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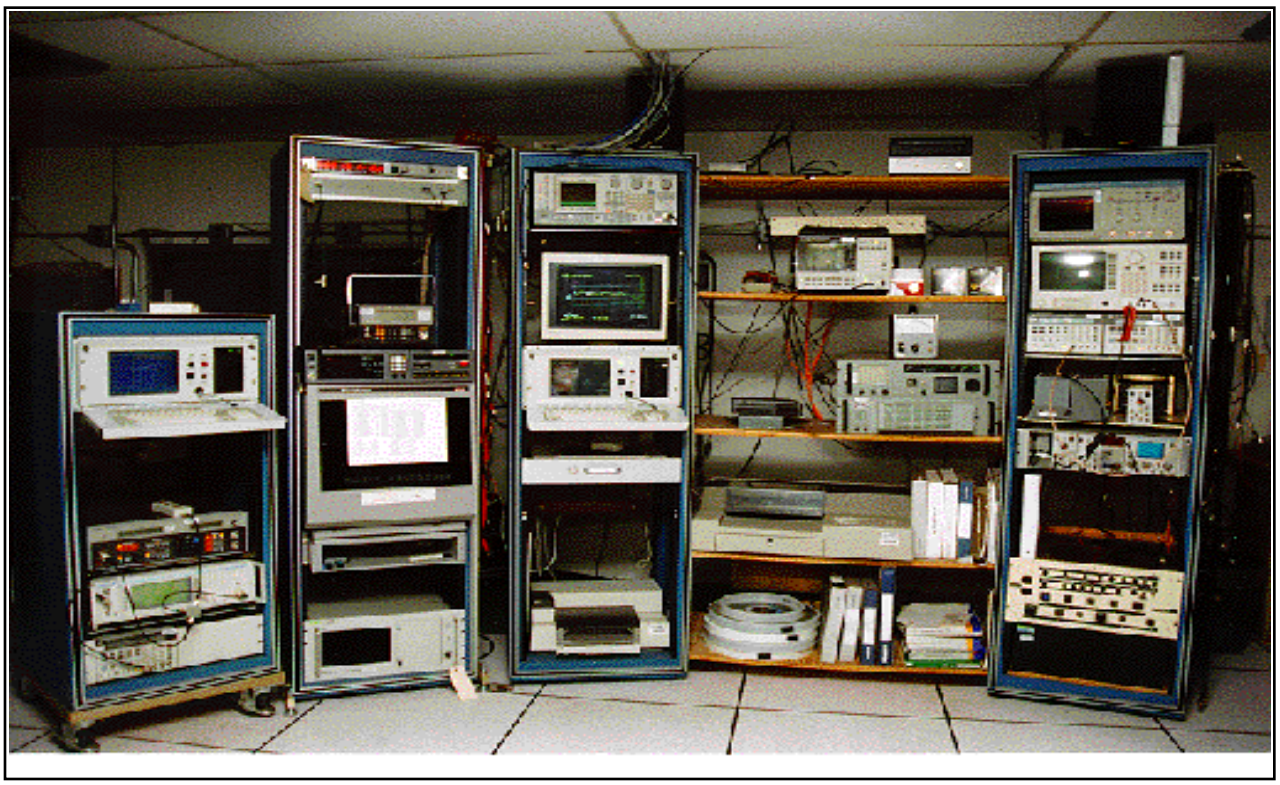
Project Beartrap
Reciever Recorder Laboratory



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The Project BEARTRAP Receiver and Recorder Laboratory at the Naval Aviation Systems Team in Patuxent River, MD, is used to support the development, test and evaluation of advanced Air ASW sonobuoy receivers and acoustic tape recording systems.

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The Project BEARTRAP receiver and recorder laboratory at the Naval Aviation Systems Team in Patuxent River, MD, was specifically assembled to support the development, test and evaluation of advanced Air ASW sonobuoy receivers and acoustic tape recording systems. Isolated 60 and 400 Hz electrical systems and a deep well ground plane lower the laboratory electrical noise floor to facilitate low level acoustic system measurements. A suite of VHF and audio test equipment are linked via IEEE-488 Bus control to generate highly accurate and repeatable sonobuoy test signals for input to the receiver system under test. Receiver outputs may be evaluated in both the time and frequency domains, and recorded on 2 Racal Storehorse 28 Track Recorder Reproducers. The fully calibrated recording and replay systems in use in this laboratory have been certified by the Office of Naval Intelligence for reduction of high quality sonobuoy acoustic data.

The laboratory also generates and records laboratory standard 28 track format acoustic test tapes for use in performance verification/certification of laboratory tape reproducers.

Fly-in calibration, data reduction, and certification to ONI standards are available for both fixed and rotary wing ASW aircraft.

For more information, contact the Project BEARTRAP Receiver and Recorder Laboratory at (301) 342-3992.