

ACER draft amendments to the Network Code on Demand Connection

Fields marked with * are mandatory.

Introduction

This consultation aims at presenting ACER's draft amendments to the **Commission Regulation (EU) 2016 /1388 of 17 August 2016 establishing a Network Code on Demand Connection ('NC DC')**.

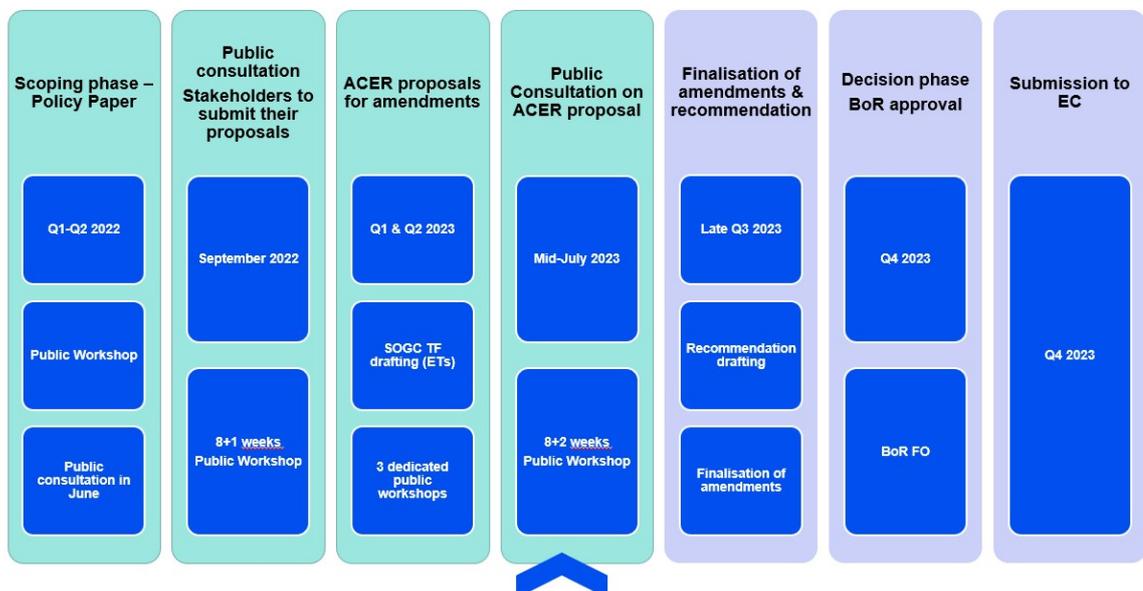
For draft amendments concerning Network Code on Requirements for Generators ('NC RfG'), please go to the respective form: [NC RfG](#).

Responses to this consultation should be submitted by 25 September 2023.

Background

Important developments in the policies of decarbonisation of the European Union (EU) energy and transport sectors have taken place since the inception of the development of the first European Grid Connection Network Codes (GC NCs) in 2012.

In the framework of the Grid Connection European Stakeholder Committee (GC ESC), the European Commission proposed for ACER to initiate the process towards the amendment of the existing GC NCs in September 2022. The amendment process, as presented to the GC ESC is outlined in the Figure below:



Following the scoping phase, ACER published the Policy Paper on the revision of the network code on requirements for grid connection of generators and the network code on demand connection in September 2022. The Policy Paper aimed to transparently indicate to stakeholders the key policy areas in which amendments were to be expected.

[Access the ACER Policy Paper on the revision of the NC RfG and NC DC.](#)

As a next step, ACER launched the Public Consultation to gather stakeholders' views and concrete amendment proposals regarding the GC NCs. The stakeholders could submit their inputs by 21 November 2022.

[Access the results of the Public Consultation on the amendments to the grid connection network codes.](#)

Additionally, in the preparation of the draft amendment proposals, ACER organised three dedicated public workshops, namely:

- [electromobility, power-to-gas demand units and heat-pumps](#) (held on 17 April 2023);
- [rate of change of frequency and grid forming capabilities](#) (held on 10 May 2023); and
- [electricity storage](#) (held on 11 May 2023).

After the evaluation of stakeholders' inputs, ACER has formulated its own proposal for the amendments of the GC NCs which is subject to this public consultation.

Stakeholder's details

ACER is highly committed in processing personal data in a lawful way.

Find out more how we process your data: <https://www.acer.europa.eu/the-agency/about-acer/data-protection>

* Name of the stakeholder:

ENTSO-E

* Contact person:

[REDACTED]

* Contact person's email address:

[REDACTED]

* Country of the stakeholder's headquarters or main country of operation:

Belgium

* Type of the stakeholder:

- Generator (including association)
- Consumer (including association)
- Transmission system operator (including association)
- Distribution system operator (including association)
- Manufacturers (including association)
- Academia/research institution
- Regulatory authority
- Other (please, elaborate)

Please, elaborate on your answer above, if necessary:

* Do you consent to the publication of the stakeholder's name?

- Yes
- No

* Do you consent to the publication of provided answers?

- Yes
- No (please, note that your answer, without your name and organization, may be shared with the EU institutions and national authorities)

Instructions

Stakeholders are invited to submit their comments to the NC DC articles amended by ACER in three mandatory steps:

1. by downloading the ACER draft amendments in the Word file provided below. The file could also be accessed on the right panel of the consultation form under the Background Documents;
2. by commenting on the ACER's draft amendments through this online consultation form and adding their alternative text proposals to the table, if any; and
3. by uploading the alternative amendment proposals to the **entire NC DC** using the Track Changes mode in the ACER draft amendments file downloaded from Step 1.

Where the stakeholder does not have any comments regarding the amendments, the relevant cells in the consultation form can be left blank.

The mandatory steps for submitting the comments are listed below.

Step 1

Please see ACER's draft amendments in the Word file provided below. The file could also be accessed on the right panel of the consultation form under the Background Documents.

[Download ACER draft amendments to the NC DC here](#)

Step 2

Kindly note that this consultation form follows the structure of the NC DC amended legal text provided by ACER in Step 1.

The paragraph numbering in the form reflects paragraph numbers in the amended legal text. Nevertheless, stakeholders can comment on the deleted paragraphs/articles/titles, which are marked as [deleted]. New articles and titles are marked as [new].

Please use this form to comment on ACER draft amendments and/or to provide an alternative text proposal. The instructions are the following:

Please write your comments on the ACER draft amendments and your alternative text proposals, if any, in the table below.

Includes new articles

	Comment on the ACER draft amendments	Alternative text amendment proposal (if applicable)
Article 1	1	2
Article 3		
Article 4		
Article 4a [new]		
Article 5		
Article 6		
Article 7		
Article 8		
Article 9		
Article 10		
Article 11		
Article 12		

Please write your amendment proposals, if any, in the table below.

	Text amendment proposal (if applicable)
New article	3

Please upload figures or tables if necessary

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Select file to upload 4

1. Leave comments on the ACER draft amendment proposals.
 2. Propose (if any) alternative wording of the relevant provision, as you provided in the Word file.
 3. Provide (if any) your proposals for adding new provisions to the relevant section of the NC DC, as you provided in the Word file.
 4. Upload figures or tables if necessary; text inputs should be provided directly in the consultation form.
-

Step 3

Where the stakeholder would like to propose an alternative amendment to the **entire NC DC**, please upload the Word file (**downloaded from Step 1**) containing all your alternative amendment proposals in the Track Changes mode to the next **FILE UPLOAD** section and rename it with your stakeholder's name ("ACER_draft_DC_stakeholder_name"). You can also upload your justification documents, where applicable.

To facilitate the process, please, make sure that the **alternative text proposals provided in this consultation form are consistent**, to the extent possible, **with those in the Word file** you are uploading, taking into account the character limitations of each cell (max 5000 characters).

FILE UPLOAD

Please upload your file here

The maximum file size is 1 MB

Only files of the type pdf,doc,docx,odt,txt,rtf are allowed

e7af34ce-1294-439b-b511-cff12f40c80e/ACER_draft_DCC_ENTSO-E.docx

Please also upload any other document (i.e. **justifications**) below, if relevant.

Please upload your file

The maximum file size is 1 MB

e63fa90d-e9cd-4421-985f-8b9f5886526a/ACER_DCC_ENTSO-E_review_protocol.xlsx

Please upload your file

The maximum file size is 1 MB

a180e253-6d65-4ae4-9582-3c4b1c33421c/ENTSO-E_response_executive_summary.pdf

Please upload your file

The maximum file size is 1 MB

Due to the significant length of this survey:

- you have the possibility to edit your answer after submission. When clicking on "Submit" button, you will be given a Contribution ID which you can then use to access your answers and edit them, if necessary.
- we kindly suggest that you download the entire survey as .pdf (link on the right), prepare your answers and then upload them at once in the EU Survey Tool, to avoid a session timeout on submission.

The maximum length of each cell is 5000 characters. This is the maximum technical limit set by the EUsurvey tool, which cannot be increased.

Whereas Section

Please write your comments on the ACER draft amendments and your alternative text proposals, if any, in the table below

Numbers in the first column correspond to the recitals of the amended version of NC DC Whereas section, including new recitals

	Comment on the ACER draft amendments	Alternative text amendment proposal (if applicable)
(1)		
(2)		
(3)		
(4)		
(5)		
(6)		
(7)		
(**)	<p>ENTSO-E recommends to review the term "energy community" because the "energy community" is a separate entity. The Directive 2019/944 defines the term "citizen energy community". As additional point ENTSO-E supports the need to define the use of off-grid system but does not agree and does not support the exception of these systems to follow the rules of the connection network codes regardless the time (i.e. fine minutes) work in parallel with the distribution or transmission system. ENTSO-E proposes a new legal text.</p>	<p>Transmission-connected demand facilities, transmission-connected distribution facilities, new distribution systems, demand units used by a demand facility or a closed distribution system to provide demand response services to relevant system operators and relevant TSO, V1G electric vehicles and associated V1G electric vehicle supply equipment, heat-pumps, and power-to-gas demand units are subject to the requirements of this Regulation regardless of whether they are part of a citizen energy community or a renewable energy community as defined in Directive (EU) 2019/944 and Directive (EU) 2018/2001 respectively, another entity, or a form of system users aggregation, unless such energy communities, another entity, or a form of system users aggregation constitutes an off grid energy system.</p>
(8)		

(9)		
(10)		
(11)		
(12)		
(13)		
(14)		
(15)	ENTSO-E would like to propose a legal text improvement.	LFSM-UC should support the frequency in emergency state so that LFDD schemes in the best case are not even triggered and no critical demand would be disconnected.
(16)		
(17)		
(18)		
(19)		
(20)		
(21)		
(22)		
(23)		
(24)		

Please write your amendment proposals, if any, in the table below

	Text amendment proposal (if applicable)
New recital	<p>(25) Comment: ENTSO-E would like to propose a new whereas which already exists in NC RfG (Whereas 25**) but it slightly modified for meeting the purpose of NC DC.</p> <p>(25) Legal text proposal: Rapidly increasing penetration of large demand facilities and converted-based technologies into European synchronous systems has presented new challenges in ensuring overall system security. To the extent that an adequate contribution to the dynamically transforming system depends partly on advanced capabilities, demand facilities should be able to support the system robustness by fulfilling appropriate withstand and robustness requirements.</p> <p>(26) Comment: ENTSO-E would like to propose a whereas section that would enable the TSO to provide additional requirements if needed to ensure system stability. This is also in line with the need of some states to define national level rules for data centers or large industrial sites like heating boilers and facilities with power to gas demand units.</p> <p>(26) Legal text proposal: New Whereas (zx): With regard to system stability and system security, the relevant system operator or TSO may specify robustness requirements for transmission connected demand facilities according to the relevant titles of NC DC based on the cost-benefit analysis undertaken in accordance with Article 49.</p>

Definitions (Article 2)

Please write your comments on the ACER draft amendments and your alternative text proposals, if any, in the table below

Includes new definitions

	Comment on the ACER draft amendments	Alternative text amendment proposal (if applicable)
Article 2(1)		
Article 2(2)		
Article 2(3)		
Article 2(4)	ENTSO-E notes that ACER's proposal is not fully in line with ENTSO-E's proposal. ENTSO-E considers that the part of the legal text proposal as "being part of a demand facility or part of a closed-distribution system," is important to avoid legal ambiguity and misinterpretation for the applicability of the technical requirements. We invite ACER to review its position and check the justification as provided in the ENTSO-E proposal.	'demand unit' means an indivisible set of installations, being part of a demand facility or part of a closed-distribution system, containing equipment which can be actively controlled by a demand facility owner or by a CDSO, either individually or commonly as part of demand aggregation through a third party. V1G electric vehicle and associated V1G electric vehicle supply equipment, power-to-gas demand unit or heat-pump are demand units.
Article 2(5)		
Article 2(6)		
Article 2(7)		
Article 2(8)		
Article 2(9)		
Article 2(10)		
Article 2(11)		
Article 2(12)		
Article 2(13)		
Article 2(14)		
Article 2(15)		
Article 2(16)		

Article 2(17)		
Article 2(18)		
Article 2(19)		
Article 2(20)		
Article 2(21)		
Article 2(22)	<p>For clarification. ENTSO-E would like to understand why the word 'response' is removed and only the 'demand unit document' (DUD) is kept. ENTSO-E believes that its proposal to have two definitions, one for demand response and one for demand response unit document, is preferable.</p>	
Article 2(*)		
Article 2(**)		
Article 2(***)		
Article 2(****)		

Please write your amendment proposals, if any, in the table below

	Text amendment proposal (if applicable)
New definition	Article 2(23) Comment: ENTSO-E proposes to add a definition for data center demand unit in the definitions of NC DC. Article 2(23) Legal text proposal: 'data centre demand unit' is a demand unit that centralizes an organization's IT operations and equipment for the purposes of storing, processing and disseminating data and applications;

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TITLE I - General provisions

Please write your comments on the ACER draft amendments and your alternative text proposals, if any, in the table below

Includes new articles

	Comment on the ACER draft amendments	Alternative text amendment proposal (if applicable)
Article 1	ENTSO-E would like to understand the motivation of ACER to reject its proposal to extend LFDD requirement to distribution connected demand facilities. It is important for ENTSO-E to cascade the LFDD requirements towards the DSO and distribution connected DSO. ENTSO-E would like ACER to consider a way to enable this possibility at least at national level.	To add in Art.1 : "distribution-connected demand facilities, if specified by the relevant TSO, in coordination with the relevant system operators, to provide demand disconnection and reconnection;"
Article 3	ENTSO-E suggests to improve the wording to ensure clarity. In addition, ENTSO-E proposes a new legal text for the clause 2 (d) which is linked to demand facilities that are part of off grid systems which have no connection point(s) to a transmission or distribution systems.	Art.3.1.(e) new V1G electric vehicles that do not meet the definition of electricity storage and associated V1G electric vehicle supply equipment, heat-pumps and power-to-gas demand units, with maximum consumption capacity of 0,8 kW or more at any voltage level. Art.3.2.c) demand facilities that are part of other frequencies than 50 Hz or DC systems (e. g. 16.7 Hz power supply systems);
		Art.4(8) Where component parts or units of existing transmission-connected demand facilities, existing transmission-connected distribution facilities, existing distribution systems or existing demand units are replaced or new parts or components added, those new or replacement parts should, to the extent applicable: a. be compliant with the requirements of this Regulation;

Article 4	<p>ENTSO-E notes that ACER did not accept its proposal on Art 4.8 and 4.9. The intention of ENTSO-E is to define on EU level for harmonization purpose and not leave it to every national implementation and significant variations. Moreover, the proposal of ENTSO-E was in line with the conclusions of the relevant expert group. It is our view that an important requirement is lost.</p>	<p>b. not be a limitation on the eventual compliance should compliance be required with this Regulation in accordance with this article; c. Immediately contribute to the requirements of this Regulation pro-rata as appropriate for the part or component compared to the whole facility, system or unit as applicable (e. g. reactive power, frequency capability etc).</p> <p>Art. 4(9) Paragraph 8 does not apply to maintenance activities or to recognized spare parts, whether or not those parts are purchased new at the time of their incorporation into the existing transmission-connected demand facilities, existing transmission-connected distribution facilities, existing distribution systems or existing demand units</p>
Article 4a [new]		
Article 5		
Article 6	<p>(4) ENTSO-E considers that there is no benefit to request the TSO and Relevant SO to make a proposal in a shorter time if the timing for application of the requirement (3 years) is not shortened accordingly. ENTSO-E would support the possibility to have the NC requirements applicable in less then 3 years (Article 59)</p> <p>(4) ENTSO-E supports this amendment however it should be possible to coordinate with the relevant TSO if it is feasible or if this shorter time is linked to system needs.</p> <p>(7) ENTSO-E asks to remove this amendment</p>	<p>(4) Following a request from the relevant TSO, the Member State may provide for a shorter time period for all or parts of the requirements or the methodologies. In this case, the Member State shall communicate the shorter time period to the European Union Agency for the Cooperation of Energy Regulators (ACER).</p>

	proposal of ACER and to keep a good alignment with the RfG. It is the role of the TSOs and the relevant system operator to make a proposal for NC implementation.	
Article 7		
Article 8		
Article 9		
Article 10		
Article 11		

Please write your amendment proposals, if any, in the table below

	Text amendment proposal (if applicable)
New article	

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TITLE II - Connection of transmission-connected demand facilities, transmission-connected distribution facilities and distribution systems

Please write your comments on the ACER draft amendments and your alternative text proposals, if any, in the table below

	Comment on the ACER draft amendments	Alternative text amendment proposal (if applicable)
Article 12		
Article 13		
Article 14		
Article 15	(1) ENTSO-E asks to include in the proposal the situation with multiple connection points	(1) ENTSO-E proposed to add the following legal text: Transmission-connected demand facilities and transmission-connected distribution systems shall be capable of maintaining their steady-state operation at their connection point, or over a set of connection points defined by the relevant TSO, within a reactive power range specified by the relevant TSO, according to the following conditions
Article 16		
Article 17		
Article 18		
Article 19	As explained in our comment related to Article 1, It is important for ENTSO-E to cascade the LFDD requirements towards the DSO and distribution connected DSO. ENTSO-E would like ACER to consider a way to enable this possibility at least at national level. Also the term "logic interface (input port)" should be harmonized with RfG wordings "communication interface (input port)" (art. 13(7)) and "cyber-protected data exchange interface" (art. 13a(2)).	ENTSO-E proposed to add the following legal text: All transmission-connected demand facilities, transmission-connected distribution systems, if specified by the relevant TSO in coordination with the relevant system operators, distribution-connected distribution systems and distribution-connected demand facilities, shall fulfil the following requirements related to low frequency demand disconnection functional capabilities:

Article 20	ENTSO-E considers that the current version of the power quality legal text is not sufficient and needs improvement in line with ENTSO-E proposal. In case the legal text proposal of ENTSO-E is not accepted, ENTSO-E suggests to remove the whole article 20 from the NC DC and to place it at national level (like it is done for the NC RfG). ENTSO-E considers that keeping the existing text is not acceptable.	
Article 21	(5) ENTSO-E considers that the modification proposed by ACER on top of ENTSO-E proposal is not needed because for "transmission-connected demand facilities" or "transmission-connected distribution facilities" the relevant system operator is the TSO. Coordination between the TSO and the RSO is therefore not needed. ENTSO-E proposes to stick to its proposal (which is based on the Expert Group ISSM proposal).	
Article 22		
Article 23		
Article 24		
Article 25	(3)(c) ENTSO-E would like to propose a legal text improvement.	(3)(c) an update of the applicable technical data, simulation models and studies proving compliance of V1G electric vehicles and associated V1G electric vehicle supply equipment, power-to-gas demand units and heat-pumps.
Article 26		

Please write your amendment proposals, if any, in the table below

	Text amendment proposal (if applicable)
New article	

Please upload figures or tables if necessary

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TITLE III - Connection of demand units used by a demand facility or a closed distribution system to provide demand response services to system operators

Please write your comments on the ACER draft amendments and your alternative text proposals, if any, in the table below

	Comment on the ACER draft amendments	Alternative text amendment proposal (if applicable)
Article 27		
Article 28		
Article 29		
Article 30		
Article 31		
Article 32		
Article 33		

Please write your amendment proposals, if any, in the table below

	Text amendment proposal (if applicable)
New article	

Please upload figures or tables if necessary

The maximum file size is 1 MB

[NEW] TITLE XXX - Connection of V1G electric vehicles and associated V1G electric vehicle supply equipment, power-to-gas demand units and heat-pumps

Please write your comments on the ACER draft amendments and your alternative text proposals, if any, in the table below

	Comment on the ACER draft amendments	Alternative text amendment proposal (if applicable)
	<p>(XX) ENTSO-E considers that the installation of large transmission connected data centers creates a cross border issue in terms of system security. Indicatively, the following installations are planned until 2030 in Europe. For France it is expected to have 3,5 GW installed capacity, for the Netherlands 4,5 GW and for Ireland around 2 GW (on scale of 30% of Irish synchronous area). For Spain 3-4GW and for Italy 4 GW are foreseen. Although those are indicative figures, more installations are expected across Europe. On that basis, ENTSO-E would like to raise and support the fact that the same requirements as applied to power to gas demand units shall apply also to data center demand units connected at or above 110 kV.</p> <p>(3) ENTSO-E would like to point out that Figure XX is not correct and it should end at the zero value. Also, for the case of V1G the droop should be 5%. However, ENTSO-E is undergoing a study considering coordination of underfrequency mitigation schemes and an update will follow shortly (at the latest when the amendment process is at the EU Commission level). Moreover, please note that the reduction of power shall stop at zero value. Please also include the new legal text for Nordic SA. For the case of LFSM-UC of Power to gas demand units and data center demand units, please provide a</p>	<p>(XX) Please extend the requirement of power to gas demand unit to data center demand units connected at or above 110 kV.</p> <p>(3)(c) The frequency threshold shall be 49,8 Hz (inclusive), except for synchronous area IE and Nordic where the frequency threshold shall be</p>

Article XX

default droop with a range as for PGM (see the relevant article of RfG). Since those are not movable installations, it is possible and important to determine a general specific droop setting.

(5) ENTSO-E proposes to take the Uret for V1G as well as V2G to be 0,05p.u in table X.1.1. Please see also three relevant comment for the type A PPM, which should the same. If it is a standard and fully harmonized, better be 0.05p.u for system robustness.

(XX) ENTSO-E suggests to check the consistency of V1G requirements with the V2G requirements. In addition, ENTSO-E considers it is a good idea that there are requirements for the total reaction time of the V1G. This need to be same also for V2G. Moreover, the same for requirements for maximum measuring time window and accuracy.

V1G should follow the same requirements as V2G (or ESM if above 1MW) in consumption mode except for LFSM-UC where no switching into generation is required and reduction of consumption is stopped at 0 MW.

(6)(a) ENTSO-E asks to add the following alinea: "Fault-ride-through capabilities in case of asymmetrical faults shall be specified by the relevant system operator." A requirement on HVRT should be added to avoid mass disconnection on this kind of event.

49,5 Hz (inclusive).

(5) Uret should be 0.05 p.u in table X.1.1

(6)(a) The power-to-gas demand unit, when operating above the minimum stable operating level, shall be capable of staying connected to the network and continuing to operate stably after the power system has been disturbed by faults in the transmission network according to a voltage-against-time-profile in line with Figure XX.c at the connection point and with the set points in Tables X.1.3 and X.1.4. Fault-ride-through capabilities in case of asymmetrical faults shall be specified by the relevant system operator.

(6)(b) The power to gas demand unit shall be capable of operating stably without disconnecting from the network, if none of the phase -to -phase voltages exceeds the voltage-against-time-profile defined in Figure X at the connection point. The relevant system operator, in coordination with the relevant TSO, shall define higher longer times for operation, if it is required to preserve or to restore system security (Please use Figure X from RfG). The diagram represents the higher limit of a voltage-against-time profile of the voltage at the connection point, before, during and after a fault. Uref is the maximum voltage specified in Annex II.

(6)(c) Please see the RfG table 7.2.

(6)(b) ENTSO-E asks to add a requirement on HVRT to avoid mass disconnection of large scale power to gas demand facilities due to grid disturbances. This is an important requirement together with the FRT.

(6)(c) In the view of ENTSO-E, FRT profile of PtG demand unit shall be given with range, as for PPM, following the generic FRT profile of figure 3 of existing version of RfG and table 7.2. The reason for using table 7.2 is that PtG demand units will be connected to transmission level and reference is Uret at 0.

(6)(c) Power-To-Gas is foreseen to represent several GW in a very restricted geographical area. A fault could then impact GW of load whose behavior could impact drastically the stability of close generators as well as the system frequency. The recovery after fault should be discussed between TSO and P2G facility owner in order to address this risk. For France for example, we could have to delay the active power recovery of hundreds of ms after voltage recovery to improve transient stability of close nuclear power plants. However a recovery of 5s could be too long and lead to LFSM-activation, which is perhaps not intended for normal faults. A recovery ramp of active power after voltage recovery could be better than just a time recovery. The line should allow these discussions and set only maximum tolerable values. For Germany the time for active power recovery are much too long for the requirements

(6)(c) When the network voltage resumes, after the fault has been cleared, to a value within the voltage range of 0,85 pu – 1,1 pu, a power-to-gas demand unit shall recover its active power output level at the connection point. The relevant TSO shall specify the magnitude and time for active power recovery;

(5)(a) The V1G electric vehicle and associated V1G electric vehicle supply equipment, shall be capable of staying connected to the network and continuing to operate stably after the power system has been disturbed by faults in the transmission network according to a voltage-against-time-profile in line with Figure XX.c at the connection point and with the set points in Tables X.1.1 and X.1.2

	in the German grid. (5)(a) ENTSO-E would like to align the Article XX (5)(a) with the V2G proposal is RfG.	
Article XX+1		
Article XX+2		
Article XX+3		

Please write your amendment proposals, if any, in the table below

	Text amendment proposal (if applicable)
New article	<p>New Article XX(7) Comment: Inline with RfG Article 13a.2, ENTSO-E would like to asks to foresee the capability to disconnect all EV (advanced load shedding plan).</p> <p>New Article XX(7) Legal text proposal:</p> <p>To use the Article 13a.2 of RfG as well here. "A V1G electric vehicle supply equipment shall be equipped with a cyber-protected data exchange interface in order to modulate, without undue delay, active power input following an instruction being received at the input port. The relevant system operator shall have the right to specify requirements for equipment to make this facility operable remotely."</p>

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TITLE IV - Compliance

Please write your comments on the ACER draft amendments and your alternative text proposals, if any, in the table below

	Comment on the ACER draft amendments	Alternative text amendment proposal (if applicable)
Article 34		
Article 35		
Article 36		
Article 37		
Article 38		
Article 39		
Article 40		
Article 41		
Article 42		
Article 43		
Article 44		
Article 45		
Article 46		
Article 47		

Please write your amendment proposals, if any, in the table below

	Text amendment proposal (if applicable)
New article	

Please upload figures or tables if necessary

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TITLE V - Applications and derogations

Please write your comments on the ACER draft amendments and your alternative text proposals, if any, in the table below

	Comment on the ACER draft amendments	Alternative text amendment proposal (if applicable)
Article 48		
Article 49		
Article 50		
Article 51		
Article 52		
Article 53		
Article 54		
Article 55		

Please write your amendment proposals, if any, in the table below

	Text amendment proposal (if applicable)
New article	

Please upload figures or tables if necessary

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TITLE VI - Non-binding guidance and monitoring of implementation

Please write your comments on the ACER draft amendments and your alternative text proposals, if any, in the table below

	Comment on the ACER draft amendments	Alternative text amendment proposal (if applicable)
Article 56		
Article 57		

Please write your amendment proposals, if any, in the table below

	Text amendment proposal (if applicable)
New article	

Please upload figures or tables if necessary

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TITLE VII - Final provisions

Please write your comments on the ACER draft amendments and your alternative text proposals, if any, in the table below

	Comment on the ACER draft amendments	Alternative text amendment proposal (if applicable)
Article 58		
Article 59		

Please write your amendment proposals, if any, in the table below

	Text amendment proposal (if applicable)
New article	

Please upload figures or tables if necessary

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ANNEX I

Please write your comments on the ACER draft amendments and your alternative text proposals, if any, in the table below

	Comment on the ACER draft amendments	Alternative text amendment proposal (if applicable)
Annex I	<p>ENTSO-E proposes to take care of the tables of Nordic, Ireland changes to an exhaustive value. Also, ENTSO-E suggests to use the same tables for frequency and voltage ranges between DCC and RfG and have cross references.</p>	<p>Please use the table of RfG (Art 13.2).</p>

Please upload figures or tables if necessary

The maximum file size is 1 MB

ANNEX II

Please write your comments on the ACER draft amendments and your alternative text proposals, if any, in the table below

	Comment on the ACER draft amendments	Alternative text amendment proposal (if applicable)
Annex II	<p>ENTSO-E points out that this is not aligned between Rfg and DCC. All voltage values shall be aligned between all connection codes. Please use the same tables as in NC RfG.</p> <p>ANNEX II Voltage rages and time periods referred to in Article 13 (1):</p> <p>ENTSO-E would like to raise the fact that for the Nordic system, there is a need to modify the Annex II in DCC, as follows:</p>	<p>0,85 pu-0,90 pu - -To be specified by each TSO, but not more than 60 minutes</p>

Please upload figures or tables if necessary

The maximum file size is 1 MB

Other additional provisions

Please write your amendment proposals, if any, in the table below

	Text amendment proposal (if applicable)
Other new provisions	ENTSO-E would like to propose that all provisions related to demand response services to relevant system operators shall be removed from NC DC when new NC on Demand Response enters into force.

Please upload figures or tables if necessary

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Background Documents

[NC DC ACER draft amendments for PC 2023 E 07.docx](#)

Contact

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