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Atlantic Test Range. Dynamic RCS Measurement Capability

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Abstract: This slide presentation reports on the capabilities of the Dynamic Avionics Measurement Branch at the Naval Air Warfare Center Aviation Division. Developmental tests and evaluation (DT&E) are conducted on Navy aircraft and their avionics systems. These systems include radars (fighter/attack, sea surveillance, and AEW), Navigation (IFF, GPS, and INS), communications (voice and data link), reconnaissance systems, antenna systems, forward looking infrared systems and ASW systems. Also included are electronic support measures (ESM) systems, electronic intelligence (ELINT) systems, radar warning receivers, missile warning systems, communications receivers, and antenna patterns. Additionally, NAWC-AD has the mission to conduct performance testing of ECM and ECCM avionics systems including aircraft signature measurements (RCS), radar and communication Jammer-to-Signal (J/S) ratio measurements, **Chaff** and decoy measurements.

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Limitations: APPROVED FOR PUBLIC RELEASE

Pages: 34

Report Date: 28 JUN 2000

Report Number: A490883

Keywords relating to this report:

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