

Transposition EU network codes: status & approach

UG plenary meeting – 2 July 2015

Overview

1. Status
 2. Towards an overall roadmap
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Status: NC development

- Network codes are “in (different phases of) progress”
- EC is committed to approve as many NC as possible in 2015...

	Network Code	Development phase
Connection	Requirements for Generators (RfG)	Comitology Approved
	Demand Connection Code (DCC)	Comitology
	High Voltage Direct Current (HVDC)	Comitology
Market	Capacity Allocation and Congestion Management (CACM)	Scrunity phase
	Forward Capacity Allocation (FCA)	Comitology
	Electricity Balancing (EB)	ACER recommendation expected
Operational	Operational Security (OS)	Pre-comitology
	Operational Planning & Scheduling (OPS)	Pre-comitology
	Load Frequency Control and Reserves (LFCR)	Pre-comitology
	Emergency & Restoration (E&R)	Submitted by ACER for Comitology

Status: approach

Phase 1: Topic-wise discussion in the relevant WGs to determine the goals for a Belgian transposition without directly jumping to details of actual deliverables

- Relevant topics, concepts, issues coming from NCs are identified (*cf. infra*)
- Depending on the topic an open discussion takes place with the goal to learn each other views and, as much as possible, converge to a common viewpoint.
- The treatment of a single topic may require several consecutive (expert) meetings.

Topics from NC DCC and NC RfG serve as first cases in WG Belgian Grid, but, of course, aspects of other codes could be discussed whenever required for a topic.

Kicked-off
already in WG
Belgian Grid

Phase 2: At a later stage, when a better view on the actual transposition goals is reached a more dedicated implementation structure can be organized.

A “deliverable” oriented structure is likely to be required (e.g. oriented to FTR, regulated contracts, etc).

Status: UG activities

- **First steps of phase 1 have been concluded in WG Belgian Grid and discussions are taking off**
 - ➔ Driven by **connection codes** (de facto RfG and DCC)
 - Main topic definition concluded (with feedback from several UG members)
 - “Topic” = Major content element around which we structure the discussions*
 - Prioritization/calender of topics concluded (with feedback from several UG members)
 - First topic discussion has been initiated (i.e. Limits A-B-C-D)
- **Others codes will follow**
 - Operational codes ➔ primarily WG SO
 - NC CACM & NC FCA ➔ primarily WG EMD (also covered by several early implementation projects)
 - NC EB ➔ primarily TF Balancing

NC RfG & NC DCC – Overview of Main topics

NC RfG main topics

NC DC main topics

Scope (including links w/ other NC)

Categories (A/B/C/D & New/Existing)

Categories (Significant & New/Existing)

Connection & Compliance Processes (LON, ION, FON)

Voltage stability, Management & Reactive Power

Voltage stability, Management & Reactive Power Exchange

Emergency Plans & Operation

Emergency Plans & Operation

Protection & Control/Connection

Protection & Control & Information Exchange
(including simulation models & islanding)

Embedded Generation (incl. CDS)

Frequency stability & Management

Frequency stability & Management

Robustness & Fault Ride Through

Power Quality

Short-Circuit Power

DSR (incl. Aggregator role & links w/ AS)

Information Confidentiality

Cost Recovery for Network Operators

NC Implementation Monitoring

Links with other binding documents

Compliance Verification

Process for applicability to New/Existing (CBA, Public consultation, ...) & Derogation

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Emergency Plans & Operation

**Focus for next months in
WG Belgian Grid/Expert working group**

Protection & Control/Connection

Protection & Control & Information Exchange
(including simulation models & islanding)

Embedded Generation (incl. CDS)

Frequency stability & Management

Frequency stability & Management

Robustness & Fault Ride Through

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Specific technical questions and/or topics to be discussed

Group of experts dedicated to analyze, exchange ideas and make propositions regarding specific (contractual and technical) issues related to implementation of Network Codes in BE context

- Mandate from WG Belgian Grid
- High level explanation & scoping of the topics published on Elia UG webpage

Composition

- Experts from UG members (federations), chosen for the topic to be discussed
- President & Secretary : Elia
- Elia experts of the topic

Language : English, Dutch or French

Agenda: *(cf. next slide)*

- High level Planning published on Elia UG webpage (September to December 2015)
- Invitation of the meetings with detailed scope of the meeting

Work organisation:

- Regular feedback to WG Belgian Grid & UG Plenary
- Preparation of proposals on specific topics, subject to the approval of WG Belgian Grid

Proposed topics for next months:

- Significant grid users
- Reactive power management
- Connection and compliance processes

High Level Planning 2015 – Proposed Agenda

WG Belgian Grid 1/6:

First overview of topic ‘Significant grid users’ + Elia proposal

Experts Group (Weeks 40-41 – Oct 15)

- Presentation of Elia proposal on topic ‘Significant grid users’
- Feedback/remarks/alternative proposals from UG members
- General discussion

WG Belgian Grid (Weeks 40-41 – Nov/Dec 15)

- First overview of topic ‘Voltage & Reactive Power management’
- First overview of topic ‘Connection & Compliance processes’

Experts Group (Weeks 48-49 – Dec 15)

- **Topic ‘Significant grid users’**
 - Feedback/remarks/alternative proposals from UG members (if needed)
 - Finalization of proposal on topic ‘Significant grid users’ (if possible)
- **Topic ‘Connection & Compliance processes’**
 - Presentation of Elia proposal
 - Feedback/remarks/alternative proposals from UG members
 - General discussion

Experts Group (Jan 16)

- **Topic ‘Significant grid users’** : If needed
- **Topic ‘Connection & Compliance processes’**
 - Feedback/remarks/alternative proposals from UG members (if needed)
 - Finalization of proposal on topic ‘Significant grid users’
- **Topic ‘Voltage & Reactive Power management’**
 - Presentation of Elia proposal
 - Feedback/remarks/alternative proposals from UG members
 - General discussion

This agenda is a proposal. The actual need for more or less meetings depends on the outcome of the discussion.

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