

of IMS infrasound station and engineering projects

The infrasound component of the International Monitoring System (IMS) is composed of sixty stations. Forty-nine of them are already certified and transmit data in near real-time to the International Data Centre, Vienna, Austria. Each infrasound station is composed of an array of infrasound measurement systems capable of measuring micropressure changes produced at ground by infrasonic wave propagation. The Provisional Technical Secretariat (PTS) of the Comprehensive Nuclear-Test-Ban Treaty (CTBTO) is working towards the completion and operation of the IMS infrasound network. The objective of this presentation is to review the main IMS infrasound station and engineering projects conducted over the last year. This includes station construction, certification, major upgrade and revalidation activities as well as projects to improve station reliability and resilience and increase compliance with IMS Operational Manual requirements.

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