



Fellesmøte for Den norske komite for CIGRE

Onsdag 09.04.2025 - kl 09.30 – 15.00

Rapport fra SC C2 – System operation and control

Tom Tellefsen (Statnett)



Rapport om status for SC C2

- Overtok C2 etter Gerrard Doorman i 2024
- Ingen C2 møter siden Paris -24 (ett avlyst)
- Møtes i Trondheim i mai

Hovedområder i C2:

- Real time System Operation and Control
- System Operational Planning and Performance Analysis
- Control Centre Infrastructure and Human Resources for System Operation
- Joint Working Groups

Rapport om status for SC C2

- WG C2.18 Wide area monitoring protection and control systems-
decision support for system operators
- WG C2.44 Operational strategies to manage power system
minimums
- WG C2.45 Estimation, evaluation and provision of power system
inertia in networks with high share of renewable generation
- WG C2.42 The impact of growing use of machine learning....
- JWG C2/B4.43 The impact of offshore wind power hybrid AC/DC
connections on system operations and system design
- JWG C2/B5.46 System integrity protection schemes and n-1 criteria
- JWG C2/C5.06 The impact of market interventions by system
operators during emergency situations

Publications 2024/2025



- Published Technical Brochures
 - TB 925 - Operator Training in Electricity Grids at Different Control Levels and for Different Participants/Actors in the New Environment (WG C2.39)
 - TB 936 - Enhanced Information and Data Exchange to Enable Future TSO-DSO Coordination and Interoperability (JWG D2/C2.48)

- Tutorials & Webinars
 - Tutorial - C2.39 - Operator Training in Electricity Grids at Different Control Levels and for Different Participants/Actors in the New Environment – July 16th 2024 (webinar)

 - Tutorial - C2/C5.06 - The Impact of Electricity Market Interventions by System Operators during Emergency Situations – TBD (webinar)

 - Tutorial - C2.42 - The impact of the growing use of AI/ML for power system operations from an operational perspective – November 19th 2024 – RTE headquarters – Paris – France / Teams (hybrid)

Kommer, JWG C4/C2.62 Review of Advancements in Synchrophasor Measurement Applications

Hva er spesielt viktig for Norge?



- FoU og utviklingsaktivitet i ENTSO-E og Statnett på mange av de samme områdene som i C2
- Stabilitetsutfordringer og håndteringen av disse