

# Class derogations – General requirements

5 April 2019– WG Belgian Grid

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# Agenda

1. Context
  2. Derogation argumentation
  3. Next steps
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# Context

# Legal context – Requirements for generators

Elia has introduced General requirements in May 2018

SPF Economy : no validation of the General requirements → Federal Grid Code

CREG: no validation of the General requirements

→ Class derogation

Engagement of Elia vis-à-vis du User group

To be approved by the competent regulatory authority

Criteria defined by CREG decision (B)1602 (20/4/2017)

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# Object of the class derogation

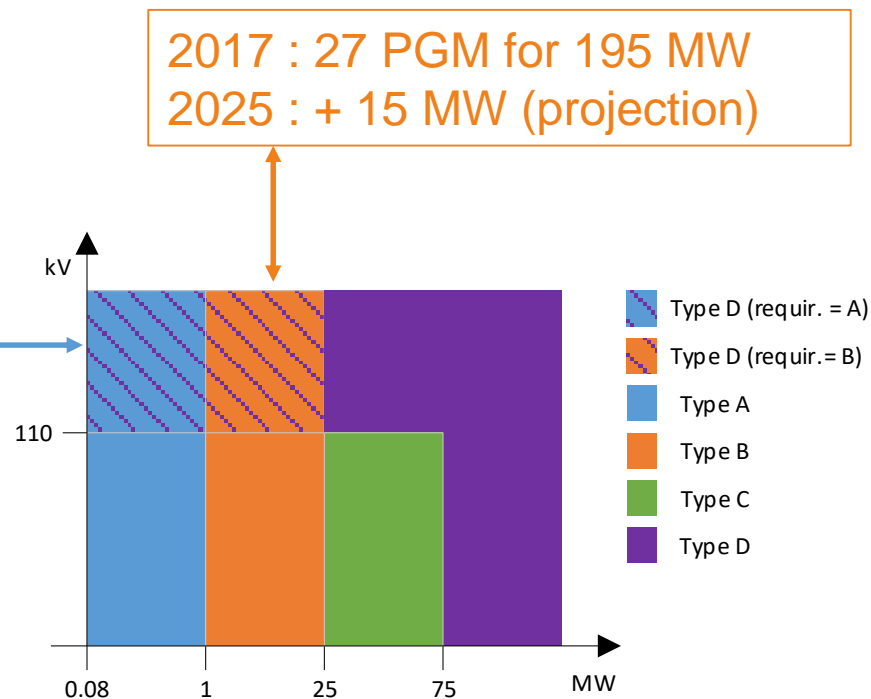
Requirements for type D with following characteristics:

- >110 kV and
- PGM <25 MW

→ To be considered as type A or B

2017 : no PGM known by Elia  
2025 : limited growth foreseen

Limited power  
Limited growth  
→ No significant impact on security of supply is foreseen considering the very limited volume.



# Content

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# Derogation (for 5 years) : which articles

## PGM identification

**PGM type D > 110 kV and < 1 MW → requirements type A :**

General derogation request for requirements type B, C and D

(RfG articles 14, 15, 16, 17, 18, 19, 20, 21, 22, 31, 32, 33, 34, 35, 36, 37 )

**PGM type D > 110 kV and 1 MW < PGM < 25 MW → requirements type B**

General derogation request for requirements type C and D

(RfG articles 15, 16, 18, 19, 21, 22, 33, 34, 35, 36, 37)

# Derogation : which PGMs are concerned

## General statements :

- PGM < 1 MW and PGM < 25 MW : has to be connected on DSO level
- DSO voltage level < 110 kV in Belgium
- 110 kV level depend on Federal regulation
- In theory, no cases may exist in Belgium
- But PGM can be connected next to a large Elia grid user



# Derogation : arguments

## CBA mains arguments :

- **Power volume concerned** by the derogation is very limited, as well as the benefits for the system
- **Fair level playing field** : same requirements for same power units, regardless of the voltage connection level
- **Design and conformity check** : for type A – standards for the suppliers exists, no extra cost. Additional requirements for type D would impose design and verification case by case, at high cost.
- **Extra volume is not needed** for proper system operation, as demonstrated (study Elia May 2016 – impact of short-circuit @380kV busbar)

## Additional arguments :

- Benefits for no-derogation : not visible at the Belgium scale
- In case of evolution of the needs: derogation is limited for 5 y

# Next steps

## 3 steps approach

- 1. Concertation with the CREG**
- 2. April-May : Public consultation by Elia**
  - Elia expects additional input from producers for CBA justification:  
additional cost for voltage regulation on PGM, ...
- 3. May-June : Introduce formal derogation**

Thank you for your attention

