

Solution for the CTBT OSI Application

During the Launch phase of the OSI, immediately initiated after Inspection Request has been received, core Inspection Team will need to develop an Initial Inspection Plan and, a need of appropriate tool with access to necessary map libraries represents an essential part of the GIS solution.

Data collected during the Inspection Phase of the OSI, using all 17 different techniques as listed in the CTBT Protocol, should be geo-referenced to allow a spatial analysis. A different technique and huge amount of data arriving every day put in front of the IT a big challenge related to systematical analysis and visualization of data and results. The GIS techniques should synergistically provide a direction for further steps during the Inspection. A specific confidentiality and security measures should be implemented in order to protect the IT activities as well as national interests of the ISP.

At the end of the OSI, GIS solution should have capabilities to provide integrated pictographic results and images/maps in order to ease the preparation of the Preliminary Finding Document.

All mentioned requirements resulted in highly sophisticated and technologically advanced OSI specific GIS developed for the purpose of the efficient operations during the OSI missions.

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