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INTERNATIONAL ELECTROTECHNICAL COMMISSION

TECHNICAL COMMITTEE 38: Instrument Transformers

SUBJECT: MoM of TC38 CAG Webmeeting 2020 12 2&9 – Unconfirmed draft

Wednesday, December 2nd, 2020

1. **Presentation of collaborative tool for standard development (Pierre-André)**
See presentation from Pierre-André. This tool is in testing phase by IEC. It is intended to be put into operation on voluntary basis at the beginning of 2023. It is a shared tool to jointly write standards and it is required to be online when editing. Is skipping and manual numbering of clauses supported? Modifications can be seen by the concerned group. They can be accepted or rejected by the editor responsible for the document. Available tools comparable to Word tools (cross referencing, management of references, etc.).
Conclusion: A new way to work...
2. **Actions to be taken further to presentation of IEC 61850-1-2 by Laurent Guise**
New roles identified: Model manager and implementation of a procedure. Updating procedures could be put into way (both ways). Volker to ask Roman whether he would be willing to continue as liaison and make regular updates (**action Volker**). Systematically reserve a slot for this subject in WG37 meetings (**action Veselin**).
3. **Resolution of inconsistency of part -9 with IEC 61859-9-2 ed2.1**
Volker indicates exchanges related to time synchronisation in TC95/WG2. TC57 is elaborating recommendations for time synchronisation. The opportunity to create a TF on time synchronisation across committees TC38 / TC57 / TC95 is discussed. Volker to try to set up a coordination between TC on this subject (**action Volker**). Revision of part 9 could be circulated as NP proposal covering both the update to part 1ed2 and the time synchronisation issues. Also, synchronisation with parts 7, 8 and 13 will be required. The course of action for part 9 will be defined at a later point in time on this base. Filippo indicates that there is no other demand for modification for part 9.
Another issue is discussed in this context: part 7 and 8 point to part 1 ed2. Pierre-André is elaborating CD5 (mi-2021), CDV and FDIS 2022 with publication probable in 2023.
If part 7 and 8 is to be published without delay, then it has to refer to part 1 ed2. It is this preferable to keep part 1 ed1 and part 6 as reference for the first publication of parts 7 and 8. **This way of action will be implemented.**
4. **ISH EN 61869-2 cosfi**
TC38 has received a demand to define in a more precise way the burden of TC. Filippo proposes to prepare a simple interpretation sheet with the format of Q/A (**Action Filippo**). ISH needs to be circulated and approved by P-members. This will have to be clarified in a new edition of part 2.
5. **Possible subjects to be investigated Collaboration with CIGRE A3** (Paolo)
In the progress report of WG47, Paolo indicated the following subjects for a possible subjects to be addressed by A3.
 - PMU and synchrophasor application (discussion with CIRGE)

- Protection applications
- On-site accuracy tests
- Impact of aging on IT

Paolo indicates that the chair of A3 asks Paolo and Lorenzo to propose subjects (TOR) for a new WG or JWG of CIGRE A3. Input expected for March of 2021 to propose TOR for a WG. This is also based on the presentation which Lorenzo gave in the CIGRE 2020 session on LPIT.

Lorenzo indicates that he does investigation on the use of PMU for the on-line verification of the accuracy of Instrument Transformers. A3 also is interested in multiple influence quantities.

There are no other subjects identified in the discussion of the CAG. Lorenzo and Paolo will liaise with A3 and give feedback to TC38 on the WG with will be set.

6. TC38 Plenary Meeting 2021

No final decision regarding the plenary meeting can be taken. TC38 will plan for a plenary meeting for September of October 2021, which will be held physically if possible and virtually else.

Some decisions need to be taken before, e.g. liaison members. This concerns liaison with TC17C (change of activity of Ivano Gentilini). The name of Peter Menke is mentioned by Joachim. It has to be verified whether Peter Menke is willing to take this role. TC14: Flavio volunteers for this (**action Filippo**).

Outgoing TC38 Liaisons for CIGRE A3 and B5 need to be updated. Existence of liaison with B3 needs to be checked. (**action Filippo**).

7. Next meetings of CAG

Doodle enquiry to be made for CAG meeting in January (**action Volker**). The agenda will include the review of comments for part 1 and part 99.

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8. European Standardisation Call EURAMET 2021

A proposal from Mario Luiso for a project is discussed. This project is intended to start in 2022 and covers MT Instrument Transformers performance for frequencies between 9 kHz and 150 kHz to cover HF due to converters and power electronic load. Benoit confirms that this frequency scope corresponds to the extended harmonic range used in Power Quality applications ("supra harmonics"). Lorenzo indicates that pollution in this frequency range interferes with High Frequency Line Carrier Communication often used in LV and MV. The proposed frequency scope is not adapted to Travelling Waves, but those are more concerning applications used with HV Instrument Transformers. The discussion also shows that it would be interesting to extended the scope to cover also LV. The updated version of this document is attached.

The title should indicate that the aim is characterisation of IT in this frequency range. TC38 standards would benefit from this project as they are lacking technical requirements and test requirements in this frequency range. **Decision:** TC38 is supporting this project.

9. Review of comments of part 8

- #16: Based on the discussion in CAG of December, 2nd, part 8 will be based on IEC 61869-1 ed1 and IEC 61869-6 ed1.
- #69: Discussion about the preferred values of kalf: should we align to R10 values and use 63 (also in line with circuit breaker standard ? There is no conclusion found in the CAG meeting, several aspects have to be taken into account. The subject is turned back to the WG and the comment resolution should state this.

It was not possible to finish the review of comments on part 8 in the reserved time slot. An additional slot is scheduled for January, 13, 2021 in addition to the CAG slots to be defined for review of parts 1 and 99 at the beginning of 2021.