

Implementation Network Codes

WG Belgian Grid
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Overview

- 1. Status & Next steps TF “Implementation Network Codes”**
 - a) Reactive power management & Voltage
 - b) Operational Information Exchange
 - c) Next steps
- 2. The concept of “connection point” throughout the EU connection codes**
- 3. Non-NC driven changes to the Federal Grid Code**
 - a) Work plan: a kind reminder
 - b) Capacity Reservation: closing
 - c) CDS proposals: towards a position paper

1. Status & Next steps

TF “Implementation Network Codes”

- a) Reactive power management & Voltage
- b) Operational Information Exchange
- c) Next steps

a) Reactive power management & Voltage

Last meeting: 14/12/2016 **Next/final meeting:** 21/02/2017

Focus 14/12 was on: Requirements for transmission connected demand facilities & distribution

- Overview of the main drivers explaining the need to revisit how responsibilities are currently distributed and why grid users will more and more have to be involved and bear requirements
- Overview of how Elia proposes to deal with the mainly non-exhaustive DCC requirements
- Within Synergrid a 'joint' analysis is ongoing to determine/discuss requirements.
- Connection requirements/capabilities and (operational) 'incentives' (cf. tariffs) will have to work together to obtain the necessary outcome.
- Application on CDS-connected grid users remains a difficult issue requiring further discussion (linked to the more general interpretation of the NCs w.r.t. CDS)

Focus next meeting 21/2 will be:

- DCC requirements (continued)
- RfG: updated, final proposal
- HVDC: final proposal

b) Operational information exchange

Last/final meeting: 20/12/2016

Focus was on:

- Updated proposal
- Elia's feedback on question after the previous sessions, e.g.:
 - RT substation topology
 - Structural data on reactive power
 - ID/DA reactive power forecasts
 - Forecasting: individual data (rather than aggregated)
 - Application of requirements in different cases: data about which connection point, e.g. linked to the concept of 'net' reactive/active power
 - Refining the notion of 'real-time'

Next step: in general, goal is to pick up the different items in this transversal topic throughout different implementation tracks linked to the current practice

c) Next steps (1/2)

- **No further meetings are planned, except for ‘Reactive power mgt & voltage’ and ‘Significant Grid Users’**
 - In parallel, Elia will provide further feedback on some questions received.
- **Reactive power Mgt & Voltage:** 5th session on 21/2 (already planned)
- **2nd iteration “Significant Grid Users”**
 - Already planned meetings: 1/Feb & 27/Mar
 - 1/Feb: purpose is to provide a profound wrap-up on generator types A-B-C-D
 - A **“Technical Summary”** (word-doc, about 25 pages) will be provided asap
 - 27/Mar: purpose is to provide an update on the limits ABCD as proposed by Elia, taking into account the feedback received from stakeholders
 - Proposal: Use the **session of 21/2** on “Reactive Power Mgt & Voltage” to capture **stakeholder feedback on the “Technical Summary” and other aspects** linked to the theme of SGU (such as main blocking points, forgotten aspects, ...) → “wrap-up of stakeholder positions”

c) Next steps (2/2)

- No further meetings are planned, except for ‘Reactive power mgt & voltage’ and ‘Significant Grid Users’
- Reactive power Mgt & Voltage: 21/2
- 2nd iteration “Significant Grid Users”: 1/2, 21/2(cf. previous side)), 27/3
- In Q2 2017 & after the 2nd iteration: Public consultation by Elia on “Limits for generator types ABCD”, cf. Art. 5 (3), NC RfG

3. Proposals for maximum capacity thresholds for types B, C and D power-generating modules shall be subject to approval by the relevant regulatory authority or, where applicable, the Member State. In forming proposals the relevant TSO shall coordinate with adjacent TSOs and DSOs and shall conduct a public consultation in accordance with Article 10. A proposal by the relevant TSO to change the thresholds shall not be made sooner than three years after the previous proposal.

For information: currently ongoing public consultation by regulators on “derogation criteria”

2. The concept of “connection point” throughout the EU connection codes

→ See different powerpoint

1. Non-NC driven changes to the Federal Grid Code

- a) Work plan: a kind reminder
- b) Capacity Reservation: closing
- c) CDS: towards a position paper

Non-NC driven changes to the Federal Grid Code Work Plan: a kind reminder (1/3)

Context:

- During 2016 a list priority topics was determined.
- Also, for each topic a timing and approach was determined
- For 3 topics, activities have already started (either today or already end 2016)

Reminder:

However, in order to keep pace with the proposed timings, **everyone is kindly reminded about the determined timings and approach**, incl. from whom more elaborated proposals are expected (cf. mail reminder earlier this month).

→ Please indicate to Isabelle Gerkens if you wish to make a contribution on one of the identified topics during one of the next meetings.

Which topics?:

Next two slides repeat the topic list (cf. earlier WG BG meetings) and indicate where further stakeholder input was asked.

Non-NC driven changes to the Federal Grid Code Work Plan: a kind reminder (2/3)

In general, there is a **need to further specify the ideas** raised in the contributions received. Therefore, more detailed scoping debates and/or exchange of positions is required before entering into re-drafting the grid code.

→ **Stakeholders and/or Elia are proposed to provide first inputs to the debate.**

→ **Whenever a debate is already ongoing/foreseen, it is proposed to make the link with these debates**

Topic	Forum	Approach	Starting ...
Definitions	WG Belgian Grid (unless specifically linked to other items dealt with in other WGs)	<ul style="list-style-type: none"> Start with definitions supporting the 'Significant Grid User'-debate and their links with existing definitions in the Federal Grid Code Discuss need and scope of items already proposed in the written contributions Call for more exhaustive inventory 	Starts today (24 January 2017)
CDS	WG Belgian Grid	Build on state-of-play/earlier reflections. Elia will provide a first proposal for discussion.	Ongoing
Capacity reservation	WG Belgian Grid	<ul style="list-style-type: none"> Present and check whether the proposal is still OK. Check whether it can already be introduced independent from NC-driven process changes 	Closing(?) today
Grid Losses	WG Belgian Grid	Stakeholders are invited to present their vision and proposals	Q1 2017
Market roles & responsibilities & BRP	WG Belgian Grid	Scoping debate needed in WG BG to pinpoint which concrete aspects can be covered. All stakeholders are invited to further detail their ideas, focused on the Federal Grid Code. This topic should also cover BRP-aspects.	Q2 2017
Supplier	WG Belgian Grid	<ul style="list-style-type: none"> Stakeholders are asked to provide their more concrete ideas and suggestions. More generally, linked to market roles & definitions. 	To be linked to ongoing debate on Access Contract

Non-NC driven changes to the Federal Grid Code Work Plan: a kind reminder (3/3)

In general, there is a **need to further specify the ideas** raised in the contributions received. Therefore, more detailed scoping debates and/or exchange of positions is required before entering into re-drafting the grid code.

- **Stakeholders and/or Elia are proposed to provide first inputs to the debate.**
- **Whenever a debate is already ongoing/foreseen, it is proposed to make the link with these debates**

Topic	Forum	Approach	Timing
Storage	WG Belgian Grid	<ul style="list-style-type: none"> • Elia will facilitate a debate on the need to introduce storage connection requirements in the Federal Grid Code • Stakeholders are invited to provide their input on the concrete needs for the Federal Grid Code related to storage 	Q2 2017
Aspects linked to metering	WG Belgian Grid	Stakeholders are invited to further explain their views on how the FGC should evolve for this topic	Q2 2017
Flexible Access	WG Belgian Grid	Regional evolutions to be taken into account and compatibility at federal level to be checked/discussed	Q2 2017
CIPU	WG SO&EMD	Changes to be discussed along/after the discussions already launched	To be linked to other debates
AS (product design)	WG Balancing	Integration with overall Roadmap and NC requirements	To be linked to other debates
AS (market design)	WG Balancing	Integration with overall Roadmap and NC requirements	To be linked to other debates