



EUROPEAN COMMITTEE  
FOR ELECTROTECHNICAL STANDARDIZATION

## **CENELEC TC8X UPDATES**

**A. Cerretti**  
**T. Schaupp**

29 th Grid Connection European Stakeholder Committee meeting (GC ESC)

Wednesday, 16th March 2023, online meeting

# 50549-1 & 2

STATUS AND NEXT STEPS

- ▶ AMDs text was prepared including URGENT & MINOR comments
- ▶ TC8X Secretary sent the defined text to CENELEC publication office on 2023-03-02
- ▶ Final editorial adjustments on figures are currently on course
- ▶ CENELEC INQUIRY, expected by March 2023, is therefore on time

# 50549-10

## STATUS AND NEXT STEPS

- ▶ EN 50549-10 Ed. 1 is available from 2022-10-28
- ▶ Technical comments to be included in ED2 have been all already discussed except for 3 comments which will be solved after the preliminary report of HCF, to have the complete alignment between Ed.2 draft and the EG conclusions
- ▶ A WG03 meeting will be scheduled in April to examine the reports on ACPPM and HCF

# ESG-GC-EGs

STATUS AND NEXT STEPS

- ▶ WG03 is actively support HCF and, heavily, in ACPPM
- ▶ During TC8X plenary meeting (2022-11-18) the opportunity to start standardization activity regarding GFCs was discussed
- ▶ WG03 shared position regarding possible impacts at present time of Grid forming inverters on DSO grids are:
  - ▶ Protection strategies and operation solutions not mature enough and detailed evaluations not yet completed to allow a simple, safe and cost effective massive generalized introduction of Grid Forming inverters on MV and LV distribution networks of each EU Country
  - ▶ Grid-forming inverters , on the other hand, could be immediately connected to the HV/MV busbars (HV or MV through dedicated feeders) avoiding unwanted impact on the DSO grid.

- ▶ In addition, WG03 representatives agree that:
  - ▶ further Standardization is needed as Grid-forming functionalities are not yet defined in detail such to allow an immediate implementation.
  - ▶ grid-forming features and functionalities should be defined in detail at the European level, allowing Manufacturers to develop and test a limited number of products and for each RSO to be able to perform verified simulations.



- ▶ To speed up the additional needed Standardization and to further support Grid-forming definition, WG03 defined and proposed a NWIP to TC8X
- ▶ A questionnaire was prepared from TC8X Secretary and sent to NCs, voting expiring is 2023-03-24
- ▶ TC8X\_Sec0196\_Q
  - ▶ Do you support the creation of a new Work Item in the committee's work programme .... titled "CLC/TS 50549-20 - Requirements for generating plants to be connected in parallel with electrical networks - Part 20: Definitions and tests of the electrical characteristics of grid-forming generating and storage units" as technical specification ?
  - ▶ Do you support WG03 as drafting body and Mr. Roland Singer as project leader?
  - ▶ ....