

# WG Belgian Grid

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19/06/2017

## 2.1 Werkplan 2017 – Data & agenda van de Workshops RTF

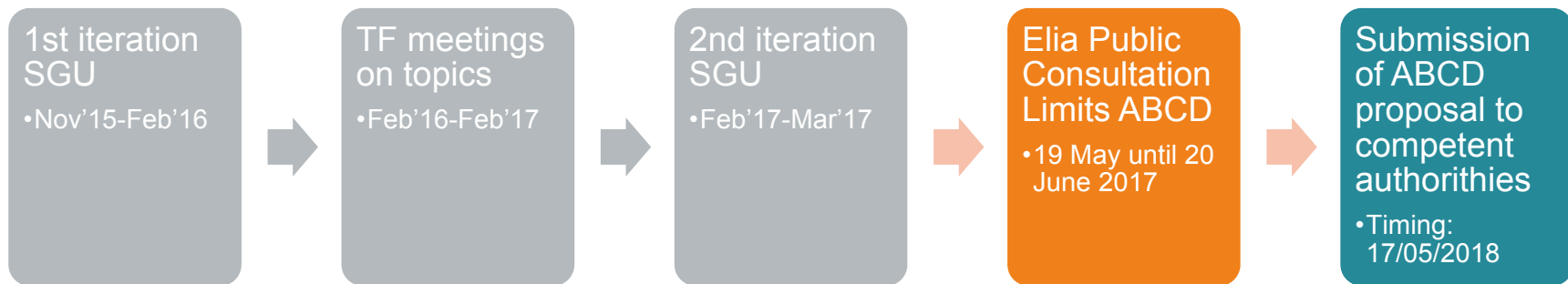
# Status NC adoption – Summary

No changes since last WG Belgian Grid

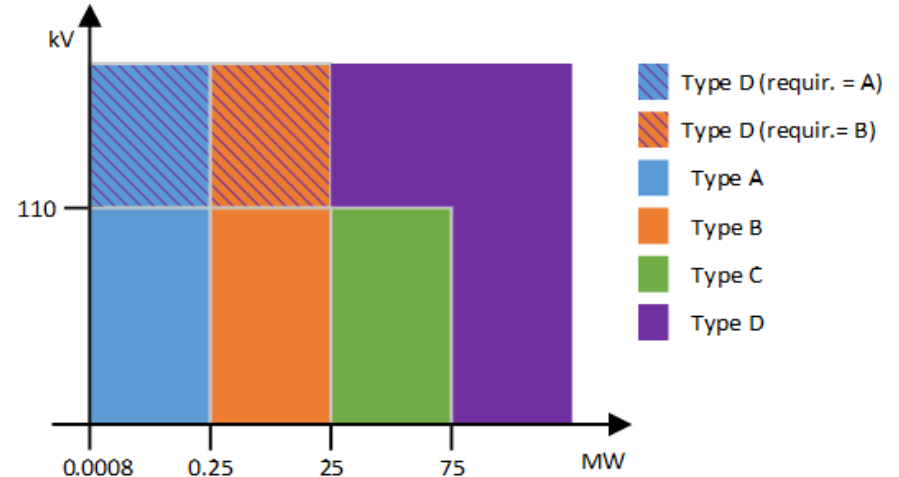
Network Code	Status	Best guess(!) for “entry into force”
<b>Market codes:</b>		
Capacity Allocation and Congestion Management (CACM)	Entered into force	14/08/2015
Forward Capacity Allocation (FCA)	Entered into force	16/10/2016
Electricity balancing (EB)	Approved in Comitology (16/03/2017)	Q4 2017
<b>Connection codes:</b>		
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
<b>Operational codes:</b>		
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

# Public consultation: maximum capacity thresholds types B, C and D PGM



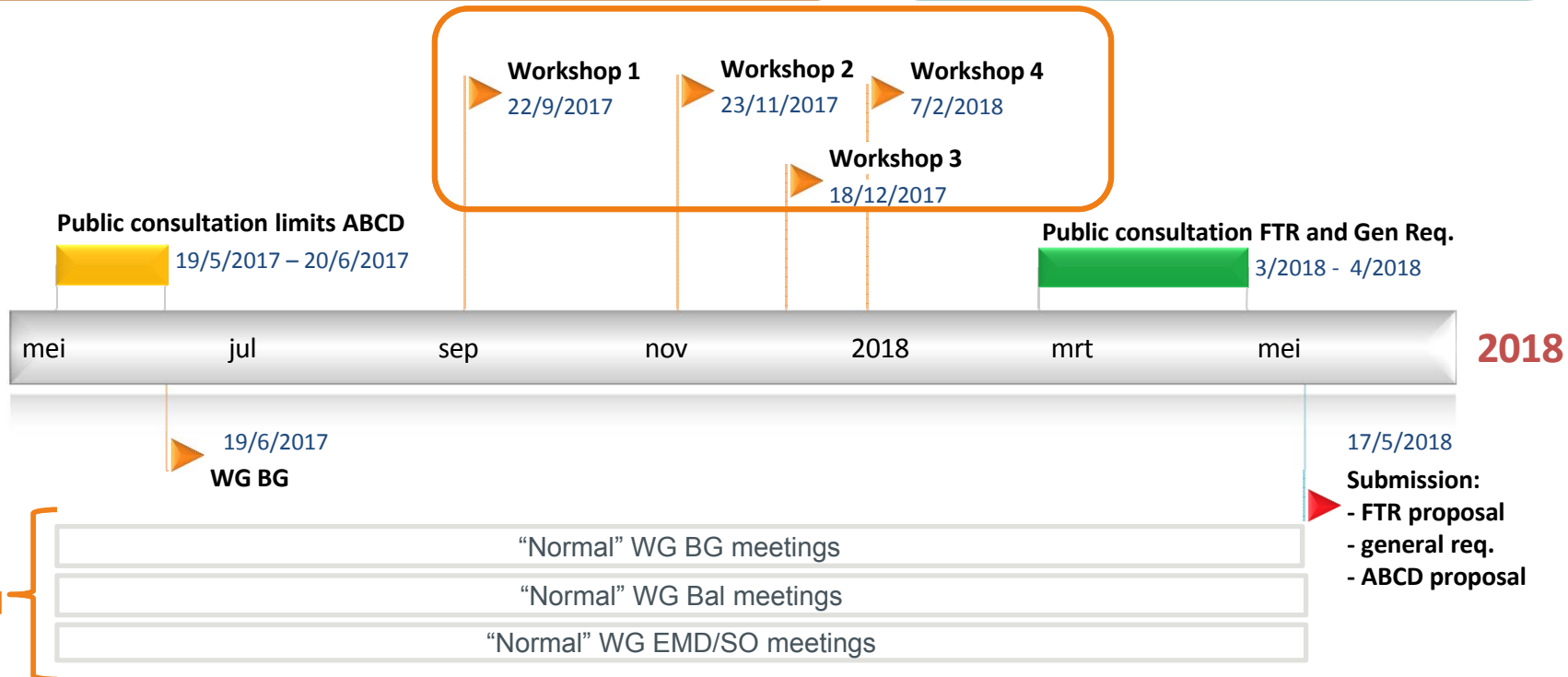
- Consultation on proposal following NC RfG Art. 5(3)
- Consultation period 19 May – 20 June 18:00
- Consultation responses can be communicated via the form on the Elia website (documents can also be uploaded):
  - [public consultation webpage](#)
- The public consultation webpage contains a reference to the public consultation document



# Indicative planning and agenda workshops with focus on Federal Grid Code and general requirements

- Task Force “Implementation Network Codes” has ended.
- 4 dedicated workshops for discussing:
  - Federal Grid Code impact and amendment proposals
  - Progress on general requirements
- All interested parties are welcome.

- **All workshop material** will be distributed prior to the workshop allowing preparation by all parties + everything will be published on elia.be



The normal UG Working Groups can work in support of the FTR workshops, e.g. for discussing topics for which it is too early to discuss concrete amendment proposals (e.g. non-NC “wish-list”).

# Indicative planning and agenda workshops with focus on Federal Grid Code and general requirements

Workshop	Topics to be presented
<b>Workshop 1</b> 22 Sept 2017	<ol style="list-style-type: none"> <li>1. <b>Federal Grid Code: mainly connection related aspects</b>, such as:               <ul style="list-style-type: none"> <li>• Limit ABCD</li> <li>• Substantial modernization</li> <li>• Connection process</li> <li>• Connection requirements</li> <li>• Offshore</li> <li>• Compliance</li> <li>• Generalities</li> <li>• Ad hoc points</li> </ul> </li> <li>2. <b>Technical discussion ‘general requirements’</b></li> </ol>
<b>Workshop 2</b> 23 Nov 2017	<ol style="list-style-type: none"> <li>1. <b>Feedback from previous workshop</b></li> <li>2. <b>Federal Grid Code: mainly market related aspects</b>, such as:               <ul style="list-style-type: none"> <li>• Balancing, BRP, ancillary services, access</li> <li>• CACM/FCA</li> <li>• CDS (aspects not related to connection – based on Position Paper CDS)</li> <li>• Metering</li> <li>• Definitions</li> <li>• Ad hoc points</li> </ul> </li> <li>3. <b>Technical discussion ‘general requirements’</b></li> </ol>

# Indicative planning and agenda workshops with focus on Federal Grid Code and general requirements

Workshop	Topics to be presented
<b>Workshop 3</b> 18 Dec 2017	<ol style="list-style-type: none"> <li>1. <b>Feedback from previous workshops</b></li> <li>2. <b>Federal Grid Code, mainly on connection, DSO</b> <ul style="list-style-type: none"> <li>• Connection-related aspects (continued from workshop 1)</li> <li>• CDS (connection-related aspects)</li> <li>• Storage requirements</li> <li>• HVDC</li> <li>• DSO aspects</li> <li>• E&amp;R</li> <li>• Ad hoc points</li> </ul> </li> <li>3. <b>Technical discussion ‘general requirements’</b></li> </ol>
<b>Workshop 4</b> 7 feb 2018	<ol style="list-style-type: none"> <li>1. <b>Feedback from previous workshops</b></li> <li>2. <b>Federal Grid Code, track change proposals</b> <ul style="list-style-type: none"> <li>• Definitions (&amp; generalities)</li> <li>• Ad hoc points</li> </ul> </li> <li>3. <b>Technical discussion ‘general requirements’</b></li> </ol>

## 2.1 How to approach the revision of the Federal Grid Code: *Some considerations and a first view on the connection title*



# The Federal Grid Code : impacts

Titel	Artikels	Bevat onder andere...	Impact NC & wish-list
<b>0. Structuur</b>	n/a	Inhoudstafel	+
<b>I. Algemeen</b>	Art. 1 -26	Definities, algemene werkingsbeginselen, formaliteiten	++
<b>II. Planningsgegevens van het net</b>	Art. 26-40	Planningsgegevens	-
<b>III. Aansluiting op het net</b>	Art. 41-141	I.v.m. aansluiting: Technische voorschriften, oriëntatie- en detailstudie, uitvoering & conformiteit, controle, informatie,	+++
<b>IV. Toegang tot het net</b>	Art. 142-319	Toegangshouder, evenwichtsverantwoordelijke, compensatie verliezen, nominaties, ondersteunende diensten, CIPU, reddings- en heropbouwcode	+++
<b>V. Tellingen &amp; metingen</b>	Art. 320-368	Meetuitrustingen, technische criteria & procedures, toegang tot meetuitrustingen, controle van meetuitrustingen, ijking, meetwaarden	+
<b>VI. Specifieke bepalingen tussen de beheerders van het transmissienet en de beheerders van het distributienet of van het plaatselijk transmissienet in de regelzone</b>	Art. 369-388	Verhouding tot andere titels, Activiteiten van de netbeheerder, Uitwisseling van gegevens, Aansluiting, Toegang, Metingen & Tellingen	++
<b>VII. Registratie van gegevens</b>	Art. 389-403	Algemeen, vorm, beginselen elektrische schema's	-
<b>VIII. Slotbepalingen</b>	Art. 404-409	Strafbepalingen, permanente dialoog met de marktoperatoren, inwerkingtreding	-

+ New topics : CDS; Storage; HVDC; Offshore

# Approach to review the FTR

## Keep the “silent” articles : “evolution, no revolution”

- To maintain (after critical evaluation) relevant titles and chapters ; keep parts of a well-known legal instrument at federal level
  - When not linked to cross border / NCs issues
  - When no changed from the wishlist
- Existing grid users : existing requirements/rules to be maintained (although these aspects are also regulated under NCs) for existing grid users not subject to capabilities of NCs

## Keep the existing structure

- NC families (connection, operation & market) aligned with structure of FTR
  - FTR = 8 big chapters including operational, connection and market- related chapters
- To allow new (sub)chapters (cf. HVDC, CDS, storage...)

## Evolve towards a “lighter” FTR

- Market aspects: less details in FTR in order to avoid blocking market evolutions
- EU Market NCs already set a framework for a multitude of terms and conditions or methodologies to be proposed by TSOs/ NEMOs and approved by NRAs

# Approach to review the FTR

## **Evolve towards a future-proof FTR and flexible procedures**

- Better respond to future needs and market evolutions
- When introducing new definitions, procedures or requirements: to be as much as possible future-proof and to take into account future evolutions
  - Procedures : to leave some flexibility, to avoid very restrictive or detailed procedures
  - Procedures : limited to a general framework but where needed, useful and future-proof complemented with crucial aspects

## **See the FTR as a complementary document to the NCs/guidelines**

Regulation (NCs/GLs) = general applicability, entirely binding, directly applicable in all EU Member States, direct effect (no discretion for public authorities)

- NO copy/paste of the network codes/guidelines provisions into the national legislative system
- If provision in NC/guideline is detailed enough and does not require further national measures, no need to duplicate the provision in FTR
- If provision in the NC/guideline is not detailed enough or parameters need to be defined, further specification and implementation at national level will be needed

## **Check regimes to keep for actual units vs. future units**

- Distinction between new and existing grid users for connection NC (>< operational NC)
  - Notion of substantial modernization
  - Importance to keep current capabilities/requirements that will continue to be needed for the existing grid users

# Agenda FTR Workshop 1

## 22/09/2017

### 1. Federal Grid Code: mainly connection related aspects, such as:

- **Limit ABCD**
- **Substantial modernization**
- **Connection process**
- **Connection requirements**
- **Offshore**
- **Compliance**
- **Generalities**
- **Ad hoc points**

### 2. Technical discussion 'general requirements'

- How to formalize the decision on **limits ABCD**? What should be in the FTR and how)?

- How to deal with the new notion of “**substantial modernization**” in the FTR? How about process and content?

- How to distinguish requirements for “**new**” from requirements for “**existing**” installations?

- How to refer to the (non-) exhaustive requirements in the network codes?

- Which level of detail for **technical requirements from RfG, DCC and HVDC** to be written in the FTR?

- Can/should/may be referred to the **derogation process**?

# The FTR Title III “connection”

Chapter I – Technical prescriptions for connection

Chapter II – Application for an orientation study for a connection to the grid

Chapter III – Slight change

Chapter IV – Connection request

Chapter V – Realisation and compliance of the connection

Chapter VI – Verification of the connections and installations of grid users

Chapter VII – Information related to existing connections

Chapter VIII – Transitional provisions



E.g. Need to deal with embedded generation



E.g. Introduce new concepts of EON, ION, FON, LON



E.g. include UG recommendation on capacity reservation

## Other principles and concepts to be considered, such as:

- New categories of generation units (categories ABCD, PPMs, PGMs)
- Difference between ‘Existing’ and ‘New’ and the concept of ‘Substantial modernisation’
- Closed Distribution Systems (CDS)
- References to derogations, NC exhaustive requirements,... where useful and acceptable

## 3.2. FTR wish-list:

*Visie op de herziening van het Federaal Technisch Reglement – Sectie ‘Toegangscontract’*

# Title IV: situation on access holder (As is)

- |                                     |     |  |
|-------------------------------------|-----|--|
| BRP                                 | 1.  | Procedure to become BRP                                |
| BRP,<br>BSP                         | 2.  | Balancing obligations of BRP and of TSO                |
| ACH                                 | 3.  | Procedure for access to the grid & ACH contract        |
| CACM-<br>FCA                        | 4.  | Interconnections with foreign grids                    |
| BRP-<br>ACH                         | 5.  | Link AP and its BRP (appointment + ≠ responsibilities) |
| ACH                                 | 6.  | Specificities for “prélèvement de secours”             |
| ACH                                 | 7.  | Reactive energy offtake (invoicing principles)         |
| BRP                                 | 8.  | Daily Access program                                   |
| BSP<br>(Rx,Mvar,BS)<br>Dimensioning | 9.  | Ancillary Services                                     |
| CIPU                                | 10. | CIPU obligations of BRP                                |

## General comments

1. ACH role is included in BRP role  
⇒ It will have to be split:
  - Rem: BRP role is currently very central and covers not only ACH role but also BSP, Unit coordinator(CIPU...), that's why this chapter is big and englobes many concepts
2. FGC very detailed
  - Procedures & timings
  - Contains details of ACH/BRP contract
  - Not always easy to read

## Proposal to evolution

- According to vision on future FTR:
- ⇒ Focus on principles
  - ⇒ Balance between having a future proof FTR and enough necessary details to ensure a correct legal framework

# Title IV: 'to be' situation on the role of access holder

BRP	1. Procedure to become BRP
BRP, BSP	2. Balancing obligations of BRP and of TSO
ACH	3. Procedure for access to the grid & ACH contract
CACM-FCA	4. Interconnections with foreign grids
BRP-ACH	5. Link AP and its BRP
ACH	6. Specificities for "prélèvement de secours"
ACH	7. Reactive energy offtake (invoicing principles)
BRP	8. Daily Access program
BSP (Rx, Mvar, BS) Dimensioning	9. Ancillary Services
CIPU	10. CIPU obligations of BRP

## Old (current) FTR approach:

- 1) How to become BRP
- 2) How to request access to the grid ( + sign ACH contract)
- 3) How can the GU appoint his BRP

## Proposal for new approach in FTR

- 1) Split roles of ACH and BRP
- 2) How to become ACH (+ ACH contract)
- 3) How to request an access for a point (+ add Access Point in ACH contract)
- 4) How to appoint BRP
- 5) Separate chapter for BRP

## Additional elements on approach for this chapter

- **Delete details** (ex: no detailed timing)

Example : refer to web site/ contracts for administrative steps and procedures

### - Keep important principles:

- Art 154-155: possibility for Elia to suspend BRP contract in certain situations
- Art 173: possibility in ACH contract to interrupt access to grid for security reasons (congestion, lack of capacity...)
- No access to grid if no BRP designated for an access point