Capability and Sustainment Needs

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03 APR 17
CNO: A Design for Maintaining Maritime Superiority (Issued JAN 2016)

- SCSC Mission Execution
  - Fleet Range Operations
  - Cybersecurity
  - Combat System Testing – Development and Certification
  - Training – Sailors and Workforce
  - Sustainment and Life-Cycle Support
SCSC Land Based Test Site (LBTS)

Integrating & Evaluating Capabilities To Support Surface Combat Systems Mission

Operations  Test & Evaluation  Training  Experimentation

Designers  Operators  Maintainers  Data Provider

Live, Virtual, and Constructive  Realistic Threats  Lab Integration  Enterprise Approach

Planning  Execution  Reporting

LBTS Must Be Sufficiently Agile To Evaluate Materiel Solutions Against Evolving Threats

Distribution Statement A: Approved for Public Release
SCSC Mission Priority: Fleet Capabilities and Sustainment Needs

Ships Self Defense Facility
Configurable to all SSDS Afloat Platforms
(CVN, LHD, LPD, LHA, & LSD)
39 Ships

AEGIS Engineering and Training Complex
Configurable to all Aegis Afloat Platforms
(CG & DDG)
88 Ships / 2 Aegis Ashore Sites

Wallops Island Engineering Test Center
Configurable to DDG 1000 and Dual Band Radar for CVN 78
2 Ships

Developers
(LM, RTN, etc.)

SCSC

Developers
(PEO IWS, PEO SHIPS, etc.)

Critical Link in the Test, Training, and Deployment of Fleet Capability

Development

Test & Evaluation

Certification

Deployment & Life-Cycle
Supporting Fleet Capabilities & Sustainment – SCSC Major Platform Accomplishments

SSDS
- USS GERALD R. FORD (CVN-78) Team Trainer
- USS GERALD R FORD (CVN-78) TRACKEXs
- Maintenance COI

AEGIS & ABMD
- BL 9C2D Build 21 Certification Testing
- Multiple Team Trainers – Ex. USS MILIUS (DDG 69), USS MCFAUL (DDG 74), PCU RALPH JOHNSON (DDG 114), PCU RAFAEL PERALTA (DDG 115)
- SFTM-02 Scenario Validation

USS ZUMWALT (DDG-1000)
- TSCE Cybersecurity Scans
- DBR and SEWIP Block 2 Integration
- SoS TRACKEX

Acronyms:
- AEGIS Ballistic Missile Defense (ABMD)
- Course of Instruction (COI)
- Dual Band Radar (DBR)
- Ship Self Defense System (SSDS)
- Standard Missile-3 Cooperative Development (SCD) Flight Test Standard Missile (FTM) (SFTM)
- Surface Electronic Warfare Improvement Program (SEWIP)
- System of Systems (SoS)
- Total Ship Computing Environment (TSCE)
Supporting Fleet Capabilities & Sustainment – SCSC Battlegroup Accomplishments

Connecting the Fleet to Land Based Testing

- CRISTOBAL COLON (F105) and USS ARLEIGH BURKE (DDG 51) CSSQT
- USS MITSCHER (DDG 57) CSSQT Live Fire (LF)
- Interoperability Development and Certification Testing (IDCT)
- Distributed Interoperability Integrated Assessment Capability (DIIAC) Verification Validation and Accreditation (VV&A)
- Naval Integrated Fire Control-Counter Air (NIFC-CA) Systems of Systems (SoS) BQM TRACKEX