

Implementation Network Codes

WG Belgian Grid
7 March 2017

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Overview

- 1. Status TF “Implementation Network Codes”**
- 2. The further process on implementation NCs: contribution by FOD/SPF**
- 3. The concept of “connection point” throughout the EU connection codes**
- 4. Non-NC driven changes to the Federal Grid Code**
 - a) CDS – Discussion Position Paper
 - b) Werkplan 2017 Q2

Status NC adoption – Summary

Network Code	Status	Best guess(!) for “entry into force”
Market codes:		
Capacity Allocation and Congestion Management (CACM)	Entered into force	14/08/2015
Forward Capacity Allocation (FCA)	Entered into force	16/10/2016
Electricity balancing (EB)	Comitology process ongoing (? vote on 15-16/03/2017 ?)	End 2017
Connection codes:		
Requirements for generators (RfG)	Entered into force	17/05/2016
Demand Connection Code (DCC)	Entered into force	07/09/2016
HVDC (HVDC)	Entered into force	28/09/2016
Operational codes:		
Operational Security (OS)	Approved in Comitology (04/05/2015)	June 2017
Operational Planning & Scheduling (OPS)		
Load Frequency Control & Reserve (LFCR)		
Emergency & Restoration (E&R)	Approved in Comitology (24/10/2016)	Q3 2017

Merged
in one
guideline

1. Status TF “Implementation Network Codes”

- a) Reactive power management & Voltage
- b) 2nd iteration SGU

a) Reactive power management & Voltage

5th (and final) meeting took place on 21/2/2017

- **Overview article by article** on RfG-DCC requirements
 - **Requirements SPGM & PPM type B:** Elia is investigating less stringent requirements for Elia-connected type B compared to the earlier position taking into account the feedback received. For DSO-connected units, referral is made to C10/11 process.
 - **Requirements SPGM type C:** updated proposal in reaction to feedback BGA
 - **Requirements for type C & D PPMs:** updated proposal in reaction to feedback BGA
 - **HVDC requirements:** proposal for requirements allowing HVDC to also make a contribution
- ➔ **The full picture** on how future reactive power needs will be covered has been covered, by using capabilities from all grid users, incl. grid investments to cover the gap.

b) 2nd iteration Significant Grid Users

- **1/2/2017: Elia wrap-up presentation** (“Technical Summary”) – No updated proposal (yet)
- **21/2/2017: Stakeholder feedback**
 - **Febeliec:** presentation covering the entire scope outlining Febeliec’s main concerns + extra position paper with detailed feedback on the “Technical Summary”
 - *Amongst others*¹: need for more argumentation, quid significant modernization, proposal TSO-DSO limit, limits ABCD @ NC less stringent level,...
 - **BGA:** presentation covering the entire scope outlining (in addition to the earlier positions provided by BGA)
 - *Amongst others*¹: need for a level playing field, proposal for limits ABCD, main blocking points per category with distinction between general items and items for specific categories, role of derogations
 - **Synergrid:** presentation with focus on “Technical requirements for generators to distribution Grid”
 - *Amongst others*¹: link C10/11, motivation limit A-B@250kW
- **27/3/2017: Elia feedback / updated proposal**

+ **Q2 2017: Formal public consultation** by Elia on limits ABCD

¹ The complete contributions are available on the website of the Users’ Group

2. The further process on implementation NCs

→ *contribution by FOD/SPF*

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

→ See different powerpoint

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

a) Workplan 2017

b) CDS – Discussion Position Paper

a) Workplan 2017

Context:

- During 2016 a list priority topics was determined.
- Also, for each topic a timing and approach was determined
- 3 activities already started (either today or in previous WG BG meeting) - topic on capacity reservation yet closed

Reminder in the previous WG Belgian Grid:

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.
- Inputs from Febeliec & Febeg has been received

Which topics?:

Next 2 slides repeat the topic list (cf. earlier WG BG meetings) and indicate where further stakeholder input was asked.

a) Workplan 2017

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 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 (7 March 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 	Closed
Grid Losses	WG Belgian Grid	Stakeholders are invited to present their vision and proposals	Q1/Q2 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

a) Workplan 2017

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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 & CIPU	WG Belgian Grid (/WG SO&EMD)	Regional evolutions to be taken into account and compatibility at federal level to be checked/discussed. To be discussed along/after the discussions already launched	Q3 2017
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

a) Workplan 2017

Input Febeliec (non-exhaustive overview):

- **CDS:** Debate ongoing
- **Capacity Reservation:** Febeliec agrees with the UG Proposal
- **Grid Losses:** in favour of sourcing by Elia, although no strong preference. Impact on industrial grid users to be verified and current categorisation (i.e. time differentiation) should be maintained
- **Access contract:** Febeliec will react on proposals made by other stakeholders.
- **Definitions:** mainly related to NC discussion, but also to Clean Energy Package (E.g. replacing ARP by BRP). To be determined in which document to arrange aspects (E.g. aspects related to substantial modernization).
- **Flexibility:** changes to the FTR depend on the Electricity Law amendments
- **CIPU:** to be verified if general NC requirements can be replaced by specific contract requirements