum level is specified as the same level (on average per direction) as in the last 3 years.	No	No	Yes, end of Q2 2021	Yes	NA
BE	Elia	1	CWE	Elia's CNECs in CWE	Loop flows	None	Approved by CREG. Date of decision: 22/10/2020	1 year (2021)	Methodology	MACZTmin = 70% - max(0; LFcalculated - LFacceptable) LFacceptable is 30%-FRM for cross-zonal CNECs and 50% of (30%-FRM) for internal CNECs, all exchanges considered Minimum 20% of Fmax in CWE	Daily, reporting deviations on loopflow derogation every trimester	NA	Yes, 01/07/2021 Report detailing methodologies and projects	Partially with NL	NA
BG	ESO EAD	, !	BG-GR (BG side), BG-RO (BG side) (future SEE)	• BG-GR • BG-RO		See	derogation requ	uest 2020, approv	red on 28/10/20)20 for a duration of 2 years (until 28/	(10/2022)			•	
cz	CEP	PS	CZ borders (future Core)	Not defined	Reliability margins to cover uncertainties and inaccuracies, loop flows and internal flows exceed 30% of the transmission capacity Inexistent regional coordinated calculation and transmission capacity allocation Inexistent operational agreements with the neighbouring transmission system operators Transmission capacity calculation cannot be additionally improved for further transmission capacity increases	None	Approved by ERO. Date of decision: 17/12/2020	1 year (2021)	Yes	In export direction — at least 60% of the transmission capacity during no less than 90% of business hours In import direction — at least 40% of the transmission capacity during no less than 90% of business hours	No	No	No	No	No
ES	REE		SWE	• ES-FR • ES-PT	The temporary lack of a remedial action validation tool	None	Approved by CNMC. Date of decision: 19/11/2020	1 year (2021)	Yes	Yes, 70% capacity for 70% of the relevant hours	Yes, regularly	No	No	Yes	No
FR	RTE		SWE	FR-ES	The temporary lack of a remedial action validation tool	None	Approved by CRE. Date of decision: 26/11/2020	1 year (2021)	Yes	Yes, 70% capacity for 80% of the relevant hours. No specific information on the scope of the 'relevant' hours is included.	Yes, monthly	No	No	Yes	No



				Procedural aspects of derog	gation					Content of derogation	on request			
Cou try	n TSOs	Relevant CCA	Respective bidding zone borders or CNECs	Reasons for derogation	Formal disagreem ent to the derogation request	NRA approval	Duration of derogation	Included minimum level of MACZT	Minimum level specified	Monitoring requirement (including frequency)	Includes a timeline for the adoption of the methodology	Includes a timeline for the projects	Alignment and harmonisa tion in CCR	Derogation request includes explanation why TSO cannot publish methodology
GR	ADMIE (IPTO)	GR northern borders (future SEE)	GR-BG	Absence of consideration of flows of 3rd countries in the capacity calculation and the margin available for cross-zonal trade Insufficient potential for remedial actions to guarantee the 70% capacity criterion Insufficient IT-tools for capacity calculation process embedding the 70% threshold (in line with the regulation 2019/943)		Approved by RAE. Date of decision: 22/07/2021	1 year (2021)	No	NA	Yes, no frequency specified	No	Yes, for the implementation of the SEE CCM: July 2021	No	NA
HR	HOPS	HR-HU (HR side), HR-SI (HR side) (future Core)	• HU-HR • HR-SI	Time necessary to build the required tools to adequately take into account power flows within and outside the Core CCR Limited redispatching activation potential Long-term planned network element disconnections	None	Approved by HERA. Date of decision: 24/11/2020	1 year (2021)	Yes	20% of Fmax	Yes, no frequency specified	Yes, 30/04/2021	Yes, 30/04/2021	No	No
ни	MAVIR	HU-RO (HU side), HU-SK (HU side), AT-HU (HU side), HR-HU (HU side) (future Core)	• HU-HR • HU-AT • HU-RO • HU-SI (from end 2021)	Absence of CACM-compliant CCM (cNTC or FB) Consideration of cross-zonal trade over non-EU borders Absence of CACM-compliant redispatching and countertrading (+ cost sharing) methodologies Absence of regional impact Operational security problems coming from uncertainties and assumptions in the coordinated (mostly bilateral) CC	None	Approved by HEA. Date of decision: 10/12/2020	1 year (2021)	Yes	75% of hours, including 3rd country flows: • SK-HU border/import direction: 10% • AT-HU border/import direction: 25% • HR-HU border/import direction: 10%	No	No	No	No	No
п	Terna	Italy North	All Italy North borders	Ongoing work on IT concepts to compute margins and adjust the minimum capacity accordingly The presence of allocation constraints related to voltage and stability constraints for the Italian system		Approved by ARERA. Date of decision: 15/12/2020	1 year (2021)	No	NA	Yes, daily (on a centralized web- platform) and quarterly (directly)	No	Yes, for development of new processes and tools: S1 2021 Dedicated study for allocation constraints: June 2021	No	NA
NL	Tenne1 NL	CWE	TenneT's CNECs in CWE	Loop flows Lock of redispatching potential in case of (i) unplanned outages and (ii) planned outages for grid reinforcement	None	Approved by ACM. Date of decision: 16/11/2020	1 year (2021)	Methodology		Daily, reporting deviations on loop flows derogation, monthly	NA	Yes, 01/07/2021 Report detailing methodologies and projects	Partially with BE	NA
	NE	GB-NL (NL side) (future Channel)	NL-GB	Lack of redispatching potential in case of (i) unplanned outages and (ii) planned outages for grid reinforcement	None			No	No	Yes, monthly in case of reduction	No	No	No	NA
		DK1-NL (NL side) (future Hansa)	NL-DK1	Lack of redispatching potential in case of (i) unplanned outages and (ii) planned outages for grid reinforcement	None			No	No	Yes, monthly in case of reduction	No	No	No	NA



				Procedural aspects of derog	gation					Content of derogation	on request			
Cou	TSOs	Relevant CCA	Respective bidding zone borders or CNECs	Reasons for derogation	Formal disagreem ent to the derogation request	NRA approval	Duration of derogation	Included minimum level of MACZT	Minimum level specified	Monitoring requirement (including frequency)	Includes a timeline for the adoption of the methodology	Includes a timeline for the projects	and	Derogation request includes explanation why TSO cannot publish methodology
PL	PSE	PL-CZ_DE_SK (future Core)	• PL-DE • PL-CZ • PL-SK	Loop flows Uncertainties of the non-coordinated transit flows	None	Approved by URE. Date of decision: 21/12/2020	1 year (2021)	Methodology	MACZTmin is 70% or Action Plan levels per CNEC LFacceptable is (100%- MACZTmin)*Fmax -FRM for cross- zonal CNECs and 10% of (100%- MACZTmin)*Fmax -FRM for internal CNECs MNCC is equal to MNC _{CCGM} + MNCC _{margin} , where MNCC _{margin} is accounting for uncertainties	No	NA	No	Partially with AT	NA
PT	REN	SWE	ES-PT	The temporary lack of a remedial action validation tool	None	Approved by ERSE. Date of decision: 22/12/2020	1 year (2021)	Yes	Yes, 70% capacity for 70% of the relevant hours	Yes, regularly		Description of the projects for 2021	Yes	No
SE	SvK	DK1-SE3 (SE side), DK2-SE4 (SE side), NO1-SE3 (SE side) (future Nordic)	• SE3-NO1 • SE3-DK1 • SE4-DK2	Operational security Congestion in the West Coast Corridor, inside bidding zone SE3, in combination with the lack of downregulation volumes makes SvK unable to meet the CEP 70% requirement in 2021 without	None	Approved by Ei. Date of decision: 17/12/2020	1 year (2021)	No	NA	Yes, no later than five days after the interconnection capacity for a single hour has been less than 70% on any of the interconnections	No	Yes, Q4 2022 - Q1 2023 for Nordic FB	No	NA
		DE-SE4 (SE side), PL-SE4 (SE side) (future Hansa) LT-SE4 (SE side) (future Baltic)	• SE4-DE • SE4 -PL SE4-LT	endangering operational security in a N-1 situation	None	Approved by Ei. Date of decision: 17/12/2020	1 year (2021)	No	NA	Yes, no frequency specified	No	Yes, between 2021 and 2023	No	NA
sĸ	SEPS	CZ-SK (SK side), HU-SK (SK side), PL-SK (SK side) (future Core)	• SK-CZ • SK-PL • SK-HU • SK-UA (3rd country)	Operational security of the connected systems	None	Approved by URSO. Date of decision: 15/12/2020	1 year (2021)	Yes	30 % for CZ-SK import 30 % for SK-CZ export 30 % for PL-SK import 30 % for SK-PL export 30 % for SK-PL import 30 % for HU-SK import 30 % for SK-HU export of transmission capacities no less than in 80 % of hours	No	No	No	No	No

(future SEE)

Derogation requests for 2022: Overview and main characteristics

					Procedural asp	ects of derogatio	n				Content of derogation	on request		
Cr	oun .	TSOs	Relevant CCA	Respective bidding zone borders or CNECs	Reasons for derogation	Formal disagreement to the derogation request	INRA annroval	Duration of derogation	Includes minimum level of MACZT	Changes in the minimum level of MACZT increased since the previous year?	Minimum level specified	Monitoring achievement of the target (including frequency of reporting)	timeline for	Alignment and harmonisation in CCR
A	т	APG	CWE, AT- CZ_HU_SI (AT side)	APG'S CNECS in CWE APG'S NTC bidding zone borders in Core: AT-CZ, AT-HIL AT-SI	Systemic issues • Usage of CNEC capacity > threshold by loop flows and PST flows (lack of cross-CCR coordination) • Margin for uncoordinated transits (unreliable forecasts) • Absence of consideration of 3rd country flows in the capacity calculation	None	Approved by E- Control. Date of decision: 16/12/2021	1 year (2022)	Yes, methodology	Updated methodology	MACZTmin = MACZTtarget - max(0; LFcalculated - LFacceptable) LFacceptable is 100%-FRM - MACZTmin before LF for crosszonal CNECs and 10% of (100%-FRM - MACZTmin before LF) for internal CNECs, all exchanges considered Minimum 20% of Fmax in CWE/Core MNCC is equal to MNCC _{GGM} + MNCC _{margin} , where MNCC _{margin} is accounting for uncertainties	Yes, and report deviations. No frequency specified	No	Partially with BE and PL
В	E	Elia	CW/F/Core	Elia's CNECs in CWE/Core	Loop flows	None	Approved by CREG. Date of decision: 02/12/2021	1 year (2022)	Yes, methodology	Same methodology	IERM) for internal CNECs, all	Yes, reporting deviations every trimester	High-level timeline for DA CCM, DA CCM coordainted validation, Core SOGL76 and CACM35, CACM 74	Partially with other countries (for methodological approach to loop flow derogation)
В	(-)		.,	• BG-GR • BG-RO		S	ee derogation red	quest 2020, appr	oved on 28/10/20	020 for a duration	n of 2 years (until 28/10/2022)			



					Procedural asp	ects of derogation	on				Content of derogation	on request		
Co		SOs	Relevant CCA	Respective bidding zone borders or CNECs	Reasons for derogation	Formal disagreement to the derogation request	NRA approval	Duration of derogation	Includes minimum level of MACZT	Changes in the minimum level of MACZT increased since the previous year?	Minimum level specified	Monitoring achievement of the target (including frequency of reporting)	timeline for	Alignment and harmonisation in CCR
CZ	CE	EPS	CZ borders (future Core)	Not defined	Reliability margins to cover uncertainties and inaccuracies, loop flows and internal flows exceed 30% of the transmission capacity Inexistent regional coordinated calculation and transmission capacity allocation Inexistent operational agreements with the neighbouring transmission system operators Transmission capacity calculation cannot be additionally improved for further transmission capacity increases The derogation granted for year 2021 represents a technical maximum	None	Approved by ERU. Date of decision: 22/11/2021		Only in the "normal" network configuration i.e. no relevant outage	No	In case of relevant outage: no target. In absence of relevant outage: In export direction – at least 60% of the transmission capacity at least 90% of hours In import direction – at least 40% of the transmission capacity at least 90% of hours	No	No	No
ES	RE	EE	SWE	ES-FR	 Lack of practical experience in applying the necessary remedial actions. Temporary lack of a remedial action validation tool 	None	Approved by CNMC. Date of decision: 22/12/2021	1 year (2022)	Yes	Yes, increase	70% capacity for 75% of the hours, but the TSO consider fulfilled the hours when in the concerned border and direction the commercial exchange program is smaller than the corresponding NTC value	Yes, reporting to the NRA (no frequency)	the projects for	Partially with PT
GR			GR northern borders	RG-GR	Absence of consideration of flows of 3rd countries in the capacity calculation and the margin available for cross-zonal trade Insufficient potential for remedial actions to guarantee the 70% capacity criterion Insufficient IT-tools for capacity calculation process embedding the 70% threshold (in line with the regulation 2019/943)	None	Approved by RAE. Date of decision: 22/12/2022	1 year (2022)	No, only best effort to offer NTC values that are at least on the same level (on average per direction) as in the last three years	No	NA	Yes, reporting to the NRA (no frequency)	INO	Partially with BG



				Procedural asp	ects of derogation	n				Content of derogation	on request		
Cou try	n TSOs	Relevant CCA	Respective bidding zone borders or CNECs	Reasons for derogation	Formal disagreement to the derogation request	NRA approval	Duration of derogation	Includes minimum level of MACZT	Changes in the minimum level of MACZT increased since the previous year?	Minimum level specified	Monitoring achievement of the target (including frequency of reporting)	Includes a timeline for the projects	Alignment and harmonisation in CCR
HR	HOPS	HR-SI and HR- HU (future Core)	HR-SI and HR- HU	Time necessary to build the required tools to adequately take into account power flows within and outside the Core CCR Limited redispatching activation potential Long-term planned network element disconnections Time needed adopting an action plan	None	Approved by HERA on 29/12/2021	1 year (2022), or to the date of approval of the action plan, whichever comes first	Yes	No	No less than the minimum capacity allocated for each market unit in the period 2019 to 2021, and no less than the capacity that corresponds to 20% of the load for each CNEC	Yes, reporting to the NRA (no frequency)	No	No
ΙΤ	TERNA	Italy North	All Italy North borders	The presence of allocation constraints related to voltage and stability constraints for the Italian system The export capacity is not currently computed through a proper coordinated capacity calculation process	None	Approved by ARERA on 21/12/2021	1 year (2022)	No	No	NA	Yes, daily (on a centralized web- platform) and quarterly to the NRA	For the tools needed for the capacity calculation process in the export direction: S1 2023	No
NL	TenneT NL	CWE	TenneT's CNECs in CWE	Loop flows Lack of redispatching potential in case of (i) unplanned outages and (ii) planned outages for grid reinforcement Methodologies of DA capacity calculation, SOGL 76, and CACM 35 not yet implemented, leading to uncertain levels of remedial actions	None	Approved by ACM. Date of decision: 01/12/2021	1 year (2022)	Yes, methodology	Same methodology	MACZTmin = MACZTtarget - max(0; LFcalculated - LFacceptable) LFacceptable is 30%-FRM for cross-zonal CNECs and 50% of (30%-FRM) for internal CNECs, only CWE exchanges considered Minimum 20% of Fmax in CWE MACZTtarget are action plan levels per CNEC		On 01/07/2022 report detailing methodologies and projects	Partially with BE
		GB-NL (NL side) (future Channel)	NL-GB	Lack of redispatching potential in case of (i) unplanned outages and (ii) planned outages for grid reinforcement			1 year (2022)	No	No	NA	Yes, monthly in case of reduction	No	No
		DK1-NL (NL side) (future Hansa)	NL-DK1	Lack of redispatching potential in case of (i) unplanned outages and (ii) planned outages for grid reinforcement			1 year (2022)	No	No	NA	Yes, monthly in case of reduction	No	No



					Procedural aspects of derogation					Content of derogation request					
Cou try	In TSC	Os I	Relevant CCA	Respective bidding zone borders or CNECs	Reasons for derogation	Formal disagreement to the derogation request	INRA annroval	Duration of derogation		Changes in the minimum level of MACZT increased since the previous year?	Minimum level specified	Monitoring achievement of the target (including frequency of reporting)	timeline for	Alignment and harmonisation in CCR	
PL	PSE		PL-CZ_DE_SK (future Core)	• PL-CZ	Loop flows Uncertainties of the non-coordinated transit flows	None	Approved by URE. Date of decision: 29/11/2021	1 year (2022) for loop flows 1 year (2022) or until Core DA CCM is implemented, whichever is sooner	Yes, methodology	Same methodology	MACZTmin is 70% or Action Plan levels per CNEC LFacceptable is (100%-MACZTmin)*Fmax -FRM for crosszonal CNECs and 10% of ((100%-MACZTmin)*Fmax -FRM) for internal CNECs MNCC is equal to MNCCCGM + MNCCmargin, where MNCCmargin is accounting for uncertainties	Yes, reporting to the NRA (no frequency)	For the derogation on uncertainties of the non-coordinated transit flows: implementation of Core DA CCM	Partially with AT	
PT	REN	N S	SWE	ES-PT	Lack of practical experience in applying the necessary remedial actions. Temporary lack of a remedial action validation tool	None	Approved by ERSE. Date of decision: 28/12/2021	1 year (2022)	Yes	Yes, increase	70% capacity for 75% of the hours	Yes, reporting to the NRA (no frequency)	Description of the projects for 2022	Partially with ES	
RO	Tra	nnsel l	RO-HU (future Core)	RO-НU	Key methodologies from the Regulation (EU) 2015/1222 and Regulation (EU) 2017/1485 are not implemented Lack of the regional coordinated processes for capacity calculation and security analysis Lack of the redispatching and countertrading processes implemented at regional level pursuant to Article 35 and 74 of Regulation (EU) 2015/1222 Lack of the consideration of the non-EU countries power flows in capacity calculation Lack of the coordination between capacity calculation regions with impact on the power flows through critical network elements Margin for uncoordinated transits (unreliable forecast)	None	Approved by ANRE. Date of decision: 02/02/2022	1 year (2022)	Yes	Same as the previous year	trade established by the national Action Plan for 2021 on Romania –	Yes, reporting to the NRA (quarterly and yearly, according to the action plan)	No	No	



				Procedural asp	ects of derogation	on		Content of derogation request						
Cou try	TSOs	Relevant CCA	Respective bidding zone borders or CNECs	Reasons for derogation	Formal disagreement to the derogation request	NRA approval	Duration of derogation	Includes minimum level of MACZT	Changes in the minimum level of MACZT increased since the previous year?	Minimum level specified	Monitoring achievement of the target (including frequency of reporting)	Includes a timeline for the projects	Alignment and harmonisation in CCR	
SE		DK1-SE3 (SE side), DK2-SE4 (SE side), NO1 SE3 (SE side) (future Nordic)	• SE3-NO1 • SE3-DK1 • SE4-DK2	Congestion in the West Coast Corridor, inside bidding zone SE3, in combination with the lack of downregulation volumes In addition, for SE3-NO1 and SE3-DK1: Higher flows from east to west loading elements that were previously not affecting capacity calculation							Yes, reporting to the NRA (no frequency)	No		
	SvK	DE-SE4 (SE side), PL-SE4 (SE side) (future Hansa)	• SE4-DE • SE4 -PL	Congestion in the West Coast Corridor, inside bidding zone SE3, in combination with the lack	Yes: - DUR (DK)	Not approved by ACER (Decision 17/2022).	1 year (2022)	No	NA	INA			No	
		LT-SE4 (SE side) (future Baltic)	SE4-LT		- EV (FI)	Date of decision: 26/10/2022								
		SE3-FI (future Nordic)	SE3-FI	Higher flows from east to west loading elements that were previously not affecting capacity calculation										
		Internal bidding-zone borders (future Nordic)	• SE2-SE3 • SE3-SE4											
SK	SEPS	CZ-SK (SK side), HU-SK (SK side), PL- SK (SK side) (future Core)	• SK-CZ • SK-PL • SK-HU • SK-UA (3rd country)	Operational security of the interconnected systems	None	Approved by URSO. Date of decision: 13/12/2021	1 year (2022)	Yes	Yes, increase	40 % for CZ-SK import 40 % for SK-CZ export 40 % for PL-SK import 40 % for SK-PL export 40 % for HU-SK import 40 % for SK-HU export of transmission capacities no less than in 80 % of hours. For the period of the year 2022 when the FB CC method is used, SEPS will offer at least 30 % or 40% of capacity for the lines for minimum 80 % of hours	No	Yes, timeline for the launch of the Core Flow-Based Market Coupling	No	

				Procedural aspects of derogation					Content of derogation request					
Cour	TSOs	Relevant CCA	Respective bidding zone borders or CNECs	Reasons for derogation	Formal disagreement to the derogation request	INRA annroval	Duration of derogation	Includes minimum level of MACZT	Changes in the minimum level of MACZT increased since the previous year?	Minimum level specified	Monitoring achievement of the target (including frequency of reporting)	Includes a timeline for the projects	Alignment and harmonisation in CCR	
AT	APG	Core		Systemic issues • Usage of CNEC capacity > threshold by loop flows and PST flows (lack of cross-CCR coordination) • Margin for uncoordinated transits (unreliable forecasts) • Absence of consideration of 3rd country flows in the capacity calculation	None	Approved by E- Control. Date of decision: 15/12/2022	1 year (2023)	Yes, methodology	Same methodology		Yes, and report deviations. No frequency specified.	NO	Partially with BE, NL and PL	
BE	Elia	Corp	Elia's CNECs in Core	Loop flows	None	Approved by CREG. Date of decision: 24/11/2022	1 year (2023)	Yes, methodology	Same methodology	cross-zonal CNECs and 0.5*(30% -	Yes, reporting deviations every trimester	High-level timeline for DA CCM, DA CCM coordainted validation, Core SOGL76 and CACM35, CACM		
GR		GR northern borders	BG-GR	Absence of consideration of flows of 3rd countries in the capacity calculation and the margin available for cross-zonal trade Insufficient potential for remedial actions to guarantee the 70% capacity criterion Insufficient IT-tools for capacity calculation process embedding the 70% threshold (in line with the regulation 2019/943)	None	Approved by RAE. Date of decision: 27/04/2023	1 year (2023)	No, only a minimum level of MCCC (15% of Fmax)	No		Yes, reporting to the NRA (no frequency)	No	No	



		Procedural aspects of derogation						Content of derogation request						
Cou try	n TSC	Os I	Relevant CCA	Respective bidding zone borders or CNECs		Formal disagreement to the derogation request	NRA approval	Duration of derogation	Includes minimum level of MACZT	Changes in the minimum level of MACZT increased since the previous year?	Minimum level specified	Monitoring achievement of the target (including frequency of reporting)	timeline for	Alignment and harmonisation in CCR
IΤ	TEF	RNA I			The presence of allocation constraints related to voltage and stability constraints for the Italian system The export capacity is not currently computed through a proper coordinated capacity calculation process	None	Approved by ARERA. Date of decision: 20/12/2022	1 year (2023)	No	No	NA	Yes, daily (on a centralized web- platform) and on a half yearly basis to the NRA	For the tools needed for the capacity calculation process in the export direction: end of October 2023	No
NL	Ter NL	nneT	Core	TenneT's CNECs in Core	Loop flows Methodologies of DA capacity calculation, SOGL 76, CACM 35 and CACM 74 not yet (fully) implemented, leading to uncertain levels of remedial actions	None	Approved by ACM. Date of decision: 22/12/2022	1 year (2023)	Yes, methodology	Same methodology	MACZTmin = MACZTtarget - max(0; LFcalculated - LFacceptable) LFacceptable is 30%-FRM for cross-zonal CNECs and 0.5*(30%-FRM) for internal CNECs, only Core exchanges considered Minimum 20% of Fmax in Core MACZTtarget are action plan levels per CNEC	Reporting deviations from the formulas used to calculate loop flows, frequency not specified	ICACM35 CACM	Partially with AT, BE and PL
PL	PSE	Е (Core	PSE's CNECs in Core	Loop flows	None	Approved by URE. Date of decision: 09/12/2022	1 year (2023)	Yes, methodology		MACZTmin is 70% or Action Plan levels per CNEC LFacceptable is (100%- MACZTmin)*Fmax -FRM for cross- zonal CNECs and 10% of ((100%- MACZTmin)*Fmax -FRM) for internal CNECs	Yes, reporting to the NRA (no frequency)	High-level timeline for DA CCM, DA CCM coordainted validation, Core SOGL76 and CACM35, CACM	

				Procedural asp	ects of derogation	on		Content of derogation request						
Cour try	TSOs	Relevant CCA	Respective bidding zone borders or CNECs	Reasons for derogation	Formal disagreement to the derogation request	NRA approval	Duration of derogation	Includes minimum level of MACZT	Changes in the minimum level of MACZT increased since the previous year?	Minimum level specified	Monitoring achievement of the target (including frequency of reporting)	Includes a timeline for the projects	Alignment and harmonisation in CCR	
PT	REN	SWE	ES-PT	Lack of operational experience in applying the necessary remedial actions Migration of the capacity calculation tool	None	Approved by ERSE. Date of decision: 28/12/2022	1 year (2023)	Yes	Yes, increase	70% capacity for 82.5% of the hours	Yes, reporting to the NRA (no frequency)	Description of the projects for 2023	No	
RO	Transel ectrica	Core	RO-НU	Lack of the regional coordinated processes for capacity calculation and security analysis Lack of the redispatching and countertrading processes implemented at regional level pursuant to Article 35 and 74 of Regulation (EU) 2015/1222 Lack of the consideration of the non-EU countries power flows in capacity calculation Lack of the coordination between capacity calculation regions with impact on the power flows through critical network elements Margin for uncoordinated transits (unreliable forecast)	None	Approved by ANRE. Date of decision: 28/12/2022	1 year (2023)	Yes	Same as previous year	In 2023, Transelectrica SA shall maintain the minimum target capacity available for cross-zonal trade established by the national Action Plan for 2021 on Romania – Hungary border: 800 MW representing 33% from the transmission capacity.	Yes, reporting to the NRA (quarterly and yearly, according to the Action Plan)	No	No	
SK	SEPS	Core		Operational security violations (N-1) FRM reduction leading to reduced resilience against unforeseen operational issues Excessive loop and transit flows	None	Approved by URSO. Date of decision: 22/12/2022	1 year (2023)	Yes	Yes, increase	50% capacity for 80% of the hours	No	Yes	No	

Derogation requests for 2024: Overview and main characteristics

					Procedural asp	Procedural aspects of derogation					Content of derogation request							
Co	un '	6Os	Relevant CCA	Respective bidding zone borders or CNECs	Reasons for derogation	Formal disagreement to the derogation request	NRA approval	Duration of derogation	of MACZT	Changes in the minimum level of MACZT increased since the previous year?	Minimum level specified	Monitoring achievement of the target (including frequency of reporting)	the projects	Alignment and harmonisati on in CCR				
A	· AI	PG	Core	APG's CNECs in Core	Systemic issues • Usage of CNEC capacity > threshold by loop flows and PST flows (lack of cross-CCR coordination) • Margin for uncoordinated transits (unreliable forecasts) • Absence of consideration of 3rd country flows in the capacity calculation	None	Approved by E- Control. Date of decision: 15/12/2023	1 year (2024)	Yes, methodology	Same methodology	MACZTmin = MACZTtarget - max(0; LFcalculated - LFacceptable) LFacceptable is 100%-FRM - MACZTmin before LF, for cross-zonal CNECs, and 10% of (100%-FRM - MACZTmin before LF) for internal CNECs, all exchanges considered Minimum 20% of Fmax in Core MNCC is equal to MNCC _{CGM} + MNCC _{margin} , where MNCC _{margin} accounts for forecast uncertainties	Yes, daily through the JAO Publication Tool	No	Partially with BE, NL and PL				
В	: EI	ia	Core	Elia's CNECs in Core	Excessive loop flows	None	Approved by CREG. Date of decision: 07/12/2023	1 year (2024)	Yes, methodology		MACZTmin = 70% - max(0; LFcalculated - LFcacceptable) LFacceptable is 30% - FRM for cross-zonal CNECs and 0.5*(30% - FRM) for internal CNECs, all exchanges considered Minimum 20% of Fmax in Core	Yes, daily through the JAO Publication Tool	High-level timeline for DA CCM coordinated validation, Core SOGL76 and CACM35, Core CACM 74	Partially with AT, NL and PL				
GI		DMIE PTO)	SEE	BG-GR	Absence of consideration of flows of 3rd countries in the capacity calculation and the margin available for cross-zonal trade Insufficient potential for remedial actions to guarantee the 70% capacity criterion Insufficient IT-tools for capacity calculation process embedding the 70% threshold (in line with the regulation 2019/943)	None	Not yet approved.	1 year (2024)	Yes	Yes, increase	60% (including third country flows)	No	No	No				

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Derogation requests for 2024: Overview and main characteristics

					Procedural aspects of derogation				Content of derogation request						
Cr	oun Y	SOs	Relevant CCA	Respective bidding zone borders or CNECs	Reasons for derogation	Formal disagreement to the derogation request		Duration of derogation	Includes minimum level of MACZT	Changes in the minimum level of MACZT increased since the previous year?	Minimum level specified	Monitoring achievement of the target (including frequency of reporting)	Includes a timeline for the projects	Alignment and harmonisati on in CCR	
IT	Т	ERNA	Italy North	Italy North CCR	The presence of allocation constraints related to voltage and stability constraints for the Italian system in import direction. The capacity in export direction is not yet computed through a coordinated capacity calculation process	None	Approved by ARERA. Date of decision: 12/12/2023	1 year (2024)	No	No	NA	Yes, information published daily and reported on a yearly basis to the NRA	Implementation of the capacity calculation process in the export direction planned for Q1 2024, to be triggered only under certain conditions. In the long-term, a joint flow-based capacity calculation methodology for the day-ahead timeframe will be developed for the Central Europe CCR.	No	
N		enneT L	Core	TenneT's CNECs in Core	Loop flows	None	Approved by ACM. Date of decision: 14/11/2023	1 year (2024)	Yes, methodology	Same methodology	MACZTmin = MACZTtarget - max(0; LFcalculated - LFacceptable) LFacceptable is 30%-FRM for cross-zonal CNECs and 0.5*(30%-FRM) for internal CNECs, only Core exchanges considered Minimum 20% of Fmax in Core MACZTtarget are action plan levels per CNEC	deviations from the formulas used to calculate loop flows,	High-level timeline for DA CCM coordinated validation, Core SOGL76 and CACM35, Core CACM 74	Partially with AT, BE and PL	
PI	. P	SE	Core	PSE's CNECs in Core	Loop flows	None	Approved by URE. Date of decision: 21/12/2023	1 year (2024)	Yes, methodology	Same methodology	MACZTmin is 70% or Action Plan levels per CNEC LFacceptable is (100%-MACZTmin)*Fmax -FRM for cross-zonal CNECs and 10% of ((100%-MACZTmin)*Fmax-FRM) for internal CNECs	Yes, daily through the JAO Publication Tool	High-level timeline for DA CCM coordinated validation, Core SOGL76 and CACM35, Core CACM 74	Partially with AT, BE and NL	
P.	- R	EN	SWE	ES-PT	On-going definition, development and implementation of new tools enabling the fulfilment of Article 16(8) while ensuring operational security	None	Approved by ERSE. Date of decision: 14/12/2023	1 year (2024)	Yes	Yes, increase	70% capacity for 85.0% of the hours	Yes, reporting to the NRA (no frequency)	High level description of the implementation projects for 2024	No	

Derogation requests for 2024: Overview and main characteristics

					Procedural aspects of derogation					Content of derogation request							
C:	un '	SOs	Relevant CCA	Respective bidding zone borders or CNECs	Reasons for derogation	Formal disagreement to the derogation request	NRA approval	Duration of	Includes minimum level of MACZT	Changes in the minimum level of MACZT increased since the previous year?	Minimum level specified	Monitoring achievement of the target (including frequency of reporting)	Includes a timeline for the projects	Alignment and harmonisati on in CCR			
R) ['ransele trica	Core, SEE	Transelectrica's CNECs in Core, RO- BG in SEE CCR	Lack of the regional coordinated processes for capacity calculation, capacity validation and security analysis (redispatching and countertrading processes) Lack of the consideration of the non-EU countries power flows in capacity calculation Lack of the coordination between capacity calculation regions Margin for uncoordinated transits (unreliable forecast)	None	Approved by ANRE. Date of decision: 20/12/2023	1 year (2024)	Yes	No, same as previous year	33% for RO-HU, 43% for RO-BG		High-level timeline for DA CCM coordinated validation, Core SOGL76 and CACM35, Core CACM 74 + Grid investment projects	No			
Si	s	EPS	Core	Following CNEs with relevant contingencies: • V477 Lemešany – Krosno-Iskrzynia (PL) • V478 Lemešany – Krosno-Iskrzynia (PL) • V490 Veľký Ďur – Levice • V491 Veľký Ďur – Levice	criterion was not respected.	None	Approved by URSO. Date of decision: 14/12/2023	1 year (2024)	Yes	Yes, increase	V477 Lemešany – Krosno-Iskrzynia (PL): 60 % MACZT during minimum 80 % of MTUs. V478 Lemešany – Krosno-Iskrzynia (PL): 60 % MACZT during minimum 80 % of MTUs. V490 Veľký Ďur – Levice: 50 % MACZT during minimum 80 % of MTUs. V491 Veľký Ďur – Levice: 50 % MACZT during minimum 80 % of MTUs.	Yes, daily through the JAO Publication Tool	Yes, both grid developments and operational processes.	No			