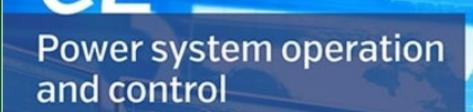
ATC Seminar 2019

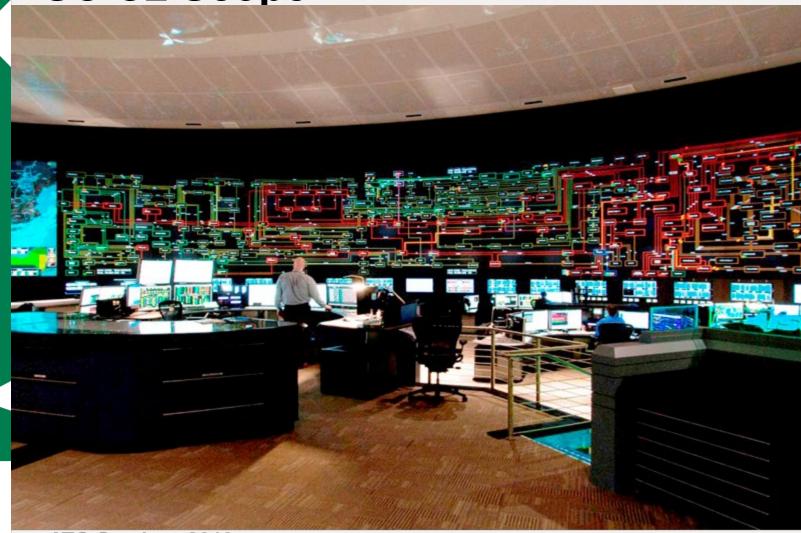


APR A

Presented by Greg Hesse - Convener Brisbane – 21 November 2019



SC C2 Scope



 Technical, human resource and institutional

aspects and conditions for

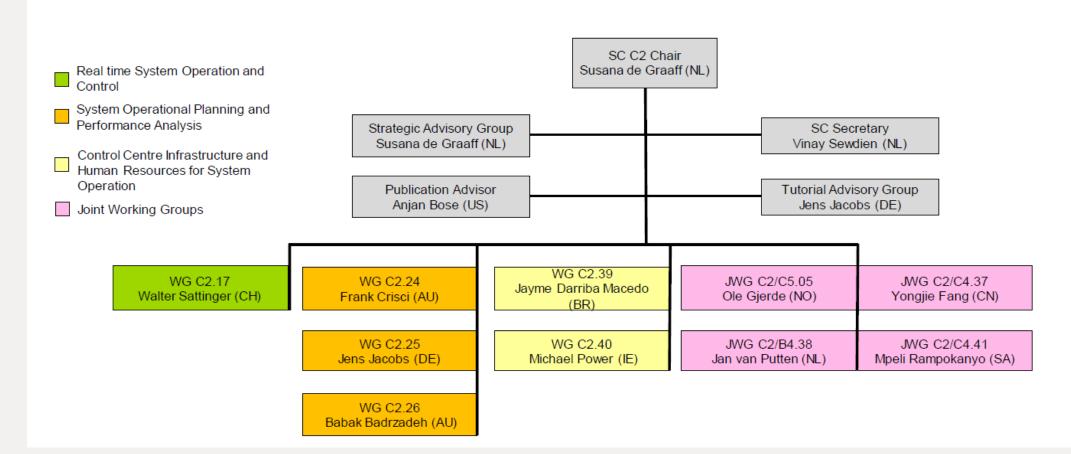
 Secure and economic operation of power systems

while protecting against

 System disintegration, equipment damage and human injuries



Structure of C2





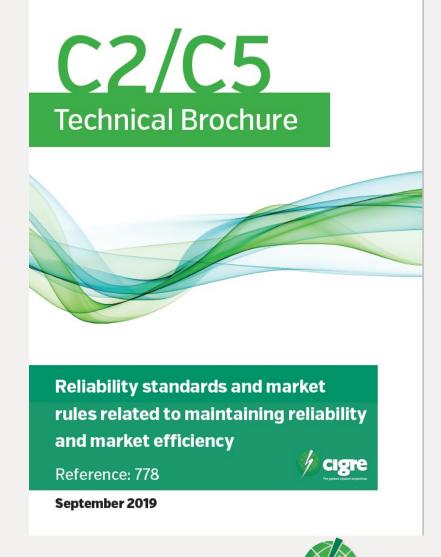
2019 Activities Publications

TB742 - A proposed framework for coordinated power system stability control (Joint with SC C4)

TB778 - Reliability standards and market rules related to maintaining reliability and market efficiency (Joint with SC C5)

CSE13 - Icelandic operational experience of synchrophasor-based fast frequency response and islanding defence

CSE14 - System operation and control, power system restoration – World practices & future trends





Aalborg Symposium – "Going Offshore"

SC C2 hosted four paper sessions

- Assessment and study tools for system operation
- Operation of hybrid and low inertia power systems
- Support from VSC HVDC for system operation
- Frequency support from power electronic interfaced devices

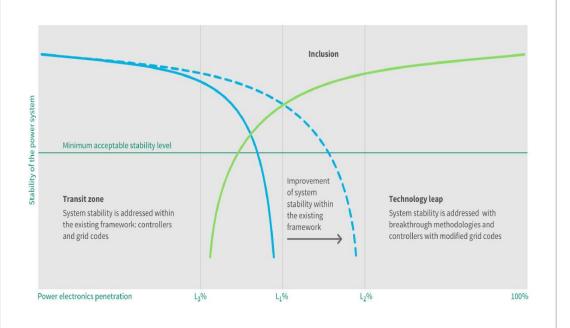




Aalborg Symposium – key insight

MIGRATE

OVERARCHING GOAL



MIGRATE - Project description

6

MIGRATE - Project description

ATC Seminar 2019



Cigre For power system expertise

8

MIGRATE

SC C2 – Relevance for Australia / Paris 2020

Secure operation of power systems with high penetration of PE devices

- PS1 Capabilities required for future power system operation
- PS2 System operation interfaces: improving observability and controllability

Harnessing new technologies and DER to improve power system operations

PS3 – System operation challenges with increasing use of distributed energy resources



