

# Work program

# TC8X WG03

---

ALBERTO CERRETTI (ENEL)

THOMAS SCHAUPP (TRANSNETBW)

PRESENTED TO 32ND GRID CONNECTION EUROPEAN STAKEHOLDER  
COMMITTEE MEETING

# AGENDA

- EN 50549-1 and -2
- EN 50549-10 Tests for conformity assessment of generating units
- EN 50549-20 Definitions and tests of the electrical characteristics of grid-forming generating and storage units
- New Projects

# Status of EN 50549-1 and -2

---

Requirements for generating plants to be connected in parallel with distribution networks - Part 1 (2): Connection to a LV (MV) distribution network - Generating plants up to and including Type B

- Amendment 1 Published in October 2023
- Major Changes
  - Immunity to phase jump added
  - Results of BfTA included
    - UVRT requirement for Type A required (including post fault active power recovery)
    - Active power controllability
  - Reference to EN 50549-10 included, but other equivalent testing standards may be applicable as well.

# Status of EN 50549-10

---

Requirements for generating plants to be connected in parallel with distribution networks - Part 10: Tests for conformity assessment of generating units

- Published in October 2022.
- Large number of comments received on the public enquiry were not integrated in the publication
- Development of ED2 to include these comments has been decided by TC8X on Nov 24<sup>th</sup>.
  - The technical discussion is already very far.

# Status of prTS EN 50549-20

---

Requirements for generating plants to be connected in parallel with distribution networks - Part 20: Definitions and tests of the electrical characteristics of grid-forming generating and storage units

- NWIP on the TS agreed by CENELEC Technical Board (BT)
- Work already started
- High interest with Stakeholders and NCs
- First TC8X internal working draft is expected within April 2024

# New Projects

---

- NWIP on a TS on Self-Regulation of Dispatchable Loads
  - Introduced in view of DCC 2.0 including LFSM-U for specific loads
  - Will be based on an existing IEC document focused on microGrids
  - A new work item will be officially started by TC8X
  
- NWIP on Tests for conformity assessment of larger generating units (Type C and D) including grid support functions of RfG
  
- Currently -10 only covers grid support functions as required for Type A and B generating units
  - Functions required from Type C and D units need further test definition
  - Relationship to existing 61400 Series for wind turbines must be handled
  - NWIP is prepared by a TC8X member and will be discussed then.

# Conclusion

---

**Thank you for your attention.**