

# Calibration of International Monitoring System Seismic, Hydroacoustic and Infrasound Stations

*Wednesday, 21 June 2023 10:24 (1 minute)*

Scheduled calibration activities at International Monitoring System (IMS) seismic, hydroacoustic T phase and infrasound stations are part of the quality control requirements defined in the draft IMS seismic, hydroacoustic and infrasound Operational Manuals. Depending on the technology used, the approach for scheduled calibration can be different in some aspects. However, the overall objective remains the same: controlling the quality of IMS measurement systems by comparing their measured sensitivity and response against their nominal values defined at the time of station certification or revalidation. Results from calibration activities are reported by the CTBTO to States Signatories on a yearly basis. This presentation shows processes in place to implement calibration activities, current and historical calibration results, and associated progress and challenges.

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## Promotional text

Presentation of QC activities that are key to contribute ensuring the quality of the delivered data products (i.e. the confidence in the data used from the IMS).

## Oral preference format

in-person

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**Session Classification:** Lightning talks: P2.5, P4.1, P4.2, P4.3

**Track Classification:** Theme 4. Sustainment of Networks, Performance Evaluation, and Optimization: T4.1 Performance Evaluation of the International Monitoring System and On-Site Inspection and their Components