Innovation in Delivery and Sustainment

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“Digitizing our Navy — what does that mean? Part of it is simply to capture the data that we have today, from personnel to logistics to command and control, and recognize the resources that those data represent, capture the data and understand what that can tell us.”

- RADM Becker, Commander, Naval Information Warfare Systems Command

“Automated analytical tools will accelerate our decision making by suggesting decision options we may not have been aware of if we relied on human action alone.”

- ADM Christopher Grady, Commander, United States Fleet Forces Command
Drive to Predictive/Prescriptive Sustainment

Where we are today:

Data Standardization & Hygiene
Dashboards Metrics
Root Cause & Trend Analysis
Predictive Analytics
Prescriptive Analytics

Predictive Analytics
Straight Ahead →
3D Scanning

- Digital imaging of Navy assets and platforms
- Provides opportunity for enhanced sustainment, maintenance, training, and modernization capabilities
3D Modeling & Advanced Manufacturing

- Increases speed of reverse engineering for obsolete parts
- Accelerates development of Technical Data Packages
- Rapid prototyping and limited production runs

Reduces repair cycle
C4I Pre-Install Test and Checkout

- Delivers a single integrated C4I capability build
- Increases quality of delivery
- Early discovery of HW/SW issues
- Reduces post-installation test discrepancies and time onboard

C4I PITCO shifts software load and test to the left – prior to on-site delivery
SOVT Streamlining

- Performing SOVT checks in C4I PITCO
- Automating SOVTs

CANES SOVT Example

$31K SAVINGS PER SHIP

234 Hours SAVINGS PER SHIP

Moving to Digitized SOVT Integrated Test Procedure (ITP)

- CANES SOVT Example:

Reduced Installation Time and Cost
Thrust Areas

**Today**
- CB-ISEA
- Dashboards / Metrics
- 3D Scanning
- 3D Printing/Rapid Prototyping
- C4I PITCO
- Automated SOVT

**Tomorrow**
- Predictive Data Analytics
- Digital Thread

**Future**
- AI/ML
- Augmented Reality
- Cyber
- Unmanned Systems
“You will not find it difficult to prove that battles, campaigns, and even wars have been won or lost primarily because of logistics.”

- Dwight D. Eisenhower