Command & Control (IWS 6.0)
CAPT Red Hoover
PEO IWS 6.0 Mission

Develop and Deliver Sensor Netting & Track Management, Navigation and Display & Processing products, systems and capabilities to the Fleet that support and enhance warfighting capability at a reduced cost while meeting evolving DoD requirements.

Deliver Advanced C2 Capability to the Warfighter
PEO IWS 6.0 Program Portfolio

ACAT ID
Cooperative Engagement Capability (P&D)

Abbreviated Acq Program
AN/WSN-7B RLG (P&D)

Non-ACAT
CDS (E&MD)-Seeking ACAT designation
CPS (E&MD) - Seeking ACAT designation
CNI (O&S)
AN/UYQ-21 (O&S)
AN/WSN-9 DHYSL (P&D)
AN/BSN-2 DDD (P&D)
AN/WSN-8/8A DEML (P&D)
ECDIS-N (P&D)

ACAT III
Maritime IAMD Planning System (E&MD)
(ACAT III Designation Received with Final Approval Following MS B)

Inactive-ACAT
SACC-A (O&S)
AN/WSN-7/7A RLGN (O&S)
AN/WQN-2 DSVL (O&S)
AN/WSN-2/5 (O&S)
Legacy Navigation (O&S)
Legacy Navy Tactical Computer Resources
  AN/UYK-20/43/44/7 (O&S)
  AN/UYA-4 (O&S)
Legacy Peripherals
  RD-358, USH-26, OJ-172, USQ-69 (O&S)
  AN/UYH-16/3 (O&S)

Additional programs not currently reflected in official IWS 6.0 Portfolio
Joint Track Management Capability (TD)
Naval Integrated Fire Control Counter-Air (TD)
Maritime IAMD Planning System (MIPS)
Product Line Roadmap

MIPS
Annual
Incremental S/W
Releases

MIPS Development

FY 11 | FY 12 | FY 13 | FY 14 | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21

MIPS 0 (AADC Legacy)
7.3.x

MIPS 1
8.1.x + HTR

FOC

MIPS 2
8.2.x + HTR

MIPS 3

HTR = Hardware Tech refresh

Distribution Statement A: Approved for Public Release;
Distribution is Unlimited

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Navigation Product Line Roadmap

Inertial Navigation System

AN/WSN-7/7A
- WSN-7/7A Production
- CDU/ECDU Prod.
- WSN-7/7A Operations & Support
- New INS Operations & Support
- New INS Production
- New INS Test & Evaluation
- New INS Operations & Support

AN/WSN-2
- WSN-2 Ops & Sup
- WSN-7B Production
- WSN-7B Prod.
- WSN-7B Operations & Support

AN/WSN-7B
- WSN-7B Operations & Support

Speed Sensor

EM Log
- EM Log Ops & Sup
- Ops & Sup

AN/WQN-2 (DSVL)
- Production
- WSN-8 O & S

AN/WQN-8 (DEML)
- Production
- WSN-9 W/WSN-8 Sensor

AN/WQN-9 (DHYSL)
- Production
- WSN-9 Ops & S

Other Nav

Digital Depth Detector
- Digital Depth Detector (D³) Sensor

Fluxgate Compass (DFGMC)
- Digital Fluxgate Magnetic Compass (DFGMC) Production

Inertial Navigation System

AN/WSN-2
- Operations & Support

AN/WSN-7/7A
- Operations & Support

AN/WSN-7B
- Operations & Support

Speed Sensor

EM Log
- Operations & Support

AN/WQN-2 (DSVL)
- Operations & Support

AN/WQN-8 (DEML)
- Operations & Support

AN/WQN-9 (DHYSL)
- Operations & Support

Other Nav

Digital Depth Detector
- Operations & Support

Fluxgate Compass (DFGMC)
- Operations & Support

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Priorities of Capability to the Fleet

- Interoperability
- Information Assurance (IA)
- CDS/CPS
  - Obsolescence and Life Cycle Support
- Navigation
  - Next Generation Inertial Navigation
  - Next Generation Digital Speed Log
  - Common / Certified Electronic Charting
DoD “Better Buying Power”
Guidance Roadmap

To address current DoD fiscal realities, IWS 6.0 is applying mandated DoD Better Buying Power and identifying total ownership reduction opportunities

Sensor Netting/Track Management

- Promote real competition
  - Latest direction promotes competition for CEC system and components
- Improve tradecraft in services acquisition
  - Next SDP production contract will be small business set aside
- Reduce Cost
  - Common Antenna Technology

Maritime IAMD Planning System (MIPS)

- Competitive Procurement
Displays and Processors (DSP)

- **Target affordability and control cost growth ($TY)**
  - Conducted Tech Insertion /Tech Refresh (TI/TR) to enable early detection of parts obsolescence and verify replacement components
  - Common Displays / Common Processors

- **Promote Real Competition**
  - Latest direction promotes competition for Displays & Processors

Navigation

- **Target affordability and control cost growth ($TY)**
  - ECDIS-N Software Program of Record (GFE vs. CFE)

- **Promote Real Competition**
  - Latest direction promotes competition for Navigation systems
Driving Affordability

• Moving towards common hardware components
  – Reduces spares and life cycle costs
  – Reduces integration costs

• Competing at the sub-system level
  – Enables more innovation by allowing more companies to focus on specialty areas
  – Enables price realism in both bid offer and source selection
  – Companies can bid in areas better aligned to their core expertise driving price down

• RTOC
  – Identifying TOC reductions where possible (IA/CAB)
PEO IWS Contract Plan

• CEC Industry Day, held December 2010, identified the following contracts for competition:
  – Signal Data Processor (SDP-S) Production
  – Common Array Block (CAB) Family of Antennas Design Agent
  – CEC AN/USG 2B/3B/4B/5B/6B/7B (Surface ships, Aircraft, USMC, Army, FMS) Production
  – CEC BOA
  – CEC Design Agent / Engineering Services

• MIPS
  – Maritime Integrate Air and Missile Defense Planning System (MIPS) Follow on Design and Production System

• Navigation
  – Competition for INS-R Development contract in FY12

See CEC update to FEDBIZOPS dated 27 October 2011
• CDS Industry Day, held June 2011, identified the following contracts for competition:
  – Common Display System (CDS) Variant “A” Production
  – Common Display System (CDS) Variant “A”, Variant “B” and Remote CEM Follow on Production
  – Common Display System (CDS) Variant “A”, Variant “B” and Remote CEM Future baseline Development and Production

• For CPS Milestones, the following contract is being competed or will be competed in the near future
  – Common Processing System (CPS) Future baseline Development and Production
What Can Industry Do For Us?

• Participate in IWS 6.0 competitive contracting opportunities through FEDBIZOPS announcements
• Identify Reduced Total Ownership Cost (RTOC) opportunities
• Introduce state-of-the-art technology while mitigating obsolescence and supportability risks
• Design to address DMSMS
Question & Answer Period