



Information Assurance Testing at Commander Operational Test and Evaluation Force

Objective

**Introduce Information Assurance
aspects of Operational Testing at
Commander Operational Test and
Evaluation Force.**

Outline

- MIDS-LVT testing
- AIS Testing
- Command Response to IA test requirements
- Summary
- Questions

MIDS IA Testing

- What does the acronym stand for?
 - Multifunctional Information Distribution System
- Three varieties:
 - LVT-1: F/A-18, F-16, EA-6B, Ships
 - LVT-2: Army terminal family
 - LVT-3: F-15 (AKA Fighter Data Link-FDL)

MIDS IA Testing cont'd

- What is it?
 - A replacement for JTIDS (Joint Information Distribution System) that allows a platform to participate in a LINK-16 network.
 - LINK-16 is the only authorized data link for tactical operations.
 - Encryption and waveform design ensure a high probability of successful message exchange.

MIDS IA Testing cont'd

- What is being tested?
 - MIDS LVT-1 terminals as installed on Navy air and surface platforms.
- Approach:
 - Determine the risk of introduction of malicious code into MIDS hardware or software during manufacturing or life cycle processes.

MIDS IA Testing cont'd

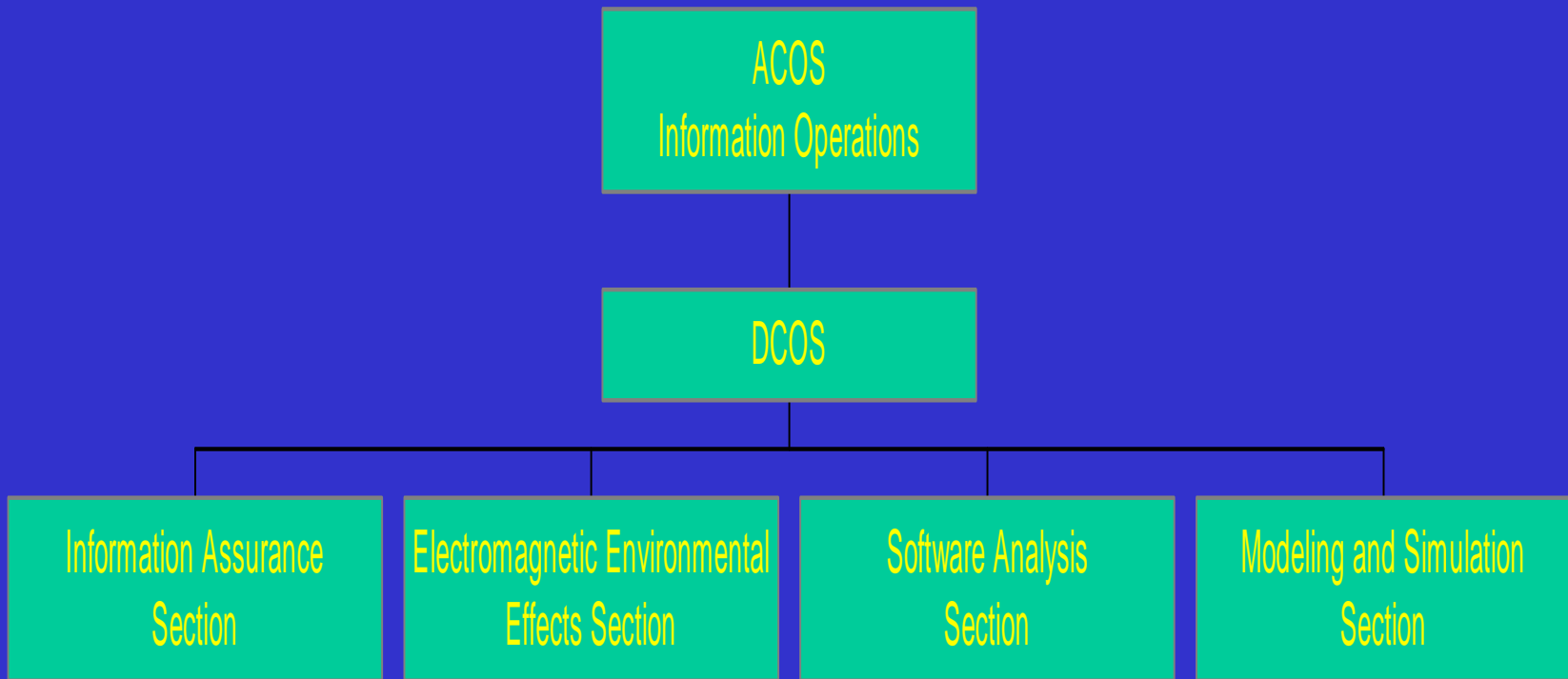
- Methodology
 - Review production and security processes at manufacturing plants, software facilities, and network design facilities.
 - Review distribution and security processes of manufacturer, network design facility, and repair facilities.

AIS IA Testing

- Examples
 - DMLSS (Defense Medical Logistics Support System)
 - NSIPS (Navy Standard Integrated Personnel System)
 - NMCI (Navy Marine Corps Intranet)
- Testing has primarily been penetration testing conducted by NSGA Pensacola.

80 Division

Information Operations Division



80 Division Mission and Manning

- Formed as recognition that more IA expertise was needed.
- Will in some cases autonomously test systems.
- Will support Warfare Divisions.
- Section Heads will be Civilian or O4/O5.
- Will also tap Reservist expertise.

Summary

- IA Testing at COTF continues.
- 80 Division is still in the formative stages.
- 80 Division will ensure additional expertise is brought to IA testing.

Points of Contact

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QUESTIONS?