

WORKSHOP

on electricity storage

Thursday, 11.05.2023

09:30 - 14:15 (CET)

Ljubljana and online



DRAFT AGENDA		
09.15 – 09.30	Workshop open for log-in	Starts promptly at 09.30
09.30 – 09.35	Process on the grid connection network codes amendment ACER	
09.35 – 09.55	Electricity storage ACER	
09.55 – 11.05	EU associations' presentations: <ul style="list-style-type: none"> - ENTSO-E - EU-DSO Entity 	
11.05 – 11.15	Coffee break	
11.15 – 12.00	EU associations' presentations: <ul style="list-style-type: none"> - Smarten - EASE 	
13.00 – 13.45	Lunch break	
12.45 – 14.10	Q&A and discussion on the topics presented Via MS Teams and in person	
14.10 - 14.15	Closing Remarks ACER	



Post your questions and comments in the chat box, optionally indicating your affiliation



Keep your microphone muted unless the chair gives you the floor

Substance-related questions will be moved to the Q&A session; minor queries will be tackled in the chat



Slides from this workshop are uploaded to ACER website

Questions and comments will be addressed in the Q&A session at the end of the workshop



Workshop materials uploaded to ACER website:

- ACER workshop guide (slide deck)
- NC RfG draft amendments relevant to this workshop (PDF file)*
- Presentations of the interested European associations (PDF files)

* Draft amendments include some changes linked to other policy areas; these changes will be discussed during the dedicated workshops

DISCLAIMER: The information set out in this slide deck and accompanying documents constitute preliminary views at the working level. The information contained in all public workshop documents are intended solely for the purpose of the discussion and are without prejudice to further communications.

ACER

Public Workshop

10

May – hybrid workshop in Ljubljana

ACER

Indicative proposals for GC NCs amendments concerning technical requirements for electricity storage

10

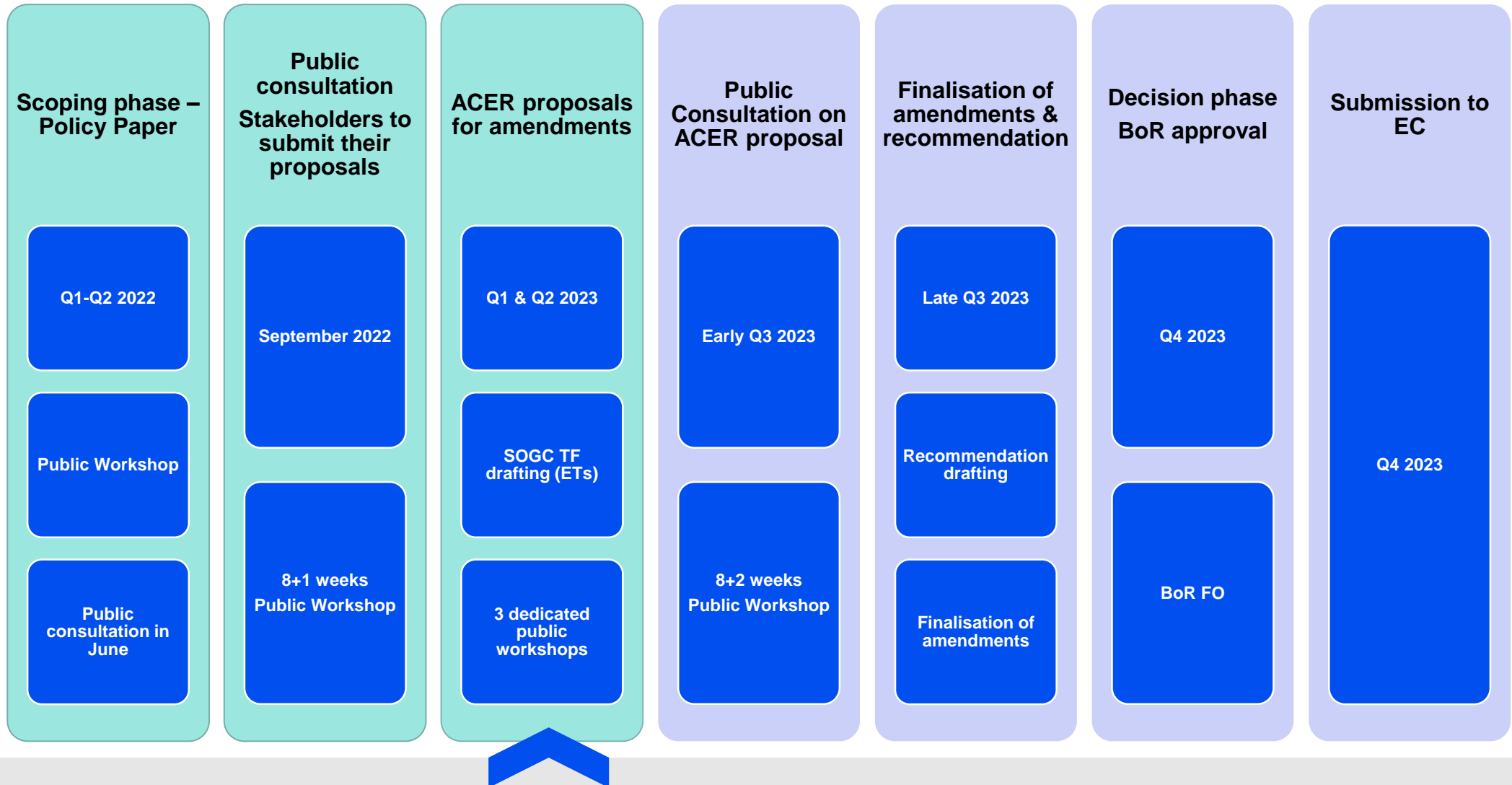
minute-long stakeholders presentations

2

weeks following the workshop for the stakeholders to provide additional input and/or discuss with ACER drafting Project Group: ACER-ELE-2022-015@acer.europa.eu

Process on the grid connection network codes amendment

ACER



28.3.2023

Registration is open for ACER's 3 workshops related to the electricity grid connection network codes

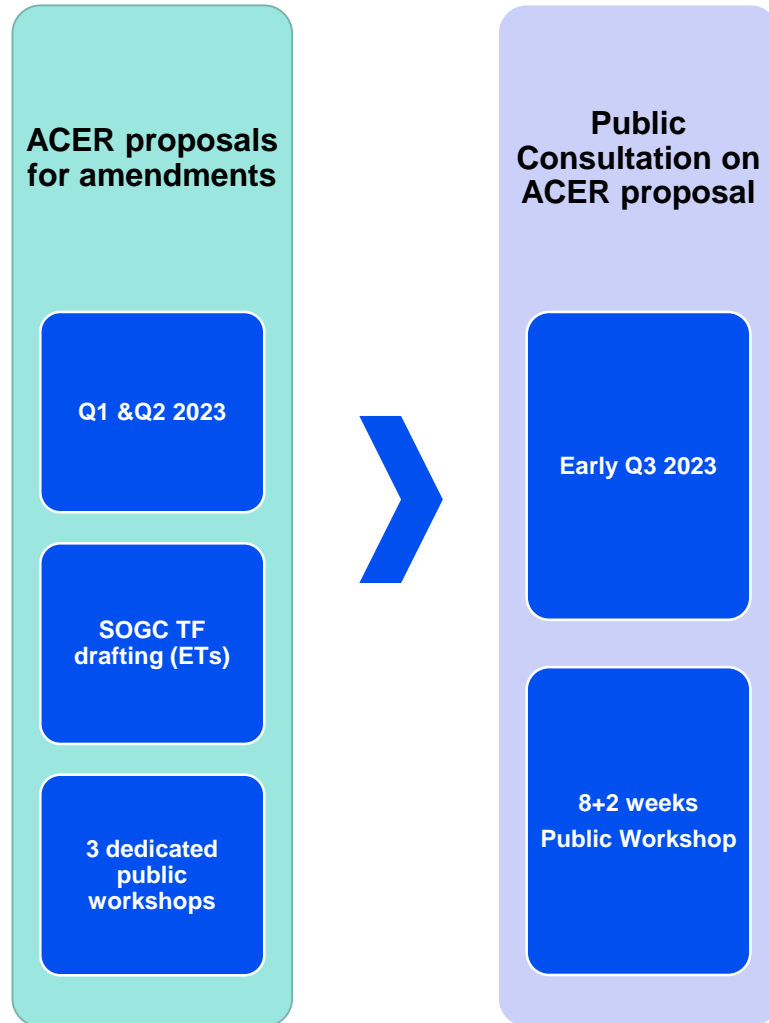


- **17 April 2023** – electromobility, power-to-gas demand units and heat-pumps
- **10 May 2023** – rate of change of frequency (RoCoF) and grid forming capabilities

Register to public workshops:

<https://acer.europa.eu/news-and-events/news/registration-open-acers-3-workshops-related-electricity-grid-connection-network-codes>

Public consultation on ACER draft proposal



- **10-week** long public consultation
- Planned for early Q3 2023
- Stakeholders to comment on ACER draft amendment proposals
- In the course of public consultation, ACER will organise **public workshop** to present key proposals

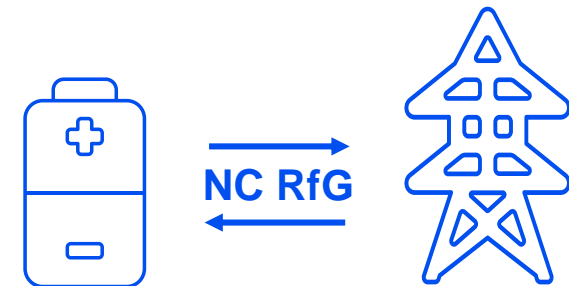


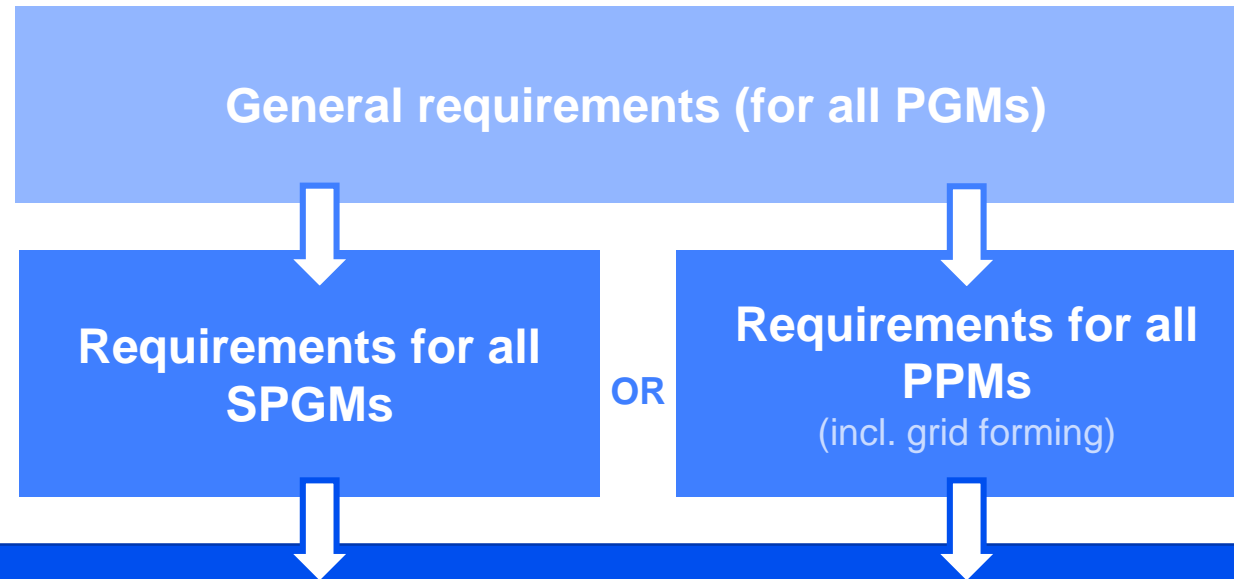
ACER preliminary views on technical requirements for electricity storage

Legal definition

Electricity Storage Module (ESM) means a synchronous power-generating module or a power park module which can inject and consume active power to and from the network for electricity storage, excluding pump-storage hydro

- ESM connecting to the network is subject to technical requirements laid down in NC RfG
- Bidirectional EVs and associated supply equipment beyond 1MW follow ESM requirements
- Considering their advanced, underlying technology, ESM should provide more capabilities than traditional PGMs
- ESM should support the system both when injecting and consuming active power





Additional requirements for ESM

- LFSM-O and LFSM-U response (adjusting injection or consumption)
- Modulation of active power input (or output) following the instruction
- ESM provides capabilities based on their maximum energy content
- Switching between injecting and consuming

Stakeholders' presentations **on technical requirements for electricity storage**

Coffee break

11:05 – 11:15

Stakeholders' presentations on technical requirements for electricity storage

Lunch break

13:00 – 13:45

Q&A session

Chaired by ACER | 13:45 – 14:10



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Closing remarks

ACER

Thank you. Any questions?

The contents of this document do not necessarily reflect the position or opinion of the Agency.



European Union Agency for the Cooperation
of Energy Regulators

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