

## of Events Through On-Site Inspection

*Monday, 26 June 2017 11:30 (15 minutes)*

Signatures that are anticipated to be observed of a nuclear explosion is adequately known to the scientific community via accumulated knowledge of previous events. On-Site Inspectors are fully equipped to pick site-specific observables through their thorough training. However, it would be rather peculiar to anticipate conventional observables in a clandestine nuclear explosion, as signatures would be concealed to a great extent. Pertaining the verification ease on events of the atmosphere and oceans, a clandestine test will be confined to the subsurface, which detection is a tedious affair. Considered the Treaty-accepted technologies, fixed and partially outdated, along with a degree of concealment that violator may apply, a conclusive OSI would be a great challenge on a clandestine event. OSI is partially denied for luxury of advancing technology, while a possible violator hardly obstructed for the same, keeping the OSI verification in par with would-be Inspected State Parties needs to be critically analyzed. Emphasizing the necessity of lifting technological barriers, synergy of Treaty-accepted technologies via a versatile set of Inspectors who are trained to think out-of-box manner, probably enable to unearth possible cause of an event which a request has been triggered. Where tools and technologies are inadequate, human intuition prevails.

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**Session Classification:** T2.2 Characterization of Events Through On-Site Inspection

**Track Classification:** 2. Events and Nuclear Test Sites