

22NRM06 ADMIT

Characterization of AC and DC MV Instruments transformers in extended frequency range up to 150 kHz

Objectives

The objective of this project is to perform the research necessary to the standardization of the calibration and the characterization of instrument transformers up to 150 kHz. In particular:

1. To investigate metrological methods and procedures to evaluate the accuracy of instrument transformers.
2. To develop the traceable calibration of instrument transformers up to 150 kHz by developing new reference measuring systems.
3. To develop instrumentation to generate AC/DC voltage up to 36 kV and AC/DC current up to 2 kA with superimposed spectral content up to 150 kHz.
4. To contribute to the revision of standards.