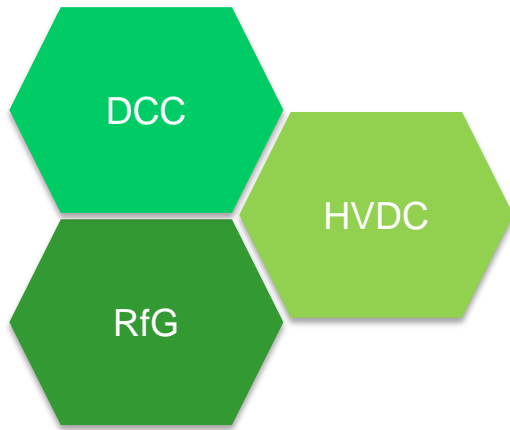


Connection codes: modernisation of connection point

Belgian Grid

Catherine Charlier

Legal context



3 Connection Codes

- Requirements for generators
- Demand Connection Code
- HVDC

Apply only for new ‘systems’

**Not apply to existing ‘systems’
Except in case of:**



**Retro-active effect
with CBA (Cost-
Benefit Analysis)**

**Or in case of substantial
modernisation or
replacement of equipment
impacting the technical
capabilities of the systems**

Extract of Article 4 – DCC:

(i) demand facility owners, DSOs, or CDSOs who intend to undertake the modernisation of a plant or replacement of equipment impacting the technical capabilities of the transmission-connected demand facility, the transmission-connected distribution facility, the distribution system, or the demand unit shall notify their plans to the relevant system operator in advance;

(ii) if the relevant system operator considers that the extent of the modernisation or replacement of equipment is such that a new connection agreement is required, the system operator shall notify the relevant regulatory authority or, where applicable, the Member State; and

(iii) the relevant regulatory authority or, where applicable, the Member State shall decide if the existing connection agreement needs to be revised or a new connection agreement is required and which requirements of this Regulation shall apply; or

Proposal

- DCC & RfG: a lot of **different types** of articles (operational notification procedures, compliance, reactive power management, modelisation...)
- **Difficult in a first stage to define a notion** of modernisation for all articles
- First step – ‘**micro approach**’ :
 - Elia will propose a definition of modernisation **articles by articles and per client types** (transmission-connected facilities, distribution systems, closed distribution systems)
 - This proposal will be discussed in each **relevant technical user group** (where the expertise is)
 - Timing: 10/2016
- Second step: **macro-analysis** in order to determine general guidelines