Evolution of the Mission at SCSC

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Sea Air Space Expo
Wallops Island History

- 1941 Established the Chincoteague Naval Air Station
- 1979 Navy (Dahlgren Detachment) Bldg Z41
- 1986 Aegis Combat Systems Center (ACSC) Operational
- 1998 ACSC/SSDS Merger
- 2000 Surface Combat Systems Center
**NAVSEA Echelon III Field Activity**

**Technical Capabilities**

- **AEGIS**
  - System Engineering and Development Testing
  - Lifetime Support Engineering
  - Combat Systems Test (CST)
  - Operational Training

- **SSDS**
  - System Engineering and Development Testing
  - Lifetime Support Engineering
  - Combat Systems Test (CST)
  - Operational Training

- **DDG 1000 / CVN 78**
  - Dual Band Radar (DBR)
    - Multi-Function Radar (MFR)
    - Volume Search Radar (VSR)

**Operational Capabilities**

- **AEGIS** Navy/contractor team supports 2 shift/7 days a week operations
- SSDF Navy/contractor team supports 2 shift/5 days a week operations and support for weekends and surge requirements as needed

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**AEGIS Engineering and Training Complex**

- Technical Capabilities
  - AEGIS Baselines 3A-9A/B/C, BMD 3.6-5.1
  - 9 core suites
  - 7 ships supported simultaneously
  - Live and simulated Battle Group & Single Ship operations
  - Data Analysis Center

**Ships Self Defense Facility**

- Technical Capabilities
  - SSDS MK1 and MK2 systems
  - 10 possible variants with 5 core suites
  - Live and simulated Battle Group & Single Ship operations
  - Data Analysis Center

**Wallops Island Engineering Test Center**

- Technical Capabilities
  - Dual Band Radar (DBR)
  - CVN 78 DBR and CVN 78 combat system testing
  - SDTS DTE
  - DDG 1000 Total Ship Computing Environment (TSCE)
  - VLS Simulation
Mission, Tasks, & Functions Evolution

**Mission Functions Tasks**
31 August 00
“Support” – ISE, LSE, Training, R&D operations

**Today**
- Early developmental testing in an operational environment; TTP development and validation by Fleet representative warfighters; Multi-Mission test package development and execution
- in addition to:

**Future**
- Be an Independent Test Site providing services for operations, materiel development, assessment and battle group training for Surface Combat Systems
- in addition to:

**Alignment with the 30 Year Ship Building and Combat System Plans**

- Independent Programs
- Focused on maintenance and site set up
- Activations
- Little to no operations

**Sailor Test Team** support for operations
Integrating Activities
Taking ownership and responsibility

**System of System Mission Based Testing**
Enterprise Solutions
Versatile workforce

**Distribution Statement A: Approved for Public Release; Distribution Unlimited**
SCSC – The Battle Group In The Sand

“Battle Group In The Sand”

SCSC Executes Single Element Through Complex High-Fidelity Battle Group Operations

Platform

Full Interoperability

AEGIS

SSDS

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Land and VACAPES OPAREA Test Network

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SCSC Sailor Test Team

- Exercise the System of Systems to fight through simultaneous, multi warfare, multi mission battle problems utilizing a fleet representative Combat Watch Team
- Fight the Ship utilizing established Tactics Techniques and Procedures (TTPs), Battle Orders, Rules of Engagement (RoE), and Pre Planned Responses
- The watch teams are Journeyman level educated and experienced, NAVEDTRA PQS qualified and oral board certified (where required) closely following normal shipboard standards tailored to suit land based test site environment
- Utilize T&E best practices during all phases of testing (planning, configuration management, execution, analysis and reporting)
- Focus on the identification and early correction of impediments to the warfighters ability to fight the ship

This Is The First Time Sailors Operating As A Qualified Watch Team Performing Operational Assessment In Development Phase

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“The Battle Group in the Sand”