

of the International Monitoring System

The IMS (International Monitoring System) is a global network of monitoring facilities using different technologies: waveform (seismic, hydroacoustic and infrasound) and radionuclide (particulate and noble gas). It is designed to detect the waveform produced by nuclear test explosions and the subsequently released radioactive radionuclides. IMS stations transmit their data to the IDC (International Data Centre) in Vienna (Austria) through a private global network known as GCI (Global Communication Infrastructure). The operation of the facilities and the GCI are managed by the IDC Operations Section to ensure proper operation and performances of the stations and GCI and provide network oversight and incident management. Specific software tools are used for monitoring the stations' state of health and data quality, first level troubleshooting of incidents and reporting with internal and external stakeholders. Operations and management of the stations are managed through: support to the station operators to develop and implement tailored Operation and Maintenance plans for their stations; PCA (Post-Certification Activity) contracts; focus on the requirement for data quality (calibration of the seismic stations, QA/QC programme for radionuclide stations); training programme for station operators (joined effort of IDC and IMS Divisions).

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