NAVY INFORMATION WARFARE SYSTEMS COMMAND (NAVWAR)

Navy Training Programs Vision
I/ITSEC Panel Discussion

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Information Warfare Today

INFORMATION WARFARE
plays a role in every
Mission Area Kill Chain
across all domains

SPACE · EW · NETWORKS · COMMS · METOC · CRYPTO · CYBER · INTEL

Information Warfare

- Assured C2
- Integrated Fires
- Battlespace Awareness

ISR
Integrated Air & Missile Defense
Anti-submarine Warfare
Ballistic Missile Defense
Mine Warfare
Strike
Air Defense
Expeditionary Warfare
Anti-surface Warfare

IW "owns"

IW "impacts"

Information Warfare Impacts ALL Mission Sets in the High End Fight

NAVWAR Strategic Vector

NAVWAR STRATEGIC VECTOR

OUR MISSION: Identify, Develop, Deliver, and Sustain information warfighting and enterprise capabilities and services to enable Naval, Joint, national, and coalition operations in warfighting domains from Seabed to Space.

STRATEGIC OBJECTIVES

FOSTER A WORLD-CLASS WORKFORCE
- Empower a Culture of Excellence
- Enable a Data-Driven Culture
- Inspire a Mission Mindset

ENSURE INFORMATION READINESS
- Prioritize Sailor Self-Sufficiency for Strategic Competition
- Prepare & Enable All-Domain Fleet Operations
- Optimize Infrastructure to Generate Naval Power
- Execute On-Time Delivery

LEAD NAVAL DIGITALIZATION
- Guide Deployment of the Naval Operational Architecture
- Develop, Maintain, & Modernize Naval Digitalization
- Drive Data-Informed Decision Making and Digital Transformation

VISION: Be the preeminent provider of information warfare capabilities driving operational dominance from Seabed to Space.

*Approval to transition Sailor Self-Sufficiency effort into NAVIFOR lead Training P2P

4.4 IW Priorities

➤ Develop and Deliver Information Warfare (IW) and TS/SCI threat recognition into Live, Virtual, Constructive (LVC):
  ➤ Our teams need the ability to conduct reps and sets away from adversarial eyes using a secure environment and real-world scenarios.
  ➤ Improve Fleet training by integrating IW into LVCt and Fleet Synthetic Training Optimize Fleet Response Plan exercises

➤ Provide Project Overmatch Training
  ➤ Collaborate across multiple programs and products to identity, document and provide training and capture stakeholder feedback to make continuous improvements

➤ NAVIFOR P2P – IFOR N7 POC lead
  ➤ IWE Training initiatives apply to the coordination of the Resource Sponsor, SYSCOM, TYCOM, Schoolhouse, and Fleet on training related issues to include the validation of training requirements, resourcing, development, and delivery

➤ Sailor Self-Sufficiency for Strategic Competition
  o To enable and improve the ability of our Sailors to be more self-sufficient at sea.

IW into LVCt BLUF

- ▼ Issue
  - – The Information Warfare Enterprise (IWE) lacks organic training capability and the ability to participate in Live, Virtual, and Constructive training (LVCt) events throughout the OFRP, leaving a knowledge gap that affects all warfare areas.
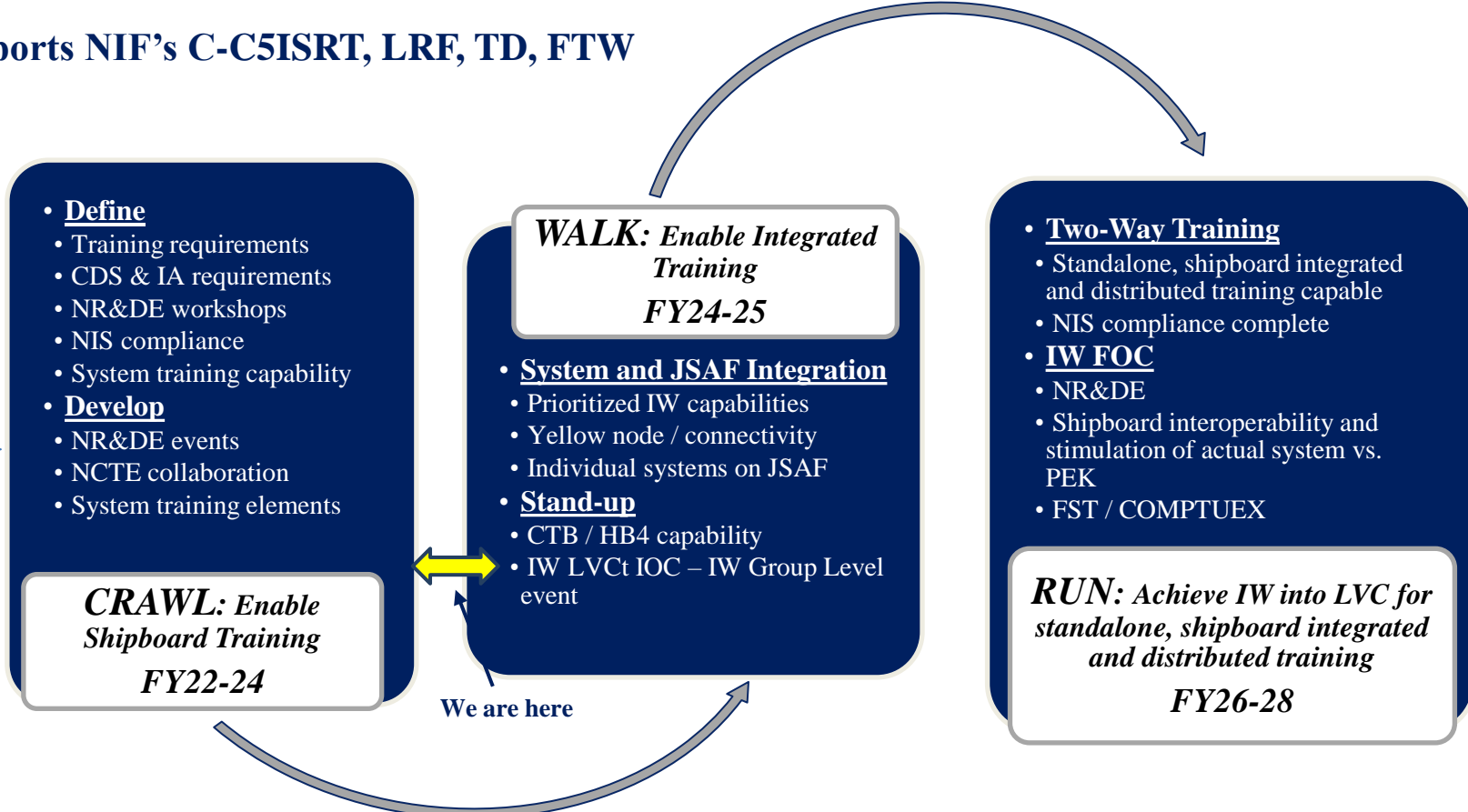
- ▼ Prime Objectives
  - ▼ Provide teams with the ability to conduct reps and sets away from adversarial eyes using a secure environment and real-world scenarios via IW Team Training Facilities (IW TTFs)
  - ▼ Develop IWE LVC environment for current and future integration and training of IW capabilities at both Secret and TS / SCI classifications by 2026
  - ▼ Improve Fleet training by integrating IW into LVCt and Fleet Synthetic Training Optimize Fleet Response Plan exercises

IW LVCt Shipboard System Integration

IW LVCt supports NIF's C-C5ISRT, LRF, TD, FTW

NAVWAR
NIWC PAC
NIWDC
NSWC Corona
TTGL/P
CSG 4/15
IWTG

- **Define**
  - Training requirements
  - CDS & IA requirements
  - NR&DE workshops
  - NIS compliance
  - System training capability
- **Develop**
  - NR&DE events
  - NCTE collaboration
  - System training elements

CRAWL: Enable Shipboard Training
FY22-24

WALK: Enable Integrated Training
FY24-25

- **System and JSAF Integration**
  - Prioritized IW capabilities
  - Yellow node / connectivity
  - Individual systems on JSAF
- **Stand-up**
  - CTB / HB4 capability
  - IW LVCt IOC – IW Group Level event

We are here

- **Two-Way Training**
  - Standalone, shipboard integrated and distributed training capable
  - NIS compliance complete
- **IW FOC**
  - NR&DE
  - Shipboard interoperability and stimulation of actual system vs. PEK
  - FST / COMPTUEX

RUN: Achieve IW into LVC for standalone, shipboard integrated and distributed training
FY26-28

WAY AHEAD:
Determine MVP for end to end IW training
Develop IMS

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Project Overmatch Training

▼ The OM Training CFT's dual prime objectives are: (1) Provide Fleet personnel with training products and facilities that support enabling Distributed Maritime Operations learning (2) ensure the training delivered is effective to prepare sailors for fast moving, technically driven maritime combat.

▼ Training and Strategy vision:
– Agile method being used to develop and install the System
– Course training products are also Agile
– Current training objectives will evolve from the CSG sailors and WDC/WTIs
– Considerations in training delivery will adjust for differences in configurations
– Updates and refinements based on sailor feedback during and after each session are the goal of each OM follow on training for future platforms

IWE NAVIFOR P2P Initiative

- ➢ Problem: Shortfalls in IW training have resulted in an inability of our sailors to master, maneuver, and cyber defend the IWE platform – and an over-reliance on shore support that is projected to be unavailable in a high-end fight. (IBOSS)

- ➢ Challenges:
  - ➢ Recent IW training programs have failed to update and deliver necessary training on IWE systems and capabilities resulting in sailors that are inadequately prepared to execute their warfighting missions.
  - ➢ The implementation of the Ready Relevant Learning (RRL) program has highlighted significant disconnects in IW training associated with training program ownership and oversight (Multiple Syscoms and RS)

- ➢ Actions: The IWE has developed an all-encompassing IW Training Strategy that prioritizes and aligns training among the Stakeholders (IW RS, TYCOM, SYSCOM, NETC) and others with full transparency. By 2025, the IWE is actively resourcing training initiatives, tracking the development of required curriculum, and delivering current applicable training to enable IW capabilities (Training Systems??)

Sailor Self Sufficiency (SSS)

➤ Problem: Afloat C4I readiness does not support high-end warfighting and impacts mission and cyber readiness. In addition, the ability of our Sailors to master, maneuver, cyber defend, and restore the C4I platform from a casualty too often relies on shore support that is projected to be unavailable in a high-end fight.

➤ Actions: Through faster delivery of improved systems, increased automation, more granular and relevant training systems, authoritative and prescriptive troubleshooting procedures, more easily accessible self-help resources, and improved system of system training for deck plate leadership across all phases of the ORFP

➤ SSS IPT objectives (Examples)

  ➤ Increase Capability-Based Training
  ➤ Enhance Logistics / Supportability
  ➤ Codify Verification and Identification of System Configurations and Settings

Changes our "transactional" support approach to a data informed, proactive support model across all C4I systems enabling our Sailors to be more self-sufficient at sea