What is Training and Should it Be in the System Engineering Process?

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Acquisition System Training Defined

• “All training methodologies embedded, institutional, Mobile Training Team, computer, and Web based) that can be used to train and educate **operator** and **maintainer** personnel in the proper technical employment and repair of the equipment and components of a system, and to **educate** and **train the commanders and staffs** in the doctrinal tactics, techniques, and procedures for employing the system in operations and missions.” (ref. CJCSM 3170)
Significance of Acquisition System Training

- Without proper training, full system capabilities are not realized.
- The impacts of not considering training early:
  - Potential Requirements creep
  - Impact on system design
  - Impact on program cost, performance and schedule
  - Safety considerations
    - Potential injury, loss of life
    - Damage to equipment

Training and System Engineering are Mutually Supportive
System Engineering Process

• YES!

• Why
  – System Engineering
  – Logistics, Material Readiness
  – Test
  – Training

• These disciplines have a significant degree of interdependencies in program success.
Why Acquisition System Training?

Training influences System Design:

• FCS – System was designed to include Embedded Training for any time, anywhere training.

• MRAP – Tall, heavy truck design combined with young drivers contributed to rollovers.

• Husky Mounted Detection System (HMDS) - Operational, maintenance, & leader training
Overview

• Status update on three policy documents of interest
  – **DoDD 5000.02**, Operation of the Defense Acquisition System
  – **CJCSI/CJCSM 3170.01**, Joint Capability Integration and Development System
  – **CJCSI 5123** Joint Requirements and Oversight Council
    • Latest update incorporates this into 3170 documents

• Links to each document and contact information from the Joint Capability Development Program Review
DoDI 5000.02

- Emphasize early planning and programming for system training in the acquisition process.
- Training should fully support and mirror operational system and be provided before a system is fielded to ensure that the full capability of the system is utilized IAW the Strategic Plan for the Next Generation of Training for the DoD
- Provided at MS A and updated at each MS
  - Draft Training Plan
  - Training Financial plan
CJCSI /M 3170

• Military requirements will be grouped and prioritized by time and significance at the ICD level.
• Increased emphasis on requirements to inform the MS A decision.
• There are six required KPPs and non-selection must be justified.
• UONS & JEONS (CJCSI 3470) incorporated into JCIDS (CJCSI 3170) process.
• Requirements Management Certification Training will be implemented in coordination with Defense Acquisition University.
Links

• DoDD 5000.02 (8 Dec 2008)

• CJCSI /CJCSM 3170.01 (Jan 2012)
  – Unclassified JCDPR Wiki Site
    https://www.intelink.gov/wiki/JCIDS
  – Classified JCDPR Wiki Site:
    http://www.intelink.sgov.gov/wiki/JCIDS_Integration