

Aspects linked to aggregation

Patrik Buijs

Aspects linked to aggregation (1/3)

- As in general a level playing field is sought between all technologies (aggregated or not) participating in the CRM, the same principles apply for aggregated portfolios as for individual participation.
 - However, some extra elements need to be arranged when dealing with aggregated portfolios in the CRM as it is for instance also the case in the context of ancillary services.
 - Relevant elements are identified throughout different aspects of the CRM. The ‘governance’ of each element may differ.
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- **The following aspects are addressed (cf. next slide):**
 - **Rules related to the composition of an aggregated portfolio**
 - Link with the “minimum participation threshold”
 - Portfolio size and individual delivery point size
 - Technologies within a portfolio
 - **Derating of an aggregated portfolio and link with availability requirements**
 - **Early elements related to prequalification**
 - **Link with the investment thresholds**

Aspects linked to aggregation (2/3)

- **Composition of an aggregated portfolio**

Related to the size of the portfolio and individual delivery points:

a) Minimum participation threshold (cf. Electricity Law requiring such threshold to be determined by Royal Decree)

Determines the derated capacity...

- ...below which aggregation is required
- ...above which prequalification (for generation assets) is required

b) Maximum installed capacity for an individual delivery point linked to obligation for providing an individual schedule as for these units individual information is deemed relevant for system management (congestion, balancing...) → today in practice 25 MW

- Cf. coherency with the ICAROS framework

c) Maximum portfolio size: proposal 100 MW, cf. the operational limits/impact identified by Elia for the balancing market

Note: If in the energy/balancing market the rules change, (b) and (c) are proposed to change accordingly

Note: A participant to the CRM can of course operate more than 1 portfolio.

Note: A delivery point can participate only once: either individually or in a single portfolio

Related to the technologies in a portfolio:

Elia proposes **no specific rules or constraints related to the technologies** within a single aggregated portfolio

- E.g. DSR, storage and (small-scale) generation can be part of a single portfolio

- **Derating of an aggregated portfolio and link with availability requirements**

- Derating is proposed to be determined as a **declared service level**

- Elia determines ex ante derating factors taking into account different service levels (e.g. x hours energy constraints & y activations/period (day, week,..))
- The aggregator chooses the derating factor that best fits its portfolio

- Availability monitoring and penalties are applied in a similar way as for individual delivery points. Therefore this incentivises the aggregator to meet these service level requirements

Aspects linked to aggregation (3/3)

- **Early elements related to prequalification**

- Already in prequalification, in any case, the aggregator will have to dispose of a clear **mandate/declaration of the grid user** of the delivery point he proposes to include in his portfolio
- As mentioned above, an individual delivery point can only participate in a single portfolio
- Metering requirements: under development

- **Link with investment thresholds** (cf. CREG's proposals)

In case other constraints would be identified related to the configuration of portfolio, they can be accommodated in the above design consideration

- All capacity units in the CMU must respect the investment threshold
- E.g. If there would any technology-constraints per portfolio when opting for multi-year contracts, it could be accommodated.