

CHAPTER TWO

**EA-6B SUPPLEMENTARY
COURSES**

EA-6B SPECIFIC ACADEMIC SUPPORT PACKAGE

Course Objective: To provide EA-6B aircrew with additional ground training as required by MCO P3500.14.

Length: 44 Classroom Hours

Notes:

1. The Academic Support Package (ASP) is developed by MAWTS-1 and shall be taught by a WTI or other qualified instructor. The academics shall be integrated into the Combat Ready (18 hours of academics), Combat Qualified (18 hours of academics), and Full Combat Qualified (8 hours of academics) stages of training. Classes delineated in paragraph 6 shall be conducted annually for all aircrew.
2. All classes listed below are available on the UNCLASS or SECRET ASP or are available through MAWTS-1. Contact the MAWTS-1 EA-6B Division for TS/SCI academic material.

Academic Syllabus:

1. The following syllabus supports the 200-level (Combat Ready) phase of training:
 - a. In direct support of the Navigation Stage, the following academic syllabus shall be completed:
 - (1) Self-Paced Reading: N/A
 - (2) Lectures: N/A
 - (3) Chalk Talks:
 - (a) EA-6B RADAR Use
 - (b) EA-6B BAM/BASH/CHUM Procedures
 - b. In direct support of the Tactical Formation Stage, the following academic syllabus shall be completed. A Section Lead should teach these classes.
 - (1) Self-Paced Reading: N/A
 - (2) Lectures:
 - (a) **Prior to stage initiation:**
 1. EA-6B LAN I
 2. EA-6B LAN II

EA-6B ASP
EA-6B ASP

- 3. EA-6B LAN III
- 4. EA-6B LAN IV

EA-6B ASP
EA-6B ASP

(3) Chalk Talks: N/A

- c. In direct support of the Aerial Refueling Stage, the following academic syllabus shall be completed.

(1) Self-Paced Reading: N/A

(2) Lectures:

(a) **Prior to stage initiation:**

- 1. EA-6B NATOPS Aerial Refueling

EA-6B ASP

(3) Chalk Talks: N/A

- d. In direct support of the NS High Stage, the following academic syllabus shall be completed. An NSI or NITE Lab Instructor shall teach these classes.

(1) Self-Paced Reading: N/A

(2) Lectures:

(a) **Prior to stage initiation:**

- 1. NITE Lab
- 2. EA-6B NVD Use

NITE LAB ASP
EA-6B ASP

(3) Chalk Talks: N/A

- e. In direct support of the Familiarization Stage, the following academic syllabus shall be completed. An EA-6B DEFTACI (or PDEFTACI under supervision of a DEFTACI) shall teach these classes.

(1) Self-Paced Reading: N/A

(2) Lectures:

(a) **Prior to stage initiation:**

- 1. EA-6B BAM and Threat Reaction

EA-6B CLASSIFIED ASP

(3) Chalk Talks: N/A

f. In direct support of the HARM Stage, the following academic syllabus should be completed.

(1) Self-Paced Reading: N/A

(2) Lectures:

(a) **Prior to stage completion:**

- | | |
|------------------------------|----------------------|
| 1. EA-6B HARM Fundamentals | EA-6B CLASSIFIED ASP |
| 2. EA-6B HARM as a Sensor | EA-6B CLASSIFIED ASP |
| 3. EA-6B DDI HARM Targeting | EA-6B CLASSIFIED ASP |
| 4. EA-6B CDNU HARM Targeting | EA-6B CLASSIFIED ASP |

(3) Chalk Talks: N/A

g. In direct support of the ES Stage, the following academic syllabus should be completed.

(1) Self-Paced Reading: N/A

(2) Lectures:

(a) **Prior to stage completion:**

- | | |
|----------------------------------|----------------------|
| 1. EA-6B HARM as a Sensor | EA-6B CLASSIFIED ASP |
| 2. EA-6B ALQ-99 OBS Fundamentals | EA-6B CLASSIFIED ASP |
| 3. EA-6B USQ-113v (3) Operation | EA-6B CLASSIFIED ASP |

(3) Chalk Talks: N/A

h. In direct support of the DAS Stage, the following academic syllabus shall be completed.

(1) Self-Paced Reading: N/A

(2) Lectures:

(a) **Prior to stage completion:**

- | | |
|------------------------------|----------------------|
| 1. EA-6B ALE-39/47 Operation | EA-6B CLASSIFIED ASP |
| 2. EA-6B ARC-210/HQ/SINGARS | EA-6B ASP |

(3) Chalk Talks: N/A

- i. In direct support of the RSEAD Stage, the following academic syllabus shall be completed.

- (1) Self-Paced Reading: N/A

- (2) Lectures:

- (a) **Prior to stage initiation:**

- 1. EA-6B EWCAS Procedures
 - 2. MAWTS-1 MAGTF FSCM

- EA-6B CLASSIFIED ASP
 - GENERIC ASP

- (3) Chalk Talks: N/A

- j. In direct support of the TFS Stage, the following academic syllabus shall be completed:

- (1) Self-Paced Reading: N/A

- (2) Lectures: N/A

- (3) Chalk Talks:

- (a) Task Force Support Chalk Talk

- 2. The following syllabus support the 300-level (Combat Qualified) phase of training:

- a. In direct support of the Aerial Refueling Stage, the following academic syllabus shall be completed:

- (1) Self-Paced Reading: N/A

- (2) Lectures: N/A

- (3) Chalk Talks:

- (a) EA-6B NATOPS Aerial Refueling Procedures

- b. In direct support of the NS Low Stage, the following academic syllabus shall be completed:

- (1) Self-Paced Reading: N/A

- (2) Lectures:

(a) Prior to stage initiation:

1. EA-6B Low Altitude NS Considerations EA-6B ASP

(3) Chalk Talks: N/A

- c. In support of the DEFTAC Stage, the following academic syllabus shall be completed. These lectures shall be taught by a DEFTACI (or PDEFTACI under the supervision of a DEFTACI).

(1) Self-Paced Reading:

- (a) AFTTP 3-1.2, Ch 1-6, 9, 15
- (b) AFTTP 3-1.13, Ch 5
- (c) EA-6B WSOM, Ch 20
- (d) TOPGUN Manual, Ch 1, 2, 5, 25, 28, 30, 31, 32

(2) Lectures:

(a) Prior to stage initiation:

1. EA-6B DEFTAC Terms and Definitions EA-6B CLASSIFIED ASP
2. EA-6B DEFTAC Aerodynamics EA-6B CLASSIFIED ASP
3. EA-6B DEFTAC Aircraft Performance EA-6B CLASSIFIED ASP
4. EA-6B DEFTAC BAM EA-6B CLASSIFIED ASP
5. EA-6B DEFTAC ASE EA-6B CLASSIFIED ASP
6. EA-6B DEFTAC Threat Reaction EA-6B CLASSIFIED ASP
7. EA-6B DEFTAC BFM EA-6B CLASSIFIED ASP
8. EA-6B DEFTAC Intercept Control EA-6B CLASSIFIED ASP
9. EA-6B DEFTAC HVAAP Considerations EA-6B CLASSIFIED ASP
10. EA-6B DEFTAC Section DEFTAC EA-6B CLASSIFIED ASP
11. EA-6B DEFTAC Threat Aircraft EA-6B CLASSIFIED ASP
12. EA-6B DEFTAC Threat A-A Weapons EA-6B CLASSIFIED ASP

(3) Chalk Talks: N/A

- d. In support of the ES Stage, the following academic syllabus should be completed:

(1) Self-Paced Reading: N/A

(2) Lectures:

(a) Prior to stage initiation:

1. EA-6B ES Tactics EA-6B CLASSIFIED ASP

2. MAWTS-1 C2W/ISR Aircraft

GENERIC CLASSIFIED ASP

(3) Chalk Talks: N/A

- e. In direct support of the DAS stage, the following academic syllabus should be completed:

(1) Self-Paced Reading: N/A

(2) Lectures:

(a) **Prior to stage initiation:**

- | | |
|--------------------------------------|------------------------|
| 1. EA-6B HARM Guidance | EA-6B CLASSIFIED ASP |
| 2. EA-6B HARM Information Structures | EA-6B CLASSIFIED ASP |
| 3. EA-6B EA Tactics | EA-6B CLASSIFIED ASP |
| 4. EA-6B Strike A/C and OAS Weapons | EA-6B CLASSIFIED ASP |
| 5. MAWTS-1 Reactive SEAD | GENERIC CLASSIFIED ASP |

(3) Chalk Talks: N/A

- f. In direct support of the RSEAD stage, the following academic syllabus should be completed:

(1) Self-Paced Reading: N/A

(2) Lectures: N/A

(3) Chalk Talks:

(a) EA-6B RSEAD Chalk Talk

- g. In general support of the Combat Qualified stage, the following academic syllabus should be taught:

(1) Self Paced Reading: N/A

(2) Lectures:

(a) **Prior to stage completion:**

- | | |
|--------------------------------------|----------------------|
| 1. EA-6B Communications Fundamentals | EA-6B CLASSIFIED ASP |
| 2. EA-6B Comm Jamming Fundamentals | EA-6B CLASSIFIED ASP |
| 3. EA-6B Nodal Analysis and Systems | EA-6B CLASSIFIED ASP |

(3) Chalk Talks: N/A

3. The following syllabus supports the 400-level (Full Combat Qualified) phase of training:

a. In direct support of the Low Altitude AR Stage, the following academic syllabus shall be completed:

(1) Self-Paced Reading: N/A

(2) Lectures: N/A

(3) Chalk Talks:

1. Low Altitude AR

b. In direct support of the ES Stage, the following academic syllabus shall be completed:

(1) Self-Paced Reading: N/A

(2) Lectures:

(a) **Prior to stage initiation:**

1. MAWTS-1 C2W/ISR Aircraft

GENERIC CLASSIFIED ASP

(3) Chalk Talks:

(a) National Asset Integration

c. In direct support of the DAS Stage, the following academic syllabus shall be completed:

(1) Self-Paced Reading: N/A

(2) Lectures:

(a) **Prior to stage initiation:**

1. EA-6B Strike A/C and OAS Weaps

EA-6B CLASSIFIED ASP

2. Bulk Chaff Tactics

EA-6B CLASSIFIED ASP

(3) Chalk Talks: N/A

d. In direct support of the RSEAD stage, the following academic syllabus shall be completed:

(1) Self-Paced Reading: N/A

(2) Lectures: N/A

(3) Chalk Talks:

(a) EA-6B RSEAD Chalk Talk #2

e. In direct support of the Task Force Support (TFS) stage, the following academic syllabus shall be completed.

(1) Self-Paced Reading: N/A

(2) Lectures: N/A

(3) Chalk Talks:

(a) Task Force Support Chalk Talk #2

f. In direct support of the War At Sea (WAS) stage, the following academic syllabus shall be completed:

(1) Self-Paced Reading: N/A

(2) Lectures:

(a) **Prior to stage initiation:**

1. EA-6B Maritime Air Superiority

EA-6B CLASSIFIED ASP

(3) Chalk Talks:

(a) WAS

g. In direct support of the Expeditionary Airfield Operations (EAF) stage, the following academic syllabus shall be completed:

(1) Self-Paced Reading: N/A

(2) Lectures: N/A

(3) Chalk Talks:

- (a) EAF Overview/ Course Rules
- (b) EAF Emergency Procedures

h. In general support of the Fully Combat Qualified stage, the following academic syllabus shall be completed:

- (1) EA-6B Communications Fundamentals EA-6B CLASSIFIED ASP
- (2) EA-6B Comm Jamming Fundamentals EA-6B CLASSIFIED ASP
- (3) EA-6B Nodal Analysis and Systems EA-6B CLASSIFIED ASP

4. The following syllabus shall be completed in support of Section Leader Training:

a. Self-paced reading:

- (1) TOPGUN Manual, Ch 2-4
- (2) AFTTP 3-1 Vol 13, Ch 5

b. Lectures:

(1) **Prior to stage initiation:** These classes shall be given by the SLUT to a designated Section Lead prior to designation as Section Leader.

- (a) EA-6B LAN I EA-6B ASP
- (b) EA-6B LAN II EA-6B ASP
- (c) EA-6B LAN III EA-6B ASP
- (d) EA-6B LAN IV EA-6B ASP

(2) **Prior to stage completion:**

- (a) EA-6B Section DEFTAC EA-6B CLASSIFIED ASP

c. Chalk Talks:

- (1) Formations and Application
- (2) Section Departure Considerations
- (3) Section Tanker Rdvz Day/Night/NVD
- (4) Section Recovery Considerations

5. The following syllabus shall be completed in support of Division Leader Training:

a. Self-Paced reading: N/A

b. Lectures: N/A

c. Chalk Talks:

- (1) Division Departure Considerations
- (2) Division Tanking Considerations day/night/NVD
- (3) Division Recovery Considerations

6. The following syllabus shall be completed in support of Mission Commander training:

a. Self-Paced reading:

b. Lectures: N/A

c. Chalk Talks:

- (1) 6 Functions of Marine Aviation
- (2) MACCS
- (3) RSEAD/DEAD
- (4) TFS
- (5) DAS
- (6) WAS
- (7) RED C2W Presentation
- (8) EMI and JRFL Deconfliction
- (9) AFTTP 3-1.2
- (10) AFTTP 3-1.13
- (11) WSOM
- (12) HARM TACMAN
- (13) TOPGUN Vol 1, 2
- (14) ETIRMS
- (15) SAM, AAA, SSM
- (16) IADS
- (17) Threat A/C
- (18) Threat Missiles
- (19) Naval SAMs
- (20) NAVAL ASM/SSM

7. The following academics should be conducted annually (within 60 days prior to deployment) for all aircrew:

a. Self-Paced Reading:

- (1) Jammer Techniques Analysis and Tactics (JTAT) (RADAR)
- (2) JTAT (COMM)

b. Lectures:

- (1) EA-6B Threat Reaction

EA-6B CLASSIFIED ASP

c. Chalk Talks:

- (1) Force Protection Considerations
- (2) PRC-112B Use
- (3) ISOPREP Data and Use
- (4) ATO Breakout
- (5) Nodal Analysis
- (6) Theater Consolidated Operating Standards
 - (a) Airspace Control Order (ACO)
 - (b) Special Instructions (SPINS)
 - (c) Rules of Engagement (ROE)

EA-6B ELECTRONIC WARFARE TACTICS OFFICER PROGRAM (EWTO)

Course Objective: To enhance optimal EA-6B employment by teaching the basics of Electronic Warfare theory, reviewing proper weapon system utilization, and reinforcing that training through detailed mission planning and execution.

Length: 21 classroom hours, 1-hour test, and 1 simulator sortie.

Notes:

1. VMAQ squadron commanding officers nominate EWTO students.
2. EWTO academic instruction is open to anyone interested, however, only those nominated by their commanding officer are eligible for certification. They must pass the exam and satisfy the performance standards for the simulator.
3. Re-certification syllabus requirements will be designated for those who have been DIFDEN out of model for greater than 18 months. Specific requirements will be determined based on aircrew background and experience on a case-by-case basis by the MAWTS-1 EWTO Standardization Officer.
4. US Navy EA-6B PTI course, conducted by the Electronic Attack Weapons School (EAWS), Whidbey Island, fulfills the EWTO prerequisite for WTI.
5. Upon certification (or re-certification) by MAWTS-1, the EWTO may be designated at the discretion of the squadron commanding officer.

Academic Syllabus:

1. The following classes SHALL be presented during EWTO:
 - a. EA-6B EWTO Integrated Air Defense Systems EA-6B EWTO ASP
 - b. EA-6B EWTO EW Targeting EA-6B EWTO ASP
 - c. EA-6B EWTO EW Mission Planning EA-6B EWTO ASP
 - d. EA-6B EWTO Radar Fundamentals EA-6B EWTO ASP
 - e. EA-6B EWTO ALQ-99 OBS Fundamentals EA-6B EWTO ASP
 - f. EA-6B EWTO Radar Jamming Fundamentals EA-6B EWTO ASP
 - g. EA-6B EWTO EP Fixes EA-6B EWTO ASP
 - h. EA-6B EWTO ALQ-99 Jamming Techniques EA-6B EWTO ASP
 - i. EA-6B EWTO Communications Fundamentals EA-6B EWTO ASP
 - j. EA-6B EWTO Communications Jamming Fundamentals EA-6B EWTO ASP
 - k. EA-6B EWTO USQ-113 V (3) EA-6B EWTO ASP
 - l. EA-6B EWTO HARM Fundamentals EA-6B EWTO ASP
 - m. EA-6B EWTO HARM Guidance EA-6B EWTO ASP
 - n. EA-6B EWTO HARM Information Structures EA-6B EWTO ASP

- | | |
|--|----------------|
| o. EA-6B EWTO Bulk Chaff Tactics | EA-6B EWTO ASP |
| p. EA-6B EWTO ES Tactics | EA-6B EWTO ASP |
| q. EA-6B EWTO EA Tactics | EA-6B EWTO ASP |
| r. EA-6B EWTO Instructional Techniques | EA-6B EWTO ASP |

Flight Syllabus:

VMAQ aircrew designated by their commanding officer for EWTO certification will be required to complete a simulator and satisfy the performance standards of the following T&R events (as applicable).

TES-242	2.0 HR	USQ-113 SIMULATOR
SDAS-250/251	1.5 HR	2F143 & 15E22C INTEGRATED SIMULATOR
SRSEAD-360/361	1.5 HR	2F143 & 15E22C INTEGRATED SIMULATOR

Goal: To evaluate the EWTO student's ability to perform as SEAD mission commander.

Requirements:

1. The EWTO aircrew will develop a gameplan based on scenario given by the MAWTS-1 staff.
2. The designated mission commander will brief and debrief the flight.
3. All performance standards will be accomplished in accordance with MCO P3500.15 and MCO P3500.45.

EA-6B DEFENSIVE TACTICS INSTRUCTOR (DEFTACI) CERTIFICATION COURSE

Course Objective: To certify EA-6B aircrew as DEFTACI, capable of safely and effectively conducting ground and airborne DEFTAC instruction as outlined in MCO P3500.15.

Length: IUT: 2 simulator sorties, 3 aircraft sorties (variable)
Cert: 1 hour class presentation, 1 hour open book test, 1 hour closed book test and 2 aircraft sorties.

Notes:

1. The PDEFTACI will be familiar with the information provided in the following references before beginning the certification course:
 - a. MAWTS-1 EA-6B DEFTAC Course
 - b. MCO P3500.14 and MCO P3500.15 (T&R Vol 1 and 2)
 - c. OPNAV 3710.7 (ACM Section)
 - d. AFTTP 3-1, Vol 2, Chapters 2, 6, 9, and 15
 - e. AFTTP 3-1, Vol 13, Chapter 5
2. Upon certification (or re-certification) by the MAWTS-1 instructor, the DEFTACI designation may be made at the discretion of the squadron commanding officer.

Prerequisites:

1. Designated DEFTAC qualified in accordance with MCO P3500.14 and MCO P3500.15.
2. EA-6B pilots must be designated Section Leaders prior to designation as DEFTAC Section Leaders in accordance with MCO P3500.15.
3. Selected by their Commanding Officer.

IUT Stage

IUT Academic Syllabus:

1. There are no required lectures for the DEFTACI syllabus.
2. The PDEFTACI will be thoroughly familiar with the syllabus structure and all references listed above.

Requirements:

1. Sortie briefed and led by PDEFTACI. Brief must bring out relevant terms, definitions, threat capabilities/limitations and envelopes as well as relevant training rules and common errors.
2. PDEFTACI shall demonstrate the ability to instruct each of the maneuvers listed in the DEFTAC-320, identify and correct student errors or trends, and maintain flight within admin and safety constraints.

1V1 BVR IUT 1 EA-6B VS 1 ADVERSARY DEFTAC-323

Goal: Demonstrate, to a DEFTACI, the ability to instruct the DEFTAC-323.

Requirements:

1. Sortie briefed and led by PDEFTACI. Brief must bring out relevant terms, definitions, threat capabilities/limitations and envelopes as well as relevant training rules and common errors.
2. PDEFTACI shall demonstrate the ability to instruct each of the maneuvers listed in the DEFTAC-323, identify and correct student errors or trends, and maintain flight within admin and safety constraints.

2V1 BVR IUT (PILOT ONLY) 2 EA-6B VS 1 ADVERSARY DEFTAC-325/326

Goal: Demonstrate, to a DEFTACI, the ability to instruct the DEFTAC-323.

Requirements:

1. Sortie briefed and led by PDEFTACI. Brief must bring out relevant terms, definitions, threat capabilities/limitations and envelopes as well as relevant training rules and common errors.
2. PDEFTACI shall demonstrate the ability to instruct each of the maneuvers listed in the DEFTAC-323, identify and correct student errors or trends, and maintain flight within admin and safety constraints.

2V1 BVR IUT EXPOSURE 2 EA-6B VS 1 ADVERSARY DEFTAC-325/326

Goal: Ensure PDEFTACI ECMO is exposed to DEFTAC-325 or 326 as an IUT.

Requirements:

1. PDEFTACI ECMO does not brief sortie.

2. PDEFTACI ECMO shall demonstrate the ability to facilitate instruction through each of the maneuvers listed in the DEFTAC-325 or 326, identify and correct student errors or trends, and maintain flight within admin and safety constraints.

Certification Stage:

Certification Academic Syllabus:

1. The PDEFTACI shall demonstrate, to a MAWTS-1 instructor, the ability to present any lecture in the EA-6B DEFTAC Courseware. A MAWTS-1 Instructor will select one lecture from the DEFTAC courseware. The PDEFTACI will present that lecture to the instructor. Q and A will follow.
2. The PDEFTACI shall successfully complete an open and closed book DEFTACI exam, administered by MAWTS-1, prior to beginning the certification flights. The minimum passing grade for the exam is 80%. In the event of an exam failure, the certification will be terminated and another attempt will not be allowed for at least one month.

Certification Flight Syllabus:

1. The PDEFTACI shall brief, lead, and debrief the following sorties to demonstrate to the MAWTS-1 instructor the capability to instruct defensive tactics both on the ground and in the air:

1v1 WVR CERT 1 EA-6B VS 1 ADVERSARY T&R DEFTAC-320

Goal: Demonstrate, to a MAWTS-1 IP, the ability to instruct the DEFTAC-320.

Requirements:

1. Sortie briefed and led by PDEFTACI.
2. PDEFTACI shall demonstrate the ability to instruct each of the maneuvers listed in the DEFTAC-320, identify and correct student errors or trends, and maintain flight within admin and safety constraints.
3. The PDEFTACI shall brief sortie structure and objectives, EA-6B and bogey (Cat II) performance and handling characteristics, and safety / training rules. The PDEFTACI shall be prepared to answer questions on one and two circle flow in terms of advantages/disadvantages, out-of-plane maneuvering and counters, and the impact of rate and radius in the ACM environment.

Ordnance: Appropriate mix of expendables and TACTS pod (if available).

External Support Requirements: One dissimilar adversary.

Goal: PDEFTACI ECMO shall demonstrate, to a MAWTS-1 IP, the ability to instruct the DEFTAC-324.

Requirements:

1. Only the PDEFTACI ECMO is certified on this sortie.
2. Sortie briefed and led by PDEFTACI.
3. PDEFTACI shall demonstrate the ability to instruct each of the maneuvers listed in the DEFTAC-320, identify and correct student errors or trends, and maintain flight within admin and safety constraints.
4. The PDEFTACI shall brief sortie structure and objectives, EA-6B and bogey (Cat II) performance and handling characteristics, and safety / training rules. The PDEFTACI shall be prepared to answer questions on one and two circle flow in terms of advantages/disadvantages, out-of-plane maneuvering and counters, and the impact of rate and radius in the ACM environment.

Ordnance: Appropriate mix of expendables, at least two jamming pods, TACTS pod if available.

External Support Requirements: One dissimilar adversary.

Goal: The PDEFTACI Pilot shall demonstrate, to a MAWTS-1 IP, the ability to instruct either the DEFTAC 325 or 326.

Requirements:

1. Only the PDEFTACI Pilot is certified on this sortie.
2. Sortie briefed and led by PDEFTACI.
3. PDEFTACI shall demonstrate the ability to instruct each of the maneuvers listed in the DEFTAC-320, identify and correct student errors or trends, and maintain flight within admin and safety constraints.
4. The PDEFTACI shall brief sortie structure and objectives, EA-6B and bogey (Cat II) performance and handling characteristics, and safety / training rules. The PDEFTACI shall be prepared to answer questions on one and two circle flow in

terms of advantages/disadvantages, out-of-plane maneuvering and counters, and the impact of rate and radius in the ACM environment.

5. The PDEFTACI shall brief sortie structure and objectives, EA-6B and bogey (Cat II) performance and handling characteristics, and safety / training rules. Additionally, concise communications and forward quarter missile defense techniques will be briefed.

Ordnance: Appropriate mix of expendables, at least two jamming pods, TACTS pod should be used if available.

External Support Requirements: One dissimilar adversary and GCI / AIC support.

RE-CERTIFICATION REQUIREMENTS:

Refresher:

- 1 Previously certified EA-6B DEFTACIs returning to the EA-6B requiring refresher or modified refresher training as defined by MCO P3500.15 must complete the EA-6B DEFTACI re-certification course. After completion of the course with a MAWTS-1 Instructor, the DEFTACI designation can be granted by the Commanding Officer.

Transition/Conversion:

- 1 Aircrew designated as ACTI or DEFTACI in aircraft other than the EA-6B, who transition or undergo conversion to the EA-6B, must complete the entire EA-6B DEFTACI program.

EA-6B NIGHT SYSTEMS INSTRUCTOR (NSI) CERTIFICATION COURSE

Course Objective: To certify an EA-6B aircrew as NSI, capable of safely and effectively conducting ground and airborne instruction of the EA-6B night systems flight syllabus outlined in MCO P3500.15.

Length: IUT: 6 classroom hours, 2 sorties.
Cert: 1-hour class presentation, 1-hour closed book test, 1 sortie.

Notes:

- 1 The EA-6B NSI Course is developed by MAWTS-1. Upon certification by MAWTS-1, the NSI designation may be made at the discretion of the squadron commanding officer.
- 2 The EA-6B NSI Course is designed to certify both EA-6B Pilots and Electronic Countermeasures Officers, capable of instructing non-night systems qualified aircrew in night systems operations, NLT 500 ft.

NSI Prerequisites:

- 1 Designated Night Systems Qualified (NSQ) and current IAW MCO P3500.14 and MCO P3500.15.
- 2 Minimum of 25 hours of NVG time.
- 3 Designated a section leader (Pilots).
- 4 Comparable experience for ECMO.
- 5 Selected by Commanding Officer.

IUT Stage

IUT Academic Syllabus:

- 1 The recommended academic work-up at a minimum should mirror the certification process. Refer to the appropriate certification program guide for information regarding IUT preparation.

IUT Flight Syllabus:

- 1 The squadron NSI will prepare the IUT for certification.
- 2 During, NSI build-up, the IUT must demonstrate the ability to brief, lead, debrief, and instruct NS flights. The PNSI must demonstrate a working knowledge of, and an elevated level of proficiency in all maneuvers delineated in the EA-6B NS syllabus defined in MCO P3500.15 with particular emphasis on safety.

SORTIE

NSI-3 E

2 EA-6B A NS

T&R: NS-312

Goal: Demonstrate proficiency in briefing, instructing, and debriefing Night section low-level navigation using NVDs. Emphasis placed on low altitude section procedures using NVDs.

Requirements: As lead, perform decent to comfort level (NLT 500' AGL), straight and level, turns, ridgeline crossings. Conduct section low-level ingress to a tactical scenario using NVDs.

RE-CERTIFICATION REQUIREMENTS:

Refresher:

- 1 Previously certified EA-6B NSIs returning to the EA-6B requiring refresher or modified refresher training as defined by MCO P3500.15 must complete the EA-6B NSI re-certification course. After completion of the course with a MAWTS-1 Instructor, the NSI designation can be granted by the Commanding Officer.

Transition/Conversion:

- 2 Aircrew designated as NSI in aircraft other than the EA-6B, who transition or undergo conversion to the EA-6B, must complete the entire EA-6B NSI program.

EA-6B TRAINING SYLLABUS

EVENT	DATE	INSTRUCTOR
COMBAT READY		
EMERGENCY PROCEDURES		
MONTHLY EP QUIZ		
SEP 201 (P, E1)		
NAVIGATION		
EA-6B RADAR USE		
EA-6B BAM/BASH/CHUM		
SNAV 202 (P, E1)		
NAV 203 (P, E1)		
NAV 204 (P, E1)		
TACTICAL FORMATION		
EA-6B LAN I		
EA-6B LAN II		
EA-6B LAN III		
EA-6B LAN IV		
FORM 205 (P, E1)		
FORM 206 (P, E1)		
AERIAL REFUELING		
EA-6B NATOPS AERIAL REFUELING		
AR 207 (P, E1)		
NS HIGH		
NITE LAB		
EA-6B NVD USE		
NS 210 (P, E1)		
NS 211 (P, E1)		
NS 212 (P, E1)		
FAMILIARIZATION STAGE		
EA-6B BAM AND THREAT REACTION		
SFAM 220 (P, E1)		
FAM 221 (P, E1)		
HARM		
EA-6B HARM FUNDAMENTALS		
EA-6B HARM AS A SENSOR		
EA-6B DDI HARM TARGETING		
EA-6B CDNU HARM TARGETING		
THARM 230		
SHARM 231 (P, E1)		
SHARM 232 (E2, E3)		
HARM 233 (P, E1)		
HARM 234 (E2, E3)		
ES		
HARM AS A SENSOR		
ALQ-99 OBS FUNDAMENTALS		
USQ-113V3 OPERATION		
SES 240 (E2, E3)		
SES 241 (E2, E3)		
TES 242		
ES 243 (P, E1)		
ES 244 (E2, E3)		
DAS		
ALE-39/47 OPERATION		
ARC-210/HQ/SINCGARS OPERATION		
SDAS 250 (P, E1)		
SDAS 251 (E2, E3)		
DAS 252 (P, E1)		
DAS 253 (E2, E3)		
RSEAD		
EWCAS PROCEDURES		
MAWTS-1 MAGTF FSCM'S		
SRSEAD 260 (P, E1)		
SRSEAD 261 (E2, E3)		

EVENT	DATE	INSTRUCTOR
RSEAD 262 (P, E1)		
RSEAD 263 (E2, E3)		
TASK FORCE SUPPORT		
TASK FORCE SUPPORT CHALK TALK		
STF 270 (P, E1)		
STF 271 (E2, E3)		
COMBAT QUALIFIED		
AERIAL REFUELING STAGE		
EA-6B NATOPS AERIAL REFUELING		
AR 307 (P)		
NS LOW		
EA-6B LOW ALTITUDE NS CONSID.		
NS 311 (P, E1)		
NS 312 (P, E1)		
DEFTAC		
AFTTP 3-1.2, CH 1-6, 9, 15		
AFTTP 3-1.13, CH 5		
WSOM CH 20		
TOPGUN MAN CH 1, 2, 5, 25, 28, 30-32		
TERMS AND DEFINITIONS		
AERODYNAMICS		
AIRCRAFT PERFORMANCE		
BAM		
ASE		
THREAT REACTION		
BFM		
INTERCEPT CONTROL		
HVAAP CONSIDERATIONS		
SECTION DEFTAC		
THREAT A/C		
THREAT A-A WEAPONS		
DEFTAC 320		
SDEFTAC 321		
DEFTAC 322		
SDEFTAC 323		
DEFTAC 324		
DEFTAC 325		
DEFTAC 326 (P)		
SECTION ES		
EA-6B ES TACTICS		
ES 340 (P, E1)		
ES 341 (E2, E3)		
DAS		
EA-6B HARM GUIDANCE		
EA-6B HARM INFORMATION STRUCT.		
EA-6B EA TACTICS		
MAWTS-1 REACTIVE SEAD		
STRIKE AIRCRAFT AND OAS WPNS		
DAS 350 (P, E1)		
DAS 351 (E2, E3)		
RSEAD		
EA-6B RSEAD CHALK TALK		
SRSEAD 360 (P, E1)		
SRSEAD 361 (E2, E3)		
RSEAD 362 (P, E1)		
RSEAD 363 (E2, E3)		
GENERAL COMBAT QUALIFIED ACADEMICS		
COMMUNICATIONS FUND		
COMM JAMMING ROT'S		
NODAL ANALYSIS		

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EA-6B TRAINING SYLLABUS

EVENT	DATE	INSTRUCTOR
FULL COMBAT QUALIFICATION		
LOW ALT AIR REFUELING		
LOW ALT AR		
AR 407 (P)		
ADVANCED DEFENSIVE TACTICS		
DEFTAC 420		
ES – NATIONAL ASSET INTEGRATION		
NATIONAL ASSET INTEGRATION		
C2W/ISR A/C		
ES 440		
DAS		
BULK CHAFF		
DAS 450		
DAS 451		
RSEAD		
RSEAD CHALK TALK #2		
RSEAD 460		
TFS		
TFS CHALK TALK #2		
TFS 470		
WAS		
WAS		
MARITIME AIR SUPERIORITY		
SWAS 480 (E2, E3)		
WAS 481 (P, E1)		
EAF		
EAF OVERVIEW/COURSE RULES		
EAF EMERGENCY PROCEDURES		
SEAF 490 (P, E1)		
EAF 491 (P, E1)		
EAF 492 (P, E1)		
FCPL/CQ		
FCLP 493		
FCLP 494		
SCQ 495		
CQ 496		
CQ 497		
IUT/FLIGHT LEADERSHIP		
DEFENSIVE TACTICS INSTRUCTOR		
PRESENTATION		
OPEN BOOK EXAM		
CLOSED BOOK EXAM		
1) BAM IUT		
2) THREAT REACTION IUT		
3) 1V1 WVR IUT		
4) 1V1 WVR CERT		
5) 1V1 BVR IUT		
6) 1V1 BVR CERT (ECMO)		
6) 2V1 BVR IUT (PILOT)		
7) 2V1 BVR EXPOSURE (ECMO)		
7) 2V1 BVR CERT (PILOT)		
NIGHT SYSTEMS INSTRUCTOR		
PRESENTATION		
CLOSED BOOK TEST		
1) NSI 1 IUT (P, E1)		
2) NSI 2 IUT (P, E1)		
3) NSI 3 CERT (P, E1)		
SECTION LEAD		
TOPGUN MANUAL VOL 2, CH 2		
AFTTP 3-1 VOL 13, CH 5		

EVENT	DATE	INSTRUCTOR
LAN I		
LAN II		
LAN III		
LAN IV		
SECTION DEFTAC		
SECTION LEAD EXAM		
FORMATION AND APPLICATION		
SECTION DEPARTURE CONSID.		
SECTION TANKER CONSID.		
SECTION RECOVERY CONSID.		
1) FORM 205		
2) FORM 206		
3) FORM XXX (NIGHT)		
4) DAS 350 OR RSEAD 362		
DIVISION LEAD		
DIVISION LEAD EXAM		
DIVISION DEPARTURE CONSID.		
DIVISION TANKER CONSID.		
DIVISION RECOVERY CONSID.		
1) DAY SORTIE		
2) NIGHT SORTIE		
3) DAS 350 OR RSEAD 362		
MISSION COMMANDER		
DEMONSTRATED KNOWLEDGE – PROCEDURES & DOCTRINE		
6 FUNCTIONS		
MACCS		
RSEAD/DEAD		
TFS		
DAS		
WAS		
RED C2W PRESENTATION		
EMI AND JRFL DECONFLICTION		
DEMONSTRATED KNOWLEDGE – EW PUBLICATIONS		
AFTTP 3-1.2		
AFTTP 3-1.13		
WSOM		
HARM TACMAN		
TOPGUN VOL 1, 2		
ETIRMS		
DEMONSTRATED KNOWLEDGE – THREAT SYSTEMS		
SAM, AAA, SSM		
IADS		
THREAT A/C		
THREAT MISSILES		
NAVAL SAMS		
NAVAL ASM/SSM		
DEMONSTRATED KNOWLEDGE – EA-6B EQUIPMENT		
TEAMS		
TERPES		
USQ-113		
MATT-IDM		
ALE-43		
ALE-39/47		
AGM-88		
CAPABILITIES BRIEF		
EXPOSURE FLIGHTS		
ES		
ES AT EW RANGE		
DAS		
DAS		

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EA-6B TRAINING SYLLABUS

EVENT	DATE	INSTRUCTOR
HARM (P, E1)		
HARM (E2, E3)		
RSEAD (P, E1)		
RSEAD (E2, E3)		
WAS		
PLAN AND BRIEF FLIGHTS		
ES		
HARM		
DAS		
DAS		
EWCAS/RSEAD		
EWCAS/RSEAD		
TFS		
PERFORMANCE FLIGHTS		
HARM		
ES		
DAS		
EWCAS/RSEAD		
EWCAS/RSEAD		
FEP (BREAK LOCKS)		
MISSION COMMANDER BOARD		
SPECIAL PURPOSE TRACKING		
NATOPS		
SCHK 600 (P, E1)		
SCHK 601 (E2, E3)		
INSTRUMENT		
SCHK 602 (P, E1)		
FCF		
SCHK 603 (P, E1)		
ACT (CRM)		
CRM BRIEF		
SACT 604 (P, E1)		
STRATEGIC TANKING		
AR 607 (P)		
AR 698 (P)		
SWD		
SWD 630		
BACK SEAT PROFICIENCY		
EW 645		
FEP		
FEP 673		

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SSN: _____