

# ECP and electronic ordering

14.09.2021 / NBM stakeholder reference group meeting

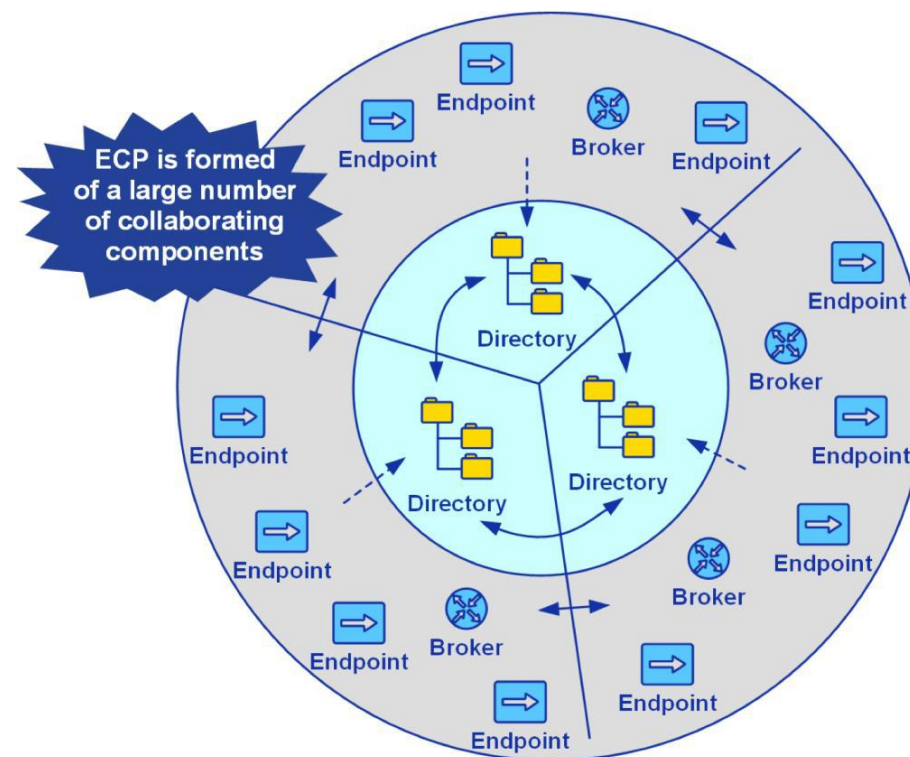
Anders Naville Gisnås (NBM Blueprint design), Morten Simonsen (NBM)

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# Energy communication platform (ECP)

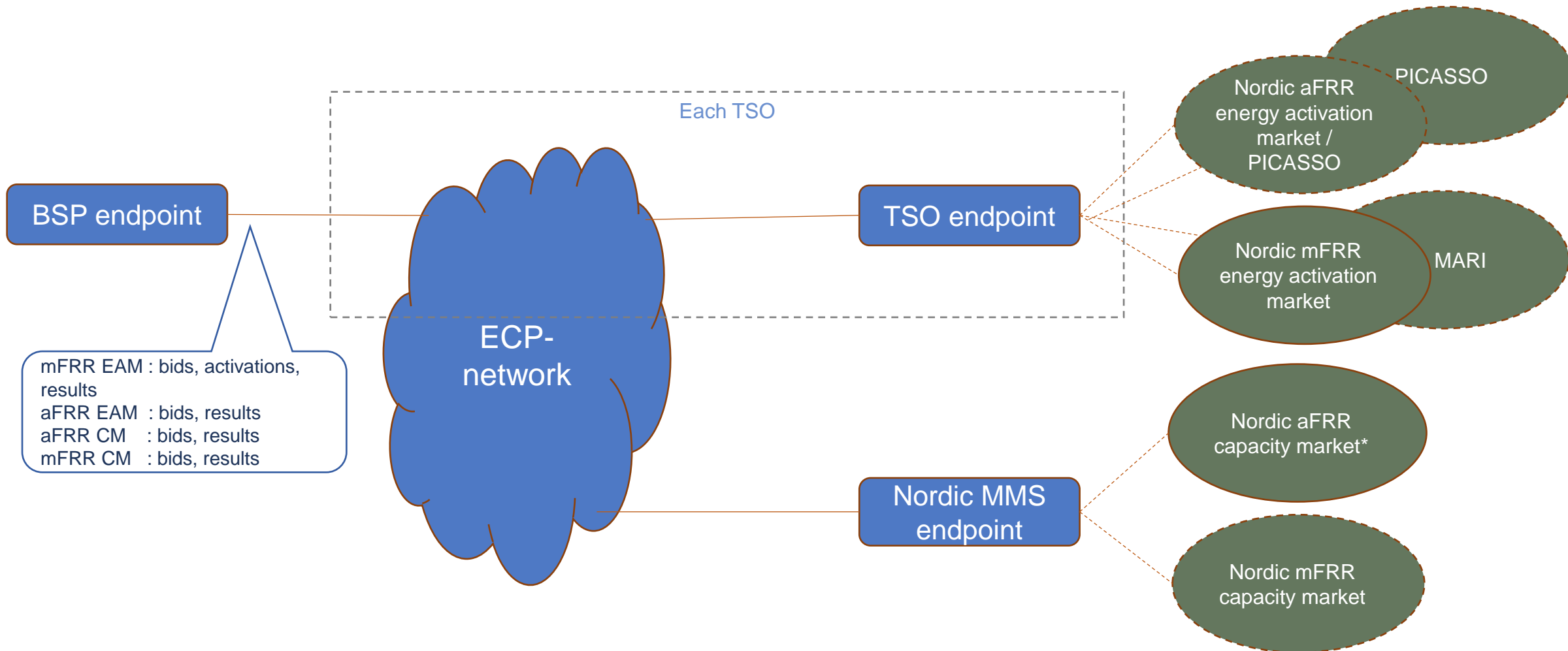
- Developed by ENTSO-E for use by TSOs and market participants
- Built-in security with digital certificates (PKI)
- Closed network, only approved and registered parties can communicate



# ECP operation and support

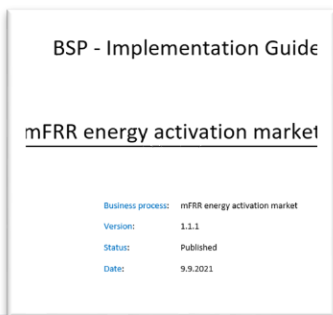
- BSPs are responsible for managing and operating the BSP endpoint.
- Each TSO is responsible for operation of ECP core components as well as supporting their BSPs.
  - TSOs have second-level support from the ECP vendor (Unicorn).
- NEX, the Nordic ECP/EDX group, governs ECP on a Nordic level. Each TSO participates. Cooperation on a technical level.
- NEX representatives participate in ENTSO-E CSSg which is the product owner of ECP.

# Use of ECP in NBM

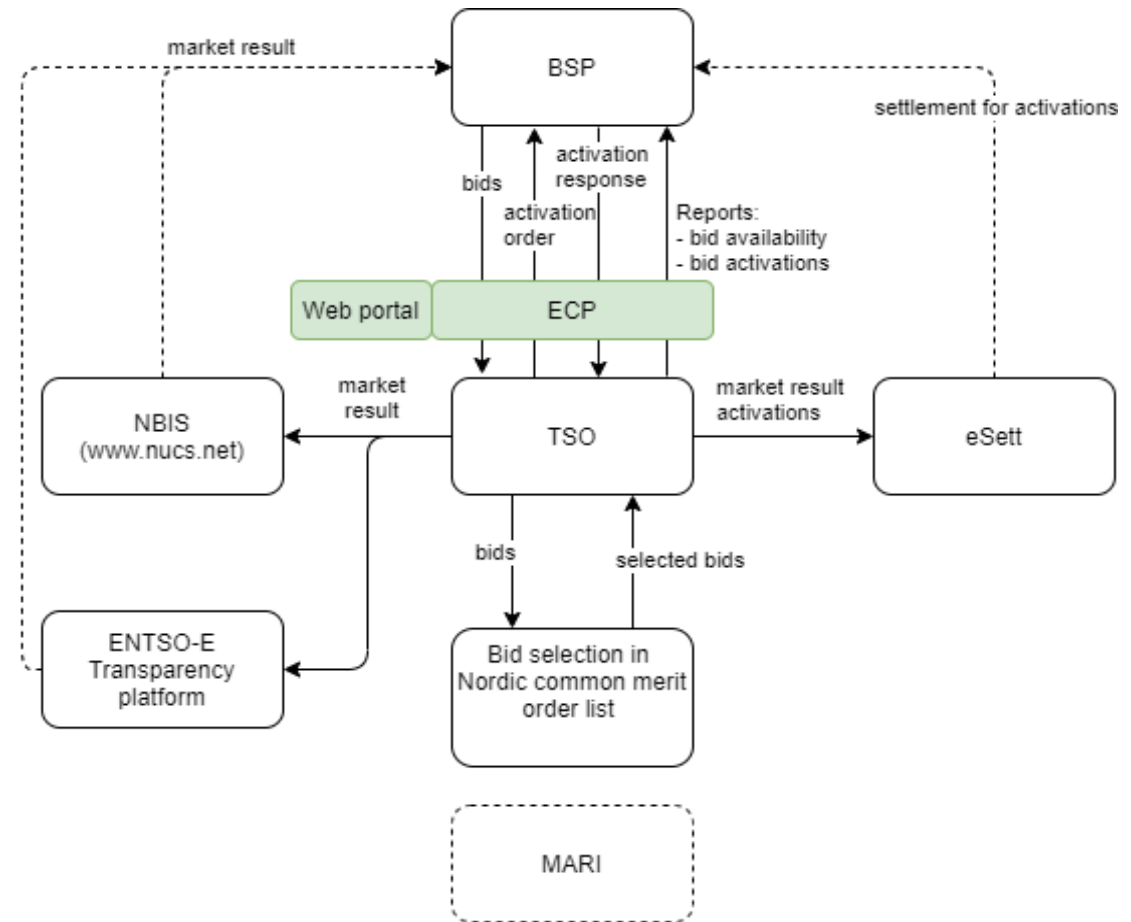


# mFRR energy activation market

- All messages over ECP
  - Bids
  - Activations
  - Reports
- CIM XML message format
- See implementation guide

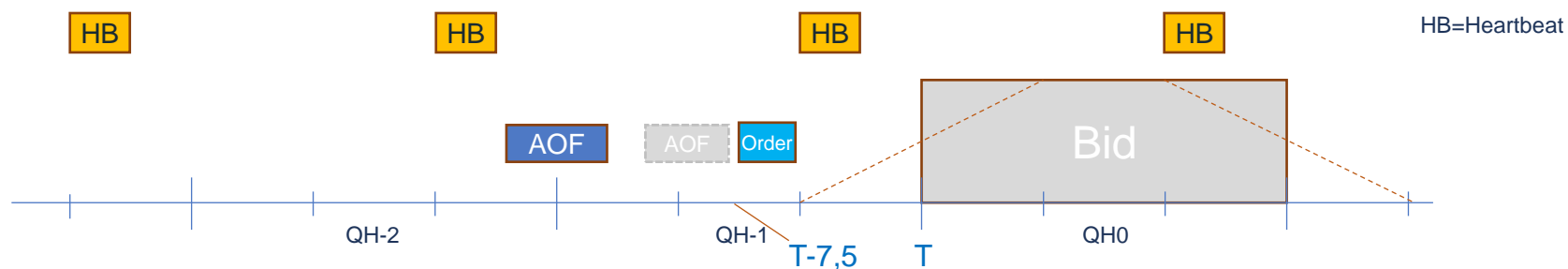


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# Electronic ordering of mFRR activation

- Automation of the mFRR balancing process relies on an automated and reliable activation process with electronic ordering
- Support for electronic ordering over ECP is required to participate in the mFRR markets
- Regular heartbeats to better monitor the availability of the activation process



# Thank you for your attention! Questions?

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Contact: [anders.gisnas\(at\)statnett.no](mailto:anders.gisnas@statnett.no) or [morten.simonsen\(at\)statnett.no](mailto:morten.simonsen@statnett.no)