



Hawaii Technology Development Venture (HTDV) Test & Evaluation (T&E) Program Rollout

*Manoa Innovation Center
3 October 2008*

**Systems Center
PACIFIC**



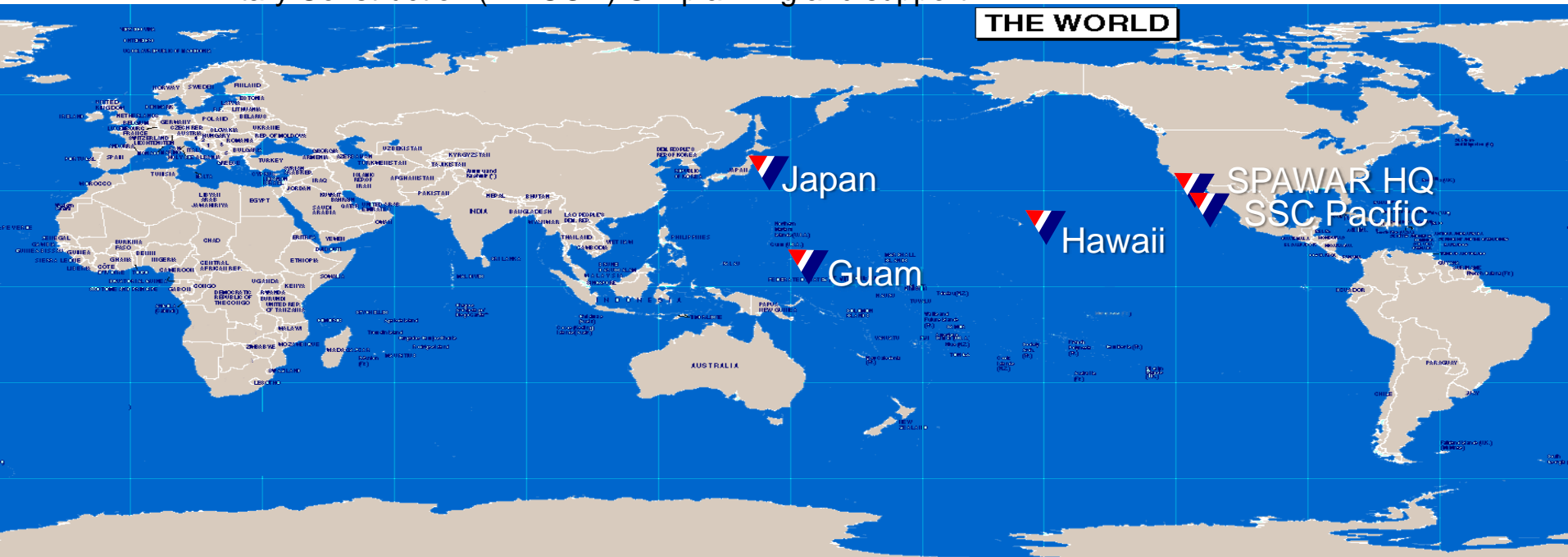
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SSC San Diego ... on Point and at the Center of C4ISR



To provide Command, Control, Communications, Computers, Intelligence, Surveillance, Reconnaissance (C4ISR) Research, Development, Test, & Evaluation (RDT&E), Science and Technology (S&T), engineering, integration, and fleet support services in the Asia-Pacific Region.

- On-site C4ISR engineering, program management and analytical support to operating forces
- Long range planning, systems engineering, platform integration, end-to-end testing, analysis, evaluation, validation, and life cycle support
- Computer network design, security, and installation
- Anti-Terrorism/Force Protection (AT/FP) and Global War on Terror (GWOT) systems expertise
- Software development, training and contract services
- Military Construction (MILCON) C4I planning and support



- A talented and creative workforce providing C4ISR to operational commands ashore and afloat
- Quality systems engineering and integration with best value to the customer
- Quality on-site support and continuity in government project management
- **Available pool of cleared personnel on-island and across the Pacific**
- **Reachback to TEAM SPAWAR**
- **Lab facilities in Pearl City**

For HTDV: Provide independent T&E assessments that will assist companies in technology insertion into DoD programs.



C4 Engineering and Applications Division

- Leverage knowledge of our staff embedded with commands (all Forces); keenly aware of their requirements
- Assess concept feasibility
- Possible inclusion of technologies into exercises

ISR and AT/FP Systems Division

- Technical and performance evaluation capability of
 - Intel Systems, including Networks and A/V
 - Anti-Terrorism/Force Protection (AT/FP)
 - Physical Security
- Coordination with HLS



Fleet Engineering Division

- Technical and performance evaluation capability of
 - Radio Frequency (RF) / Electromagnetic Environment Effects (E3)
 - AV/VTC
- Relationships to ranges such as PMRF
- Building test plans (System Operational Verification Tests or SOVTs)

Information Systems and Network Technology Division

- Information Assurance
- Network Traffic Assessment



Far East and WestPac C4ISR Divisions

- Fleet Support in Guam and Japan
- Provides a unique opportunity to be with the warfighter at the “Tip of the Spear”





Backup Slides





USPACOM Nimitz-MacArthur Pacific Command Center

- **Mission:** Code 521 provides broad range of on-site, C4 engineering expertise to the Joint, Service component headquarters, to include program management, system engineering, and systems administration.

Business Areas:

- Command Center engineering and operational support
- Theater resources and C4 programming
- Information Management
- Collaboration/VTC systems management
- Operational planning
- Coalition interoperability
- Deployable shelters for Command and Control

Accomplishments:

- USPACOM Nimitz-MacArthur Pacific Command Center
- COMPACFLT FCC/Flagship Makalapa, USARPAC, USPACAF Command Center upgrades
- USPACOM C4 Campaign Plan
- USPACOM NIPRNET, SIPRNET portals
- CTL ACTD transition
- MAST, MSQ-126 Design and Development

ISR and AT/FP Systems Division

Code 522



Joint Intelligence Operations Center Makalapa

- **Mission:** Code 522 provides Intelligence Surveillance and Reconnaissance (ISR) and Anti-Terrorism/Force Protection (AT/FP) systems expertise to organizations in the USPACOM Area of Responsibility (AOR).

Business Areas:

- JWICS Communications/Networks
- DoDIIS Video Teleconference Systems
- Intelligence Systems/Operations
- Homeland Security
- Force Protection Systems
- Security/Intrusion Detection Systems
- Biological Defense Efforts
- Anti-Terrorism Operations
- Secure Visual Display/Communications
- Secure Conference Rooms
- ISR Integration

Accomplishments:

- JWICS Network Architecture – USPACOM
- Multi-National Interoperability System
- USPACOM DoDIIS Desktop VTC System
- AT/FP Systems – USPACOM, COMNAVREG
- JIOC (JICPAC) Renovation
- Biological Combat Assessment System (BCAS)
- USPACOM Pandemic Influenza Response
- ICTAP – HLS Exercise (Honolulu, HI)
- SOCPAC Intel Systems (Special Ops)
- HQ21 BDVA – USPACOM Briefing System
- JIATF West Relocation to Camp Smith, HI
- Counter-Narcotic Information System



- **Mission:** Code 523 provides Integrated C4ISR Engineering and Installation Support for Afloat and Shore Communications Control Centers, Message Centers, Command Centers, Emergency and Network Operation Centers.

Business Areas:

- **Afloat Engineering**
 - Ships and Submarine Interior Comms and Networks
 - Navigation and Exterior Comms
 - ISEA and Logistic Support
 - Pacific Surveillance Support
- **RF Systems and Communications Engineering**
 - Satellite Communications (SATCOM) EHF/SHF/UHF
 - Automatic Network Control Center (ANCC)
 - Tactical Switching for IPv6 Implementation
 - Message, Tech Control, and Network Operations Centers
 - Automated Digital Network System (ADNS)
 - Electromagnetic Environmental Effects (E3)
- **Shore Integration**
 - Shore Systems Integration
 - Shore Infrastructure
 - Briefing and Display Video Architecture
 - MILCON C4ISR Planning and Execution

Accomplishments:

- **Afloat Engineering**
 - C4ISR Installs, Incl SHF SATCOM, on USS HOPPER and OKANE
 - C4ISR Installs on USS OLYMPIA, KEYWEST, CHEYENNE and LOS ANGELES during CNO availability
 - Submarine Comms ISEA Support, Including IP Upgrades
 - Tech Assists, Grooms, Engineering Changes and Upgrades
- **RF Systems and Communications Engineering**
 - NCTAMS PAC Message Center, HSGR, and JMINI
 - PMRF Barking Sands Communications Projects
 - NCTAMS PAC, USPACOM, PACFLT, SUBPAC EHF SATCOM
 - NCTAMS PAC & COMSUBPAC ADNS
 - NMPCC Tech Control/PBX
- **Shore Integration**
 - NMPCC Briefing and A/V Systems and C4I Upgrades
 - Secure and UNCLASS Video Conferencing Systems
 - COMNAVREG HI Regional Command Center (RCC)
 - COMPACFLT Fleet Briefing Room and FCC Upgrades



Our Classified IA/IO/Networks/Training Lab

- **Mission:** Code 524 provides computer network design, engineering, integration, installation, testing, and security, as well as software development, program management, training and contract services to various commands in the USPACOM Area of Responsibility (AOR).

Business Areas:

- Information Assurance and Operations
- Computer Network Defense/Exploitation
- Network operations – LAN/MAN/WAN
- Network engineering and integration
- Software engineering and operations
- Software training
- Software contract and program management services

Accomplishments:

- Navy Security Suite installations
- Computer Network Vulnerabilities Assessments
- Red/Blue team
- Certification and Accreditation
- CENTRIXS
- ONE NET
- NMCI
- PRNOC
- JCTC
- Wireless LAN
- DRRS-N



Far East C4ISR Division

Code 525



- **Mission:** Code 525 provides Integrated C4ISR Engineering and Installation Support that keeps the Seventh Fleet, Joint and Coalition Commands in the Pacific Far East operationally ready and to improve their war fighting capabilities.

Business Areas:

- Integrated C4ISR Installations
- Foreign Military Sales (FMS)
- Coalition Collaboration Systems
- Network Migration Services
- Regional Shore Installation Management
- Emergency Operation Centers
- Land Mobile Radio (LMR) Network Management
- Anti-Terrorism/Force Protection (ATFP)
- Fleet Systems Engineering Teams (FSET)
- CCTV/IDS/VIXS Engineering and Installation
- Fleet Technical Assist (FTA) for C4I Systems

Accomplishments:

- CFn Installation at LCC-19, CV-63, CTF-74, CTF-72
- CTF-76 Command Relocation
- CNFK Access Control/Force Protection
- OCONUS Enterprise Network ONE-NET
- CFAY and CFAS EOC
- ATG Integrated Battle Force Training Center
- USFK SVoIP and SVTC
- JMSDF CENTRIXS
- AT-FP initiatives in the Region
- New Sanno Hotel CCTV Design
- USFK GCCS-K to CENTRIXS-K transition



- **Mission:** Code 526 provides C4ISR systems engineering to all Navy afloat and ashore activities in the Western Pacific and Indian Ocean. Worldwide support is also provided to other DOD units and government agencies when directed. Support includes long range planning, systems engineering, installation design, installation, Systems testing, maintenance engineering, training, technical guidance, and assistance.

Business Areas:

- Command/Communication/Emergency Operational Center
- HF//UHF/ EHF Communications (Afloat & Ashore)
- Video Tele-Conferencing Systems
- One Net/BLII Pier side Connectivity
- SIPR/NIPRNET/LAN
- Information Assurance
- RLG/SLVR
- Anti -Terrorism Force Protection Systems
- Acoustic Rapid COTS Insertion (ARCI) Sonar
- Submarine/ Shipboard Communication
- Military Sealift Command Tech Support
- Army National Guard Support
- IFF/TACAN
- JMINI/ANCC/ATC

Accomplishments:

- Ship Sup/NTR support (Ship Board systems)
- Fleet Exercises (TANDEM THRUST, RIMPAC)
- Submarine/Shipboard CASREP Tech Assist
- ARCI
- RLG/SLVR
- One Net Guam/Diego Garcia/Singapore
- BLII PIERSIDE Connectivity Guam/Diego Garcia
- AT/FP, CNMI Homeland Security
- COMLOGWESTPAC Communication Center
- NCTS GUAM (JMINI, EHF,UHF, HF, ANCC, CRYPTO,DAMA)
- NIPRNET/SIPRNET
- SCIF/ Intrusion Detection System
- Ship Board VTC

POC: LCDR Reeves or Bill Naputi, OIC and Managing Director

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