Overview of Allocation Constraints in SDAC

Allocation constraints: The constraints to be respected during capacity allocation to maintain the transmission system within operational security limits and have not been translated into cross-zonal capacity or that are needed to increase the efficiency of capacity allocation.

The calculation of the allocation constraints is a TSO task, in line with CACM *(COMMISSION REGULATION (EU) 2015/1222 of 24 July 2015, establishing a guideline on capacity allocation and congestion management).*

SDAC – European TSOs allocation constraints overview (2023)

MCSC
Market Coupling Steering Committee

Hourly Flow Ramping on Individual Lines

- NL <-> DK1 (COBRA Cable), limit 700MW
- NO2A <-> NL (NorNed), limit 310MW, losses 3,2%
- NO2A <-> DE/LU (NordLink), limit 600MW, losses 3,1%
- DE/LU <-> DK2 (Kontek), limit 600MW
- SE4 <-> PL (SwePol), limit 600MW
- NO2 <-> DK1A (Skagerrak), limit 450MW, losses 2,9%

- SE4 <-> DE/LU (Baltic Cable), limit 600MW, losses 2,4%
- FI <-> EE (Estlink), limit 600MW
- LT <-> SE4 (NordBalt), limit 600MW
- LT <-> PL (LitPol), limit 600MW
- DK1 <-> DK2 (Storebelt), limit 600MW
- DK1A <-> SE3 (Konti-Skan), limit 600MW

Hourly Flow Ramping Limit on Line Sets

- DK1A_SE3_NO2 (1200MW – Limit is not restricting)
- NO2A <-> NO2 (Virtual area), limit 900MW
- IT <-> AT, IT <-> FR, IT <-> SI
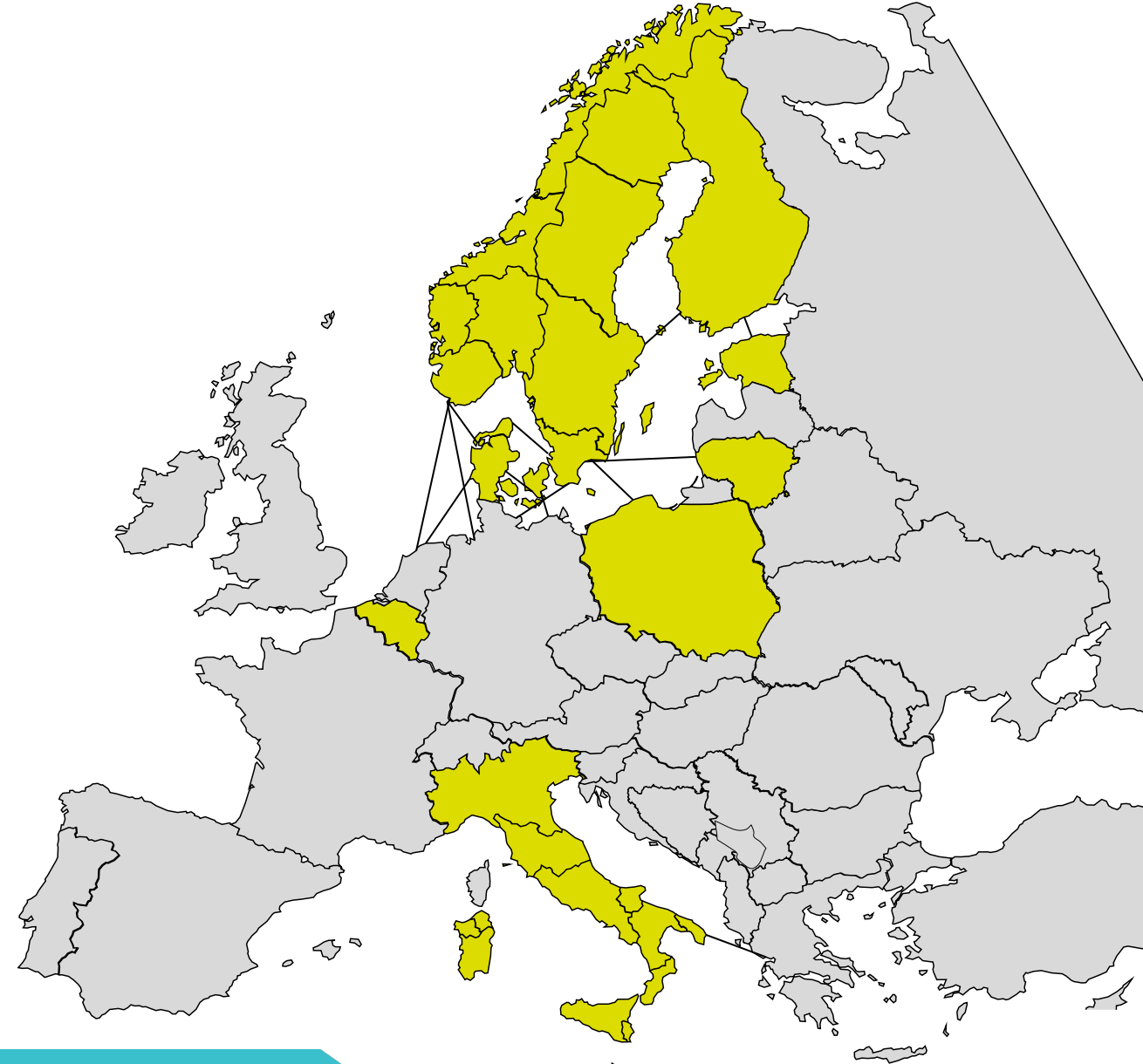
Net Position Allocation Constraints

- BE, PL, IT

Virtual Areas limiting the total of allocation on a set of borders

- Set of NO1 borders (via NO1A-NO1): NO1A <-> NO2, NO1A <-> NO5
- Set of NO2 borders (via NO2A-NO2): NO2A <-> TTN, NO2A <-> TTG
- Set of DK1 borders (via DK1A-DK1): DK1A <-> NO2, DK1A <-> SE3

Line set capacity constraint

- SE3_NO1, SE3_DK1

SDAC

TSOs with allocation Constraints

https://energinet.dk/

https://www.statnett.no/

https://www.svk.se/

https://www.pse.pl/home

https://www.fingrid.fi/

https://elering.ee/en

https://www.litgrid.eu/

https://www.terna.it/en

https://www.elia.be/

https://balticcable.com/

Operational data on allocation constraints is centrally available via the ENTSO-E Transparency website

Cross Border Capacity of DC Links - Ramping Restrictions