

Project name: MOBILE LABORATORY FOR PERIODIC METROLOGICAL VERIFICATION OF POWER TRANSFORMER MONITORING EQUIPMENT.

Project class: Module IV – Projects for developing the conformity assessment and certification infrastructure

Phase no.: 01

Phase name: Study and analysis regarding the achievement of the mobile laboratory for periodic metrological verification of power transformer monitoring equipment.

Planned objectives and got results:

Activity 1.1 *Identification of the main working documents and requirements which are the basis of project achievement, standards related to the general requirements for the competence of test laboratory, requirements imposed by the National Accreditation Body, harmonized standards containing provisions regarding the test of measuring and monitoring equipment, terminology standards, uncertainty determination standards a.s.o.*

◆ The main standards regarding the general requirements for the competence of testing laboratory, requirements imposed by the National Accreditation Body, harmonized standards containing provisions regarding the test of measuring and monitoring equipment, terminology and uncertainty determination standards were identified..

Activity 1.2 *Analysis of the requirements from the national norms referring to the type and performances of the new tests, setting of the demand for the equipment to be purchased and potential suppliers.*

◆ Study and analysis regarding the achievement of the mobile laboratory for periodic metrological verification of monitoring equipment, block diagram for testing the monitoring equipment MONITRA IMT02, MONITRA IMT02S and related equipment for partial discharge measurement were performed. The methods used for the periodic metrological verification of the power transformer monitoring equipment, which are the basis of the tests, are presented in the technical specifications of the monitoring equipment. A demand of 15 items (equipment and materials) necessary for performing the metrological verifications was estimated.