Education and Training Development: Multi-Domain Operations

SOS 18D Raptors

Slides and Discussion

UNCLASSIFIED
Overview

- Multi-Domain Operations
- So What?
- Problem Statement
- Solution
- Considerations
- MDO Knowledge Baseline
- COAs
- Questions

- The Squad:
  - Capts: Benson, Brady, Cameron, DeForest, Hyzer, Radford, Rusinko, Sattes, Schoonover
  - Ms. Sparks
Multi-Domain Operations Overview

Domains
- Air
- Space
- Cyber
- Land
- Maritime

Integration
- Offense
- Defense
- Deterrence

Initial
- Seamless
- Dynamic
- Continuous

Advanced
- High Velocity
- Operationally Agile
- Present multiple dilemmas
- Unmatched Tempo

Intelligence | Command | Control | Communications
“MDO is a pick-up game.”
So What?

- Many Captains lack fundamentals on:
  - Air Force warfighting capabilities and limitations
  - Joint Planning & Integration

AS 2030 states “the AF’s projected force structure is not capable of fighting and winning against this threat array without a shift in focus to multi-domain capabilities and capacity.”
Problem Statement

- CSAF Focus Areas
  - Strengthen Joint Leaders and Teams
  - MDC2

Multi-Domain Operations is a nascent Air Force concept; AF lacks MDO educational development for Captains.
Solution

- First step...AF today vs AF tomorrow
- Establish MDO education and training curriculum for Captains
  - Foundational, focused, education and training
  - Curriculum includes:
    - Comprehend
      - MDO & MDC2 concepts and theory
      - Air Force’s Capabilities & Limitations
      - Integrated MDO maneuver in/through domains to achieve effects
    - Demonstrate
      - Tactical and theater level planning
      - MDO integration
      - Mission Command
Considerations

- Where do we start?
  - Balance breadth vs depth vs mass…
- Who do we start with?
  - Everyone or select few…

- Proficiency?
  - Focus on career field or expand knowledge…
- Classification?
  - Unclass or Secret…

MDO Knowledge Baseline

IST/IQT/MQT  MDO Course  PDE  WIC  IDE/SDE
MDO Knowledge Baseline

Air Force of the Future!

MDO Knowledge Baseline Over Time

IST/IQT/MQT  MDO Course  PDE  WIC  IDE/SDE
Courses of Action

“Start Small, Fail Fast - Win Small, Scale Fast”
COA 1: Pre-SOS for 2-week course

- Pre-SOS MDO Block

- Timeline: (Months)
  - +1: Requirements Planning/Approvals
  - +2: Initial Cadre Develop Curriculum
  - +4: Syllabus approval & validation class
  - +6: First student class begins

- Cost Estimate (Initial)
  - $1200 per student
  - $20K O&M

- Manpower Estimate:
  - 8 Instructors
COA 2: MDO Training 4-week Course

- Multi-Domain Operations Training School

- Timeline: (Months)
  - +2: Requirements Planning/Approvals
  - +4: Initial Cadre Develop Curriculum
  - +6: Syllabus approval & validation class
  - +7: First student class begins

- Cost Estimate (Initial)
  - $2700 per student
  - $1.5M O&M

- Manpower Estimate:
  - 8 Instructors

Target 2030: Future Air Force

- 2018: Assemble curriculum dev team
- 2019: Implement MDO-T Course, establish baseline
- 2020: Incorporate additional AFSCs
- 2023: Expand PDE; Shape around Leadership, MDO, Joint Planning
- 2025: MDO & Joint Ops Fully Integrated
- 2028: Development pipeline fully supports MDO E&T
- 2021: All students attend

Timeline:

+2: Requirements Planning/Approvals
+4: Initial Cadre Develop Curriculum
+6: Syllabus approval & validation class
+7: First student class begins

Cost Estimate (Initial):
- $2700 per student
- $1.5M O&M

Manpower Estimate:
- 8 Instructors
Recommended COA

- COA 1 – SOS as a platform for 2-week Course
  - Cost: COA 1 is cost effective
  - Scalability: Easy to scale up…or down
  - Need: Both address future need
  - Mass: SOS is already a part of Captain development
  - Resources: Can use existing resources at Maxwell
Recap

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Questions?