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Process for International Monitoring System Waveform Technologies Stations

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Revalidation of International Monitoring System (IMS)stations is a rest assured approach to demonstrate compliance with IMS minimum requirements for stations that underwent major upgrades or equipment changes that have caused station response modification. The Configuration Management Board (CMB) decides on the need for the station revalidation after the case submission to CMB by IMS Engineering and Development Section of the CTBTO. Upon completion of the modernization works at the station the revalidation report is submitted by IMS/ED for review of the Certification Group. The report content is standardized demonstrating the updated technical specification Table and description of the testing process. The report is lean on the compliance demonstration in the following areas: noise study analysis using a newly developed calculator for different equipment settings; station calibration; testing of the status bit settings; compliance with cd1.1 requirements for data transmission and data surety aspects; station documentation update and DOTS population. This presentation demonstrates examples from revalidation reports with a demonstration of the key compliance with IMS requirements of ever changing technical solutions applied to the station upgrades in recent years.

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Promotional text

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Oral preference format

in-person

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