

ENTSO-E

Annual Work Programme

2025 Edition – Draft list of deliverables for Pre-Consultation



ENTSO-E Mission Statement

Who we are

ENTSO-E, the European Network of Transmission System Operators for Electricity, is the **association for the cooperation of the European transmission system operators (TSOs)**. The [40 member TSOs](#), representing 36 countries, are responsible for the **secure and coordinated operation** of Europe's electricity system, the largest interconnected electrical grid in the world. In addition to its core, historical role in technical cooperation, ENTSO-E is also the common voice of TSOs.

ENTSO-E **brings together the unique expertise of TSOs for the benefit of European citizens** by keeping the lights on, enabling the energy transition, and promoting the completion and optimal functioning of the internal electricity market, including via the fulfilment of the mandates given to ENTSO-E based on EU legislation.

Our mission

ENTSO-E and its members, as the European TSO community, fulfil a common mission: Ensuring the **security of the interconnected power system in all time frames at pan-European level** and the **optimal functioning and development of the European interconnected electricity markets**, while enabling the integration of electricity generated from renewable energy sources and of emerging technologies.

Our vision

ENTSO-E plays a central role in enabling Europe to become the first **climate-neutral continent by 2050** by creating a system that is secure, sustainable and affordable, and that integrates the expected amount of renewable energy, thereby offering an essential contribution to the European Green Deal. This endeavour requires **sector integration** and close cooperation among all actors.

Europe is moving towards a sustainable, digitalised, integrated and electrified energy system with a combination of centralised and distributed resources.

ENTSO-E acts to ensure that this energy system **keeps consumers at its centre** and is operated and developed with **climate objectives** and **social welfare** in mind.

ENTSO-E is committed to using its unique expertise and system-wide view – supported by a responsibility to maintain the system's security – to deliver a comprehensive roadmap of how a climate-neutral Europe looks.

Our values

ENTSO-E acts in **solidarity** as a community of TSOs united by a shared **responsibility**.

As the professional association of independent and neutral regulated entities acting under a clear legal mandate, ENTSO-E serves the interests of society by **optimising social welfare** in its dimensions of safety, economy, environment and performance.

ENTSO-E is committed to working with the highest technical rigour as well as developing sustainable and **innovative responses to prepare for the future** and overcoming the challenges of keeping the power system secure in a climate-neutral Europe. In all its activities, ENTSO-E acts with **transparency** and in a trustworthy dialogue with legislative and regulatory decision makers and stakeholders.

Our contributions

ENTSO-E supports the cooperation among its members at European and regional levels. Over the past decades, TSOs have undertaken initiatives to increase their cooperation in network planning, operation and market integration, thereby successfully contributing to meeting EU climate and energy targets.

To carry out its [legally mandated tasks](#), ENTSO-E's key responsibilities include the following:

- › Development and implementation of standards, Network Codes, platforms and tools to ensure secure system and market operation as well as integration of renewable energy;
- › Assessment of the adequacy of the system in different timeframes;
- › Coordination of the planning and development of infrastructures at the European level ([Ten-Year Network Development Plans, TYNDPs](#));
- › Coordination of research, development and innovation activities of TSOs;
- › Development of platforms to enable the transparent sharing of data with market participants.

ENTSO-E supports its members in the **implementation and monitoring** of the agreed common rules.

ENTSO-E is the common voice of European TSOs and provides expert contributions and a constructive view to energy debates to support policymakers in making informed decisions.

Draft list of deliverables for Pre-Consultation

The Annual Work Programme list of deliverables 2025

- › covers the period from January to December 2025. It focuses on the legally mandated tasks given to TSOs and ENTSO-E directly by EU Regulations, Directives and Network Codes and Guidelines as well as the related terms and conditions or methodologies;
- › In line with ENTSO-E's commitment to transparency and engaging with its stakeholders, and last year's 2-step approach regarding the Public Consultation, it was decided that ENTSO-E will publicly pre-consult the list of deliverables with its stakeholders.
- › The Secretariat is closely following the regulatory developments related to the electricity market design reform and other relevant developments and will update the list of deliverables accordingly, if needed.

Your comments are valuable to our Association in order to improve the draft list of deliverables presented to you in this Public Pre-Consultation. The received comments will be addressed and the Annual Work Programme team will provide feedback to those who provided comments. The Public Consultation on the Draft Annual Work Programme will run as usual in the summer.

List of deliverables

Topic	Regulation	Article	Level 1 Article content/activity	J	F	M	A	M	J	J	A	S	O	N	D
MARKETS															
Annual Work Programme	Reg. 2019/943	A. 30.1j	Adopt an Annual Work Programme								W				
BZ	Reg. 2019/943	A. 14 (6)	Bidding Zone Review	The exact timeline of work is to be provided											
BZ	Reg. 2019/943	A. 14 (2)	Bidding Zone technical report	The exact timeline of work is to be provided											
CACM	Reg. 2015/1222	A. 10	Day-to-day management of the single day-ahead and intraday coupling												
CACM	Reg. 2019/943	A. 8.4	Implementation of 15 minutes products in ID and DA	The exact timeline of work is to be provided											
CACM	Reg. 2015/1222	A. 55	Implementation of Intraday Capacity Pricing	The exact timeline of work is to be provided											
CACM	Reg. 2019/943	A. 15	CCR determination – possible relevant amendments												
CACM	Reg. 2015/1222	A. 49 & A. 56	Review of the Scheduled Exchanges methodologies	The exact timeline of work is to be provided											
CACM	Reg. 2019/943	A. 44	Review of the regional fallback procedures												
CACM	Reg. 2015/1222 ACER decision No 04/2021	A. 15	CCR determination – future assessment of Hansa, Nordic and Core	The exact timeline of work is to be provided											
CACM	Reg. 2015/1222	A. 15	CCR determination – Celtic cable/ Core – IT North												
CACM	Reg. 2015/1222	A. 37.6	NEMOs review of the algorithm methodology in cooperation with TSOs												
CACM	Reg. 2015/1222	A. 73	Assessment of the CID methodology												
Capacity Mechanisms	Reg. 2019/943	A. 26 (11)	Annual Report on Cross-Border Participation to Capacity Mechanisms												
Congestion Revenues	Reg. 2019/943	A. 19	Prepare Annual Congestion Revenues Overview Report 2024												
EB	Reg. 2017/2195	A. 20.6	Implementation of mFRR Platform												
EB	Reg. 2017/2195	A. 21.6	Implementation of aFRR-Platform												
EB	Reg. 2017/2195	A. 21	Proposal for amendment of the implementation framework of aFRR-Platform.												
EB	Reg. 2017/2195	A. 30 (1)	Proposal for amendments of the Methodology for pricing balancing energy and cross-zonal capacity used for the exchange of balancing energy or operating the IN process												
EB	CEP	37.1.k	RCC Procurement Proposal – Definition of Parameters to be applied to Assessment of available non-contracted platform bids									W			
EB	Reg. 2017/2195	38 (3)	TSO implementation tasks pursuant to CZCA Harmonised Methodology												
FCA	Reg. 2016/1719	A. 51	Harmonised Allocation Rules (FCA Article 51)												
FCA	Reg. 2016/1719	A49, A57 and A61	Implementation of Long Term Flow based in accordance with Art. 49, Art. 57 and Art. 61	The exact timeline of work is to be provided											
ITC	Reg. 2018/838	Annex A A. 7.3	Collection of annual data, audit and publication of the perimeter fee												
ITC	Reg. 2018/838	Annex A A. 4.3	Transit Losses Data Report												
ITC	Reg. 2018/838		Promote structural improvements to the ITC Mechanism												
Monitoring CACM	Reg. 1222/2015	A. 80.2	Annual CACM cost report	The exact timeline of work is to be provided											
Monitoring CACM	Reg. 1222/2015	A. 82.2	Monitor the implementation of single day-ahead and intraday coupling including progress and potential problems with the implementation												
Monitoring CACM	Reg. 1222/2015	A. 82.4 & A. 82.5	Collect data from TSOs/CCRs based on the list of information agreed between ACER and ENTSO-E. Data is to be submitted following the go live of the methodologies in each CCR and on a six month basis following that. The data will be made available to ACER in order to complete its monitoring activities.												
Monitoring CACM	Reg. 1222/2015	A.31.2	Capacity Calculation and allocation report												

- TSO process for developing methodology
- TSO deadline for submitting proposal
- Public Consultation
- Workshop (during public consultation)
- Implementation Phase of a methodology
- Implementation Deadline
- ACER Decision preparation
- ACER Decision publication
- NRA Approval process
- NRA Approval

Topic	Regulation	Article	Level 1 Article content/activity	J	F	M	A	M	J	J	A	S	O	N	D
Monitoring EB	Reg. 2017/2195	A. 23.1	Report on costs of establishing, amending and operating European balancing platforms												
Monitoring EB	Reg. 2017/2195	A. 63.1	Monitoring of the implementation of the EB												
Monitoring FCA	Reg. 2016/1719	A. 63.1	Monitor the implementation of forward capacity allocation and the establishment of single allocation platform including the progress and potential problems with the implementation												
Monitoring FCA	Reg. 2016/1719	A. 63.3 & A. 63.4	Collect data from TSOs/CCRs based on the list of information agreed between ACER and ENTSO-E. Data is to be submitted following the go live of the methodologies in each CCR and on a six month basis following that. The data will be made available to ACER in order to complete its monitoring activities.												
Monitoring FCA	Reg. 2016/1719	A. 26.2	Capacity Calculation and allocation report												
Tariff	Reg. 2019/943	A. 18	Publish Transmission Tariff Overview Report 2024												
TEN-E	Reg. 2022/869		Preparatory work towards application of the cost-benefit and cost-sharing to the priority offshore grid corridors	The exact timeline of work is to be provided											
TP	Reg. 2013/543		Continuation of TP back-end architecture and front-end implementation												
TP	Reg. 2013/543		TP Vision 2030 Data Quality improvement project												
TP	Reg. 2013/543		TP Vision 2030 User Engagement project												
TP	Reg. 2013/543		TP app development												
	EU Grid Action Plan	Action 8	Promote sound and fair regulatory treatment of TSO costs that promote cost efficiency, performance, and innovation												
	EU Grid Action Plan	Action 4	Propose solutions on the treatment of anticipatory investments												
SYSTEM OPERATION															
NC DR	Reg. 2019/943	Article 59.1 e (NC DSR)	Rules implementing Article 57 of this Regulation and Articles 17, 31, 32, 36, 40 and 54 of Directive (EU) 2019/944 in relation to demand response, including rules on aggregation, energy storage, and demand curtailment rules												
RCC	Reg. 2019/943	A. 30 (2)	Report to ACER on shortcomings identified regarding the establishment and performance of regional coordination centres.												
RCC	Reg. 2019/943 Reg. 2017/2196	A. 37.1.d A. 6 (3)(4)	ENTSO-E shall develop proposals for RCC tasks – Consistency defense and restoration plans												
RCC	Reg. 2019/943	A. 37.1.e	ENTSO-E shall develop proposals for RCC tasks – Short term adequacy												
RCC	Reg. 2019/943	A. 37.1.f	ENTSO-E shall develop proposals for RCC tasks – Outage Planning Coordination												
RCC	Reg. 2019/943	A. 41 (2)	ENTSO-E and RCCs shall operate transparently and publish documents on websites, full transparency towards stakeholders												
RCC	Reg. 2019/943	A. 37.1.o	Implementation for the MEC task												
RCC	Reg. 2019/943	A. 46 (3)	ENTSO-E to receive from RCCs the RCC Annual Report												
RCC	Reg. 2019/943	A. 37.1.h	ENTSO-E shall develop proposals for RCC tasks – supporting regional restoration	The exact timeline of work is to be provided											
RGCE Operations	Reg. 2017/1485	A. 156	RG CE: Implementation Art.156 SO GL – TminLER for FCR (frequency containment reserves) by LER (low energy reservoirs)												
RPP	Reg. 2019/941	A. 6	RPP crisis scenarios identification (update every 4 years)	The exact timeline of work is to be provided											
RPP	Reg. 2019/941	A. 6	Review of simulation / evaluation methods based on experience in 2024, with a revision of the methodology 2027.												
SOGL	Reg. 2017/1485	A. 114	Operate an ENTSOE operational planning data environment (OPDE) for the storage, exchange and management of all relevant information for the CGM Business Process.												
SOGL	Reg. 2017/1485	A. 65	Common list of year-ahead scenarios against which TSOs assess the operation of the interconnected transmission system for the following year												

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SOGL	Reg. 2017/1485	A. 14.2	Comprehensive, standardised format, digital data archive of the information required by ACER												
SOGL	Reg. 2017/1485	A. 15	Annual incident classification scale report												
SOGL	Reg. 2017/1485	A. 16	Annual report on load-frequency control												
SOGL	Reg. 2017/1485	A. 17	Annual report on regional coordination assessment												
SOGL Regional	Reg. 2017/1485 Reg. 2017/2196	SOGL A. 13/A. 118 E&R A.10	Agreements for Future Synchronous Operation between Continental Europe TSOs and Moldelectrica												
SOGL Regional	Reg. 2017/1485 Reg. 2017/2196	SOGL A. 13/A. 118 E&R A.10	Agreement for Synchronous Operation between Continental Europe TSOs and KOSTT												
SOGL Regional	Reg. 2017/1485 Reg. 2017/2195 Reg. 2017/2196	SOGL A. 13/A. 118 EBGL A. 50, A. 51 E&R A.10	RG CE: Implementation of SAFA methodologies (including FSKar)												
SOGL Regional	Reg. 2017/1485	SOGL A. 118	CFI agreements of BS TSOs before synchronization and adherence to SAFA after their synchronization with SA CE												
SOGL/CSAM	Reg. 2017/1485	A. 75.1/ A.44.1	Report on status on probabilistic risk management approaches and maturity												
RESEARCH, DEVELOPMENT & INNOVATION															
EMDR	provisional agreement in Dec '23, should enter into force in Q2 2024		Methodology to assess flexibility needs (ENTSO-e and EU DSO)												
RDI			IntNET project work												
RDI	Reg. 2019/943	A. 30.1/i.	RDI Roadmap-cycle (Roadmap, Implementation Plan, Monitoring Report)												
RDI	Reg. 2019/943	A. 30.1/i.	Initiation of projects based on the ongoing programmes												
RDI	Reg. 2019/943	A. 30.1/i.	Development of new programmes												
RDI			Digitalisation of Energy Action Plan (DoESAP)												
RDI	EU Action Plan for Grids – Action 7		Technopedia yearly update												
RDI			TwinEU												
RDI			OneNet project work	The exact timeline of work is to be provided											
RDI			BD4NRG project work	The exact timeline of work is to be provided											
RDI			Strategic Roadmap Implementation (Former Vision Implementation)												

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SYSTEM DEVELOPMENT															
Adequacy	Reg. 2019/943	A. 23	ERAA (European Resource Adequacy Assessment)												w
Adequacy	Reg. 2019/943	A. 30.1 m	Summer Outlook						w						
Adequacy	Reg. 2019/943	A. 30.1 m	Winter Outlook												w
DC	Reg. 2016/1388	A. 56	Non-binding guidance on implementation of DC NC, explaining technical issues, conditions and interdependencies												
HVDC	Reg. 2016/1447	A. 75	Non-binding guidance on implementation of HVDC NC, explaining technical issues, conditions and interdependencies												
HVDC	Reg. 2016/1447	A. 76.2	NC HVDC List of information to ACER												
RfG	Reg. 2016/631	A. 58	Non-binding guidance on implementation of RfG NC, explaining technical issues, conditions and interdependencies												
RfG	Reg. 2016/631	A. 59.2	RfG List of information to ACER												
RfG, DC, HVDC	Reg. 2016/631, 2016/1388, 2016/1447	A. 59.1, A. 57.1, A. 76.1	Monitoring (analysis and preparation of report) – joint CNCs report												
RfG, DC, HVDC	Reg. 2016/631, 2016/1388, 2016/1447	A. 7.3.f & preamble 27, A. 6.3.f & preamble 17, A. 5.3.f & preamble 13	Monitoring of existing and under development standards												
TYNDP	TEN-E	A. 11	CBA methodology	The exact timeline of work is to be provided											
TYNDP	TEN-E	A. 12	TYNDP scenarios												
TYNDP	TEN-E	A. 13	TYNDP gap analysis/ system needs												
TYNDP	TEN-E	Annex III, 2, 1	TYNDP CBA												
TYNDP	TEN-E	A.15.2	Offshore Network Development Plans												
TYNDP	TEN-E	A. 11, para 10 & 11	Interlinked model												
TYNDP	TEN-E	A. 15	Application of the cost-benefit and cost-sharing to the priority offshore grid corridors												
	EU Grid Action Plan	Action 6	Harmonised definitions of available grid hosting capacities and pan-EU overview												
	EU Grid Action Plan	Action 13	Develop common technology specifications and improve visibility of grid projects pipelines	The exact timeline of work is to be provided											
ICTC															
Cybersecurity	NCCS	A. 12 (5)	Support ACER to issue non-binding performance indicators for the assessment of operational reliability that are related to cybersecurity aspects of cross-border electricity flows.												
Cybersecurity	NCCS	A. 8 a / A. 17 (1)	develop proposals for the cybersecurity risk assessment methodologies												
Cybersecurity	NCCS	A. 34 & A. 35	develop sets of cybersecurity procurement recommendations												
Cybersecurity	NCCS	A. 19 (1)	Perform union-wide cybersecurity risk assessment	The exact timeline of work is to be provided											
Cybersecurity	NCCS	A. 33 (5)	Provide analysis of entity aggregation to NCCS-NCAs	The exact timeline of work is to be provided											
Cybersecurity	NCCS	A. 47 (6)	Make available template to perform cybersecurity exercise (Entity/National)												
Cybersecurity	NCCS	A. 47 (6)	Make available template to perform cybersecurity exercise (Regional/Cross-Regional)	The exact timeline of work is to be provided											
Cybersecurity	NCCS	A. 40 (7)	perform feasibility study to develop common tool												
Cybersecurity	NCCS	A. 8e & A. 40 (6)	develop a cybersecurity incidents classification scale methodology												
Interoperability	Reg. 2019/944	A. 23 & A. 24	Draft Implementing acts on data access and data interoperability	The exact timeline of work is to be provided											
Interoperability	Reg. 2019/944	A. 23 & A. 24	Mandate from the implementing act on interoperability requirements (JWG with EU DSO)												

TSO process for developing methodology	TSO deadline for submitting proposal	Public Consultation	Workshop (during public consultation)
Implementation Phase of a methodology	Implementation Deadline	ACER Decision preparation	ACER Decision publication
NRA Approval process	NRA Approval		

List of Abbreviations

A.	Article	EB GL	Regulation (EU) 2017/2195 establishing a guideline on electricity balancing
ACER	Agency for the Cooperation of Energy Regulators	ECCo SP	ENTSO-E's Communication and Connectivity Service Platform
AFIR	Alternative Fuel Infrastructure Regulation	EDI	Electronic Data Interchange
aFRR	automatic Frequency Restoration Reserves	EED	Energy Efficiency Directive
AWP	Annual Work Programme	EG	Expert Group
BZ	Bidding zone	EMS	Energy Management Systems
BZR	Bidding Zone Review	EnC	Energy Community
CACM	Capacity allocation and congestion management	ENTSO-E	European Network of Transmission System Operators
CBA	Cost Benefit Analysis	ENTSOG	European Network of Transmission System Operators for Gas
CC	Capacity Calculation	ERAA	European resource adequacy assessment
CCC	Coordinated Capacity Calculation	ETIP SNET	European Technology & Innovation Platforms on Smart Networks for Energy Transition Platform
CCR	Capacity Calculation Region	EU	European Union
CfD	Contracts for Difference	FCA Regulation	Regulation (EU) 2016/1719 establishing a guideline on forward capacity allocation
CGM	Common Grid Model	FSKar	Financial Settlement of KΔf, ACE and ramping period
CGMES	Common Grid Model Exchange Standard	GUI	Graphical User Interface
CID	Congestion Income Distribution	HVDC	Regulation (EU) 2016/1447 establishing a network code on requirements for the grid connection of high voltage direct current systems and direct current-connected power park modules
CIM	Common Information Model	IEM Directive	Directive (EU) 2019/944 on the internal market for electricity
CM	Capacity Mechanism	IEM Regulation	Regulation (EU) 2019/943 on the internal market for electricity
CMM	Capacity Management module	IGD	Implementation Guidance Document
CNC	Connection Network Code		
CSA	Coordinated Security Analysis		
CSAM	Coordinated Security Analysis Methodology		
CZC	Cross-zonal capacity		
DSF	Demand Side Flexibility		
DSO	Distribution System Operator		
EAS	European Awareness System		

IGM	Individual Grid Model	RfG	Regulation (EU) 2016/631 establishing a network code on requirements for grid connection of generators
IFs	Implementation Frameworks		
IGDs	Implementation Guidance Documents	RG CE	Regional Group Continental Europe
IN	Imbalance netting	Risk Preparedness Regulation	Regulation (EU) 2019/941 on risk-preparedness in the electricity sector
ITC	Inter Transmission System Operator Compensation	RPP	Risk Preparedness Plan
KPI	Key Performance Indicator	RSC	Regional Security Coordinator
LMP	Local Marginal Pricing	SAFA	Synchronous Area Framework Agreement
mFRR	manual Frequency Restoration Reserves	SAP	Single Allocation Platform
MoP	Manual of Procedures	SCADA	Supervisory Control and Data Acquisition
MoU	Memorandum of Understanding	SET	Strategic Energy Technology
NC DSR	Network Code on Demand Side Response	SOGL	Regulation (EU) 2017/1485 establishing a guideline on electricity transmission system operation
NC ER	Regulation (EU) 2017/2196 establishing a network code on electricity emergency and restoration	SOR	System Operation Region
NCCS	Network Code on Cybersecurity	STA	Short-term Adequacy
NEMO	Nominated Electricity Market Operators	StG ReC	Steering Group Regional Coordination
NRA	National Regulatory Authority	TEN-E Regulation	Regulation (EU) 2022/869 on guidelines for trans-European energy infrastructure
NTC	Net Transfer capacities	TP	Transparency Platform
OPC	Outage Planning Coordination	Transparency Regulation	Regulation (EU) No 543/2013 on the submission and publication of data in electricity markets
OPDE	Operational Planning Data Environment	TSOs	Transmission System Operators
PCN	Physical Communication Network	TYNDP	Ten-Year Network Development Plan
PPAs	Power Purchase Agreements	WAMS	Wide Area Metering System
RCC	Regional Coordination Centre		
RDI	Research, Development and Innovation		
RED III	Renewable Energy Sources Directive		

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