

ENCODE

Topic Operational Information Exchange

- Introduction of the topic to Belgian Grid
- Approach in Expert Group

26 September 2016

Brussels

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Why ?

RfG Whereas (21)

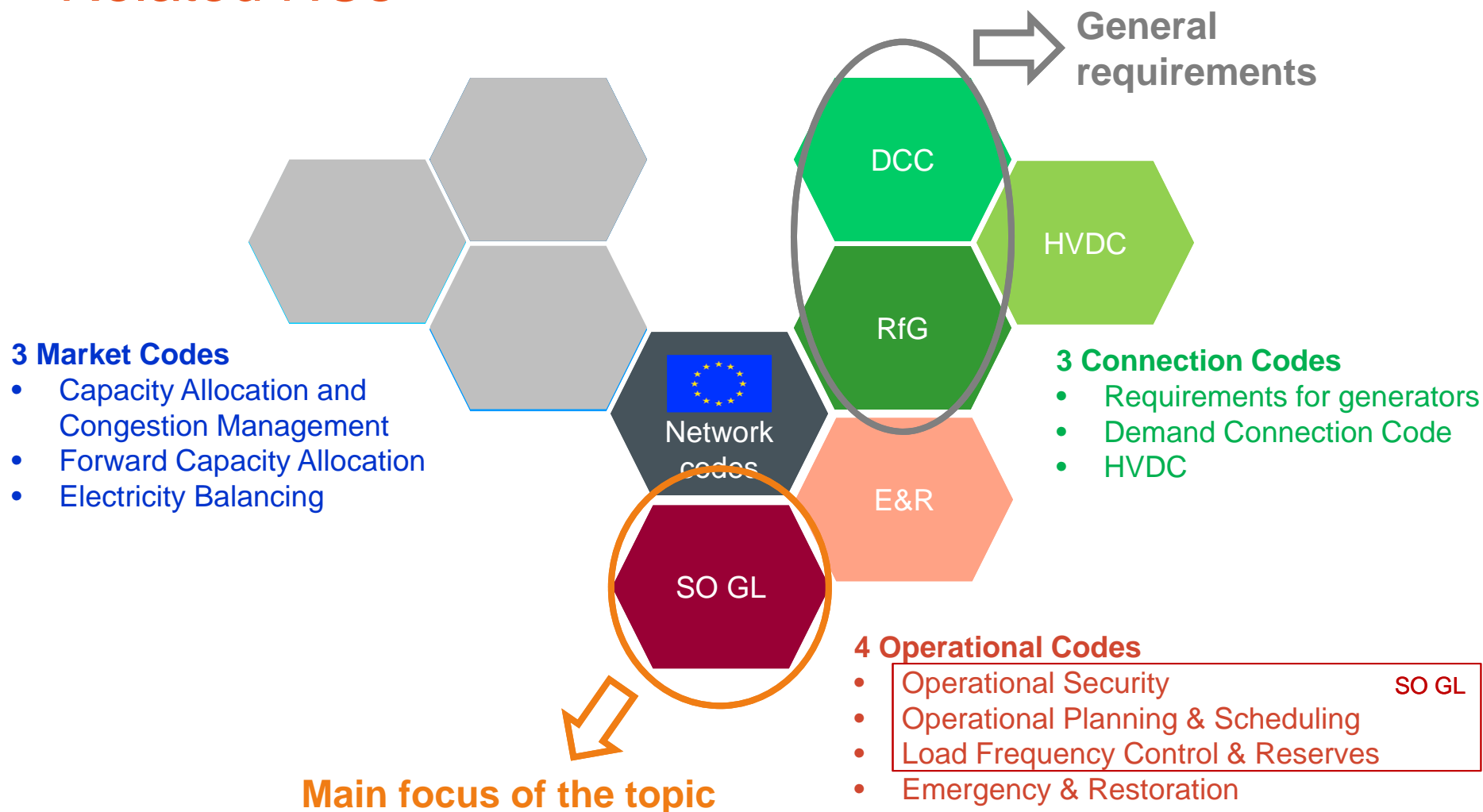
Adequate information exchange between system operators and power-generating facility owners is **a prerequisite for enabling system operators to maintain system stability and security**. System operators need to have a continuous overview of the state of the system, which includes **information on the operating conditions of power-generating modules**, as well as **the possibility to communicate** with them in order to direct operational instructions. RfG whereas (21)

ACER Framework Guidelines establish:

Paragraph 3.1: "... The network code(s) shall set out the procedures and requirements to coordinate and **ensure information sharing** between ... System operator and significant grid user ..."

Paragraph 3.2: "... The network code(s) shall set the requirement for every significant grid user to be able and obliged to **provide the necessary real-time operational information** to the DSO and TSO that their connection has significant impact upon. The network code(s) shall set the requirement for every significant grid user to be able to receive and to execute the instructions sent by the TSO and/or DSO, on a contractual basis or in critical operating state."

Topic Operational Information Exchange Related NCs



Connection codes

General requirements



Art. 18 Information exchange

1. Transmission-connected demand facilities shall be equipped according to the standards specified by the relevant TSO in order to exchange information between the relevant TSO and the transmission-connected demand facility with the specified time stamping. The relevant TSO shall make the specified standards publicly available.
2. Transmission-connected distribution system: idem
3. The relevant TSO shall specify the information exchange standards. The relevant TSO shall make publicly available **the precise list of data required**.

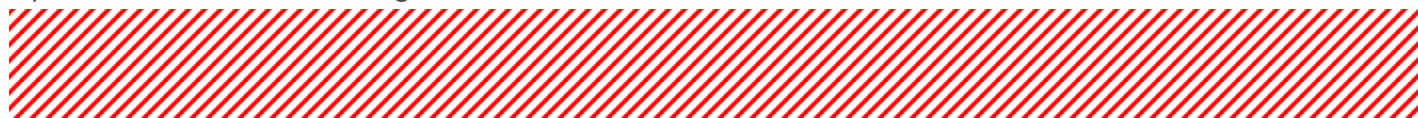


Art. 14.5 (d) Requirements for type B, Type C and Type D power generating modules with regard to information exchange:

- (i) power-generating facilities shall be capable of exchanging information with the relevant system operator or the relevant TSO in real time or periodically with time stamping, as specified by the relevant system operator or the relevant TSO;
- (ii) (ii) the relevant system operator, in coordination with the relevant TSO, shall specify the content of information exchanges including **a precise list of data to be provided by the power-generating facility**.



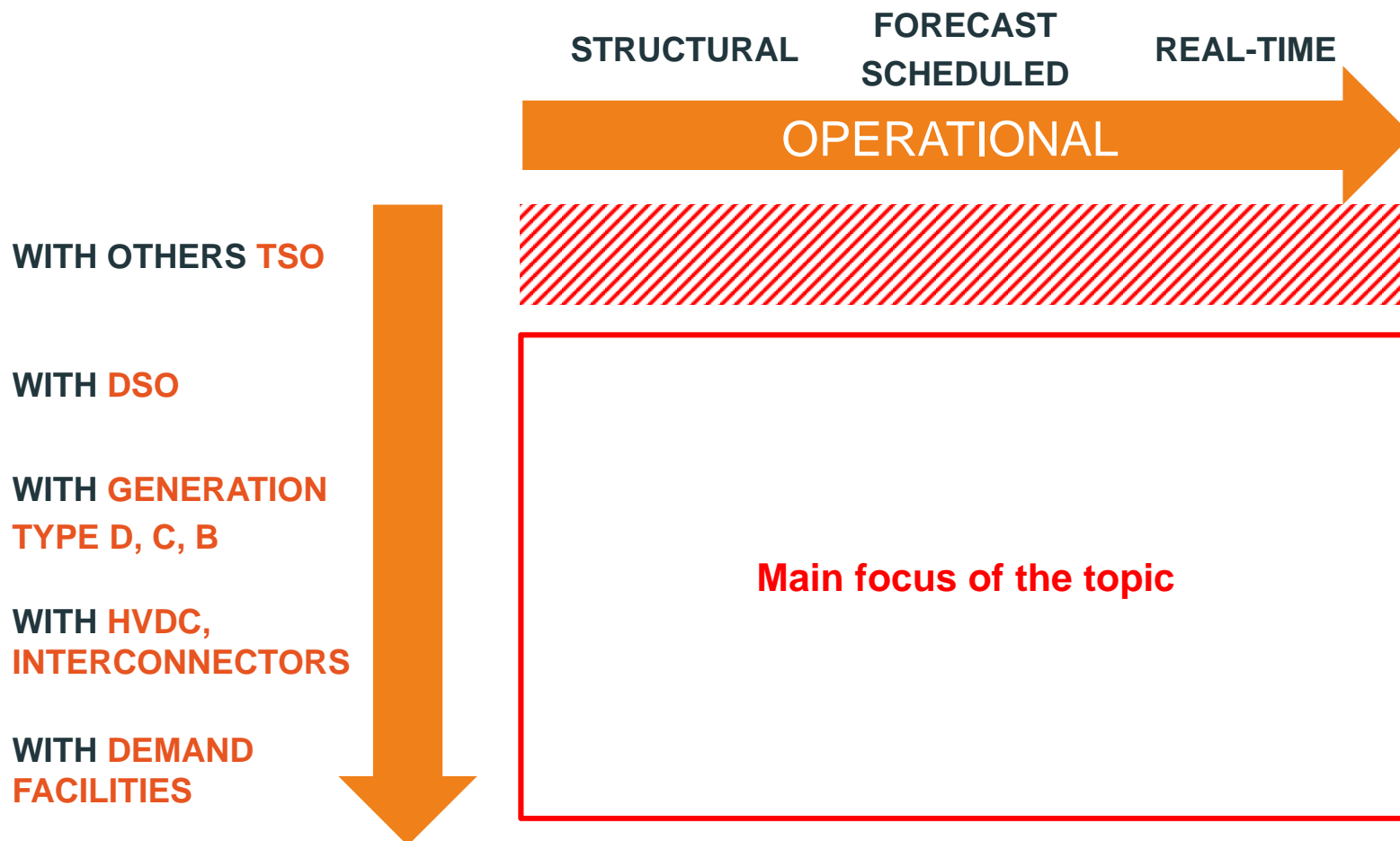
Chapter 4 Information exchange and coordination; Art 49 - 52



System Operation Guidelines

PART II – Title 2 Data exchange, Art. 40 – 53

= List of operational data to be exchanged



Emergency & Restoration

Chapter V, Art. 38



= List of information to be exchanged
in **Emergency, Black-out or Restoration states**

ELIA



(identified) DSO

(identified) SGU

Neighbouring TSOs

Frequency Leader

Transmission Connected DSO

Defense Service Providers

Restoration Service Providers

Proposed approach in Expert Group

1st Experts Group: October 17th

- Gather attention points & motivations of stakeholders on selected articles of SO GL & E&R NC's

2nd Experts Group: November 21st

- First Elia proposal taking into account the input from the stakeholders
- Debate with stakeholders

3rd Experts Group (closing): December 20th

- Consolidation of proposal

Important note:

- Discussion are still on-going within Synergrid CE11 concerning data exchange between DSO & TSO and between SGU connected to DSO grid & systems operators
- Discussion are still necessary between TSO en CDSOs connected to TSO grid