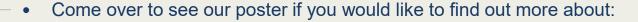


Lifecycle of IMS hydroacoustic hydrophone stations, and technical approach to their sustainment

LIGHTNING

M. Zampolli, A.C. Çorakçı, D. Metz Comprehensive Nuclear-Test-Ban Treaty Organization (CTBTO)

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- IMS hydroacoustic (HA) hydrophone station lifecycle
 - 5 year lifecycle of the on-shore equipment
 - the 20-40 year lifecycle of the underwater subsystem.
- How a differentiated approach for HA hydrophone stations' subsystem sustainment can improve
 - the mitigation of through-life risks to mission capability
 - the financial impact of HA hydrophone stations' sustainment.
- New technologies and approaches on the horizon that have the potential of further improving HA hydrophone stations' sustainment in the future
 - Distributed Acoustic Sensing (DAS) and other optical interferometry methods
 - Modularity with wet-mate connectors strategically placed to enable in-situ underwater targeted sustainment of underwater subsystems
 - full-chain acoustic system response checks in-situ.
- Looking forward to discussing this poster with you.



