

BULLET BACKGROUND PAPER

ON

MULTI-DOMAIN OPERATIONS (MDO) CAPT DEVELOPMENT

PURPOSE

To improve Officer's understanding of Multi-Domain Operations closing the gap between today and the Air Force of the future

BACKGROUND

- Captains lack full understanding of the Air Force's warfighting capabilities and limitations, through and from Air, Space, Cyberspace, and sister services Land and Maritime, which hinders the development of operational-level C2 and exacerbates the service's deficiency in producing joint leaders and teams

- CSAF Focus areas 2 & 3

-- "Multi-Domain Operations leverages seamless, dynamic and continuous integration of capabilities generating effects in and from all domains" -Brig Gen Saltzman

-- "Advanced Multi-Domain Operations are high velocity, operationally agile operations that present multiple dilemmas for an adversary at an operational tempo they cannot match" -Brig Gen Saltzman

PROBLEM

MDO is a nascent Air Force concept; Air Force lacks institutional educational development for Captains

DISCUSSION

- Current Education and Training Force Development

-- Opportunities exist within skill and development training to frame tactical growth in MDO paradigm

-- IST → IQ/MQ/CT/Upgrade → PDE → IDE → SDE

PROPOSAL

- Recommend establishment of a MDO education and development curriculum for Captains

- COA 1: Use SOS as starting Platform (start small, fail fast, win small, scale fast)

-- To start, select 1-Series AFSC will start approximately 2-weeks prior to SOS

--- 11B, 11F, 11H, 11M, 11R, 11S, 11U, 12B, 12F, 12M, 12R, 12S, 12U, 13B, 14N, 17D, 18A, 18R, and 18S

-- Timeline: (Months) +1 Requirements Planning; +2 Initial Cadre Develop (ICD) Curriculum; +4 syllabus approval & validation; +6 first student class begins

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

-- Manpower Estimate: 8 Instructors (Cross/Multi-Domain)

- COA 2: Create an approximate 4-week stand-alone MDO Tactical (MDO-T) course for deliberate and focused development of competencies for a multi-domain culture at the expert-tactical level

-- 11B, 11F, 11H, 11M, 11R, 11S, 11U, 12B, 12F, 12M, 12R, 12S, 12U, 13B, 14N, 17D, 18A, 18R, and 18S

-- Timeline: (Months) +2 Requirements Planning; +4 Initial Cadre Develop (ICD) Curriculum; +6 syllabus approval & validation; +7 first student class begins

-- Cost Estimate: (Initial) \$2700 per student, \$1.5M Course Development & Infrastructure

-- Manpower Estimate: 8 Instructors (Cross/Multi-Domain)

-- Location: Maxwell AFB, AL

RECOMMENDATION

- COA 1

-- Cost: COA 1 is cost effective for concept start-up

-- Scalability: Easy to scale up ... or down as needed

-- Need: Both address future needs

-- Mass: SOS is already a part of Captain development

-- Resources: Can use existing resources at Maxwell