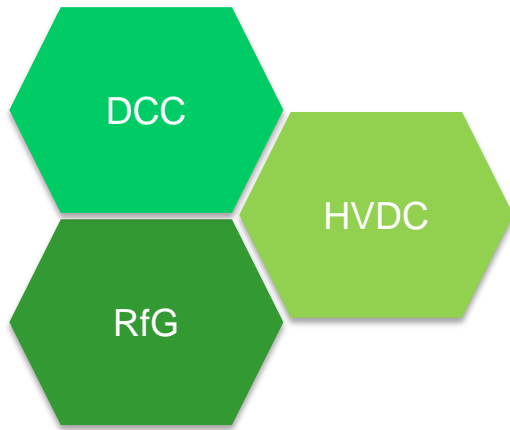


# Connection codes: modernisation of connection point

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