

Part in IEC/IEEE 62582 on insulation
resistance measurements, especially
applicable during simulated DBE. Preparation
of NWIP/PAR

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Is there a need?

- Specific requirements for IR measurements during DBE

The main issue is the limitation of time distance between consecutive measurements needed in order to catch the lowest IR value during the dynamic part of the DBE simulation.

- Where are the presently used methods for IR measurements during DBE taken from. Own developed methods? Literature? Standards? Combination?

Since there is no applicable standard, the laboratories use their own developed method. This was confirmed by participants in the meeting.

- Shall we go further in development of a joint logo standard on the subject.

It was agreed that there is a need for a development of a standard on IR measurements, applicable to measurements during DBE simulation. It was noted that such a standard is within the scope of IEC/IEEE 62582

Some important technical questions

- Scope and application area.

It was agreed to aim at a standard applicable to cables with accessories (contacts, splices, ...).

- Shall we exclude current load when the measurements are made? Do we need also to develop methods for measurements on cables with nominal load?

In addition to measurement on cables without current load, also measurements on cables with nominal current load should be considered.

- What is the shortest duration dip of IR we have to detect (from experience)

Shall be further discussed. (What is feasible with the techniques used to-day?)

- Shall we define the resolution requirement (10 kohm?)

A recommendation should be included

Activities and scheme for development of NWIP/PAR

- Establishment of a small preparatory group

A first draft or strawman will be produced by a few experts before the WIP and PAR are put together. Robert Konnek and Bernd Komanschek will assist the project leader with this.

- Scheme

A meeting with the small expert group will be arranged somewhere in Europe in spring 2015 for the preparation of the draft and the content of the WIP. This will be circulated to the project team to give them an opportunity to review it before a final WIP is sent by the project leader the secretary of SC45A. A proposal for a PAR will be distributed to the members of IEEE SC-2 before their spring meeting.