



Markkinatoimikunta 7.6.2018

aFRR exchange pilot between Finland and Estonia

FINGRID

Common vision

- Goal
 - enable aFRR exchange between Finland and Estonia
 - enable Estonian BSP-s to join aFRR market
- Technical
 - Proof of concept pilot project, no investments foreseen by TSOs
 - Estlink 1 needs to be controlled with aFRR activation signal
- Market:
 - Capacity will be procured in hourly market for aFRR procurement hours
 - Current aFRR product: minimum bid 5 MW, Full activation time 2 min
 - No capacity reservation, counter trade is used to free capacity if needed
 - Energy and capacity payments will be added to TSO-TSO settlement

Status and next steps

- Initial discussions on market design and technical solution during spring 2018
- Working out technical solution – **in progress**
 - Set up communication between SCADA systems
 - Changes in Estlink 1 control logic in SCADA-s
 - Validate the technical solution - stress test SCADA systems and Estlink 1
- Implementation plan (if technical solution is validated)
 - Internal goal is set for end of 2018
- Announcement of beginning of the pilot



Thank You for Your attention!

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The logo for Fingrid, consisting of the word "FINGRID" in a bold, red, sans-serif font. The background of the slide features a photograph of high-voltage power lines and pylons against a clear sky, with a light blue and white geometric design at the bottom left.