

on Tools to Support On-Site Inspection Equipment Calibration, Maintenance and Protection

Tuesday, 20 June 2023 10:35 (1 minute)

To meet the requirement to certify that on-site inspection (OSI) deployed equipment has been calibrated, maintained and protected, as mandated by paragraphs 38 and 39 of Part II of the Protocol to the CTBT, the Provisional Technical Secretariat (PTS) has introduced a number of supporting tools. This paper highlights initiatives to protect equipment and those used to support and record the maintenance and calibration of equipment. The system for maintaining and managing OSI equipment and software, EIMO, is now used on a daily basis, facilitating work at the CTBTO TeST Centre, where it is used as the central database for all OSI deployable equipment. The custom browser based application has been further expanded with the creation of new instances: a training instance for capacity building and another for the testing and development of new functionalities. Among the new features reported in this paper is the introduction of RFID tags and checks, which represent an important milestone required for the protection of equipment. To further protect deployable equipment, storage containers now have individual locks with keys stored in a two-factor authentication key cabinet, with access assigned on a key by key basis. Similar access control is also being considered for use during OSI deployment.

E-mail

remi.colbalchini@ctbto.org

Promotional text

Certifying that OSI equipment has been calibrated, maintained and protected is a fundamental prerequisite of an on-site inspection. To this end, systems have been put in place to facilitate the management of OSI equipment both at the TeST Centre and during an OSI.

Oral preference format

Primary author: COLBALCHINI, Remi (CTBTO Preparatory Commission)

Co-authors: Ms CAMPBELL, Alana (CTBTO Preparatory Commission); ROWLANDS, Aled (CTBTO Preparatory Commission); NG, Jonetta (CTBTO Preparatory Commission); NASRI, Mohamed Ali (CTBTO Preparatory Commission); TOON, Samuel (CTBTO Preparatory Commission)

Presenters: ROWLANDS, Aled (CTBTO Preparatory Commission); COLBALCHINI, Remi (CTBTO Preparatory Commission)

Session Classification: Lightning talks: P1.2-1, P3.1, P3.4, P4.5

Track Classification: Theme 4. Sustainment of Networks, Performance Evaluation, and Optimization: T4.5 On-Site Inspection Team Functionality