Brief status on CENELEC standard related to Connection Network Code

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1 Status on NC/GL development

2 Progress on CENELEC standards

3 ENTSO-E objectives

1 – Status on NC / GL development

EU network codes & guidelines – current status

Connection codes:

- NC RfG – status: EU regulation, 2016/631 of 14 Apr 2016, entry into force by 17th May 2016
- NC DCC – status: EU regulation, 2016/1388 of 17 Aug 2016, entry into force by 7th Sep 2016
- NC HVDC – status: EU regulation, 2016/1447 of 26 Aug 2016, entry into force by 28th Sep 2016

Operational guidelines & codes:

- SO GL - status: Voted positively at the ECBC meeting May 4th, 2016. Scrutiny phase, approval expected by EU parliament May 2017
- NC ER - status: Voted positively at the ECBC meeting Oct 24th , 2016. Scrutiny phase, approval expected by EU parliament May 2017

Market guidelines & codes:

- CACM GL – status: EU regulation 2015/1222 of 24 July 2015, in force: Aug 2015
- GL EB – status: Comitology phase, approval expected by ECBC Q1, 2016
- NC FCA - status: EU regulation, 2016/1719 of 26 Sep 2016, entry into force by 17th Oct 2016

3 – Progress on related CENELEC standards

CLC/EN 50438-1:2015 - Requirements for micro-generating plants to be connected in parallel with public low-voltage distribution networks

- EN proposed to be discontinued and the non overlapping requirements to be merged into CLC/TS 50549-1
- TC8X decided in Oct to include/ coordinate content of EN504238 with the revision of CLC/TS 50549-1:2015
- The revised document has been commented by ENTSO-E.

CLC/TS 50549-1:2015 - Requirements for generating plants to be connected in parallel with distribution networks - Part 1: Connection to a LV distribution network above 16 A

- Revision proposed for implementation – still in discussion in the TC8X WG03 task force
- New revision for voting is foreseen Q1, 2017
- A annex with the overview of matching between NC's and the proposed specifications is in preparation
- Some national committees proposed for CENELEC TC8X to keep the status as a CLC/TS as long as deviations between the NC's requirements and the proposed specification still exist and until the implementation of the NC RfG has been performed. Others currently may abstain from voting.
- The revised document has been commented by ENTSO-E.

3 – Progress on related CENELEC standards

CLC/TS 50549-2:2015 - Requirements for generating plants to be connected in parallel with distribution networks - Part 2: Connection to a MV distribution network

- Revision proposed for implementation – still in discussion in the TC8X WG03 task force
- New revision for voting is foreseen Q1, 2017
- A annex with the overview of matching between NC's and the proposed specifications is in preparation
- Some national committees proposed for CENELEC TC8X to keep the status as a CLC/TS as long as deviations between the NC's requirements and the proposed specification still exist and until the implementation of the NC RfG has been performed. Others currently may abstain from voting.
- The revised document has been commented by ENTSO-E.

CLC/TS 50549-10 - Requirements for generating plants to be connected in parallel with distribution networks - Part 10: Tests demonstrating compliance of units

- Proposed as a new working item proposal – approved by TC8X and is now in implementation in TC8X WG03
- First edition could be foreseen mid 2017
- Some national committees proposed for CENELEC TC8X to keep the status as a CLC/TS until the implementation of the NC RfG has been performed. Others currently may abstain from voting.

3 – Progress on related CENELEC standards

ENTSO- E / CENELEC HVDC workshop

- A joint workshop on HVDC systems have been performed on Sep 7th, 2016
- All relevant standards was discussed and the impact on the current available standard were highlighted
- Decision to be made by TC8X has been postponed in order to revise the proposed NWI's

CLC/TR 50609:2014 Technical Guidelines for Radial HVDC Networks

- Technical report is proposed to be reviewed in 2017 by the CLC/TC 8X / WG 06 System Aspects of HVDC Grids
- Decision on revision to be made by the TC8X management board following an NWI for revision - postponed
- Based on the workshop the NWI content have been revised a new NWI will be circulated for comments

Guideline and Parameter Lists for Functional Specifications for HVDC Grid Systems

- A technical report structure is proposed by the CLC/TC 8X / WG06 System Aspects of HVDC Grids
  - Part1: Concepts and Guidelines
  - Part 2: Operating Conditions and Performance Requirements
- Decision to be made by the TC8X management board following an NWI for development- postponed
- Based on the workshop the NWI content have been revised a new NWI will be circulated for comments

4 – ENTSO-E objectives

ENTSO-E group objectives - in brief terms

- Continue the matching process on NC requirements with related standards, technical specifications, reports etc.
- Supporting / pushing / proposing the standardization institutions to develop standards of relevance for the European Network Codes and Guidelines.
- Motivate / support members of the ENTSO-E organisation in attending the standardization activities.

Question and answers


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