DEPARTMENT OF THE NAVY
HEADQUARTERS UNITED STATES MARINE CORPS
3000 MARINE CORPS PENTAGON
WASHINGTON, DC 20350-3000

NAVMC 3500.1C
C 466
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NAVMC 3500.1C W/CH 1
From: Commandant of the Marine Corps
To: Distribution List

Subj: EA-6B TRAINING AND READINESS MANUAL

Ref: (a) NAVMC 3500.14C

Encl: (1) ~~KC-130J T&R Manual~~ EA-6B T&R Manual

1. Purpose. In accordance with reference (a), enclosure (1) contains revised standards and regulations regarding the training of EA-6B aircrew.

2. Cancellation. NAVMC 3500.1B

3. Scope. Highlights of major Training and Readiness (T&R) planning considerations included in this EA-6B T&R Manual are as follows:

a. The Carrier Qualification Mission Essential Task (MET) crew requirement changed from 5 to 4, aligning with the other 5 METS.

b. The Career Progression table was updated, moving the Night Systems Qualification requirement to the 1000 Phase training being conducted at the Fleet Replacement Squadron, VMAQT-1.

c. The device option for 6 Events in the 3000 Phase was changed from "aircraft only" to "aircraft preferred, simulator optional."

d. The Mission Commander Under Training syllabus now mandates that 3 of the 6 Plan And Brief items shall be executed in the simulator or the aircraft.

4. Information. Recommended changes to this Manual should be submitted via the syllabus sponsor and the appropriate chain of command to: Commanding General (CG), Training and Education Command (TECOM), Marine Air Ground Task Force Training and Education Standards Division (MTESD) (C 466), Aviation Standards Branch using standard Naval correspondence or the Automated Message Handling System plain language address: CG TECOM MTESD.

5. Command. This Manual is applicable to the Marine Corps Total Force.

6. Certification. Reviewed and approved this date.

J. W. LUKEMAN
By direction

DISTRIBUTION: PCN 10033193700

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Subj: EA-6B TRAINING AND READINESS MANUAL

Ref: (a) NAVMC 3500.14C

Encl: (1) EA-6B T&R Manual

1. Purpose. To transmit an administrative correction to the basic EA-6B cover letter.

2. Action. Change the name of the Enclosure in the basic EA-6B cover letter from "KC-130J T&R Manual" to "EA-6B T&R Manual."

3. Information. Recommended changes to this Manual should be submitted via the syllabus sponsor and the appropriate chain of command to: Commanding General (CG), Training and Education Command (TECOM), Marine Air Ground Task Force Training and Education Standards Division (MTESD) (C 466), Aviation Standards Branch using standard Naval correspondence or the Automated Message Handling System plain language address: CG TECOM MTESD.

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CHAPTER 1

EA-6B TRAINING AND READINESS UNIT REQUIREMENTS

VMAQ

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CHAPTER 1

EA-6B TRAINING AND READINESS UNIT REQUIREMENTS

1.0 TRAINING AND READINESS REQUIREMENTS. The goal of Marine Aviation is to attain and maintain combat readiness to support Expeditionary Maneuver Warfare while conserving resources. The standards established in this program are validated by subject matter experts to maximize combat capabilities for assigned METs. These standards describe and define unit capabilities and requirements necessary to maintain proficiency in mission skills and combat leadership. Training Events are based on specific requirements and performance standards to ensure a common base of training and depth of combat capability.

1.1 MISSION

1.1.1 VMAQ Tactical squadron. Support the MAGTF Commander by conducting airborne electronic warfare, day or night, under all weather conditions during expeditionary, joint, or combined operations.

1.1.2 VMAQT Fleet Replacement Squadron. Conduct Core Skill Introduction training for selected aircrews in the EA-6B in order to successfully achieve the assigned annual aircrew training requirement.

1.2 TABLE OF ORGANIZATION (T/O). Refer to Table of Organization managed by Total Force Structure, MCCDC, for current authorized organizational structure and personnel strength for VMAQ EA-6B squadrons. As of this publication date, VMAQ squadrons are authorized:

1.2.1 VMAQ Tactical Squadron

VMAQ squadron	
T/O 8880	
6 Aircraft	
Crew Composition	Total(s)
Pilots	9
ECMOs	25

1.2.2 VMAQT Fleet Replacement Squadron (FRS)

VMAQT	
T/O 8550	
6 Aircraft	
Crew Composition	Total(s)
Pilots	10
ECMOs	14

1.3 MISSION ESSENTIAL TASK LIST (METL). The METL is comprised of specified capabilities-based Mission Essential Tasks (METs) which a unit is designed to execute. METs are drawn from the Marine Corps Task List (MCTL), are standardized by type unit, and defined as Core or Core Plus METs. Core METs are those tasks that a unit is expected to execute at all times, and are the only METs used in reporting the Training Level (T-Level) for the Core Mission (C-Level) in the Defense Readiness Reporting System – Marine Corps (DRRS-MC). Core Plus METs identify additional capabilities to support missions or plans which are limited in scope, theater specific, or have a lower probability of execution. Core Plus METs may be included in readiness reporting when contained within an Assigned Mission METL. An Assigned Mission METL consists of only selected METs (drawn from Core and Core Plus METs) necessary to conduct the assigned mission. MCO 3000.13 provides additional information on readiness reporting.

VMAQ		
MISSION ESSENTIAL TASK LIST (METL)		
CORE		
MET	**ABBREVIATION**	**DESCRIPTION**
MCT 1.3.3.3.2	**EXP**	Conduct Aviation Operations From Expeditionary Shore-Based Sites
MCT 3.2.3.2.1	**SEAD**	Conduct Suppression of Enemy Air Defenses
MCT 3.2.3.3	**EA**	Conduct Electronic Attack
MCT 5.4.1.2.3	**ES**	Conduct Electronic Warfare Support
MCT 6.1.1.11	**AE**	Conduct Aerial Escort
CORE PLUS		
MET	**ABBREVIATION**	**DESCRIPTION**
MCT 1.3.3.3.1	**CQ**	Conduct Aviation Operations from Expeditionary Sea-Based Sites

1.4 MISSION ESSENTIAL TASK (MET) TO SIX FUNCTIONS OF MARINE AVIATION

VMAQ							
MISSION ESSENTIAL TASK (MET) TO SIX FUNCTIONS OF MARINE AVIATION							
CORE							
MET	**ABBREVIATION**	**SIX FUNCTIONS OF MARINE AVIATION**					
		OAS	**ASPT**	**AAW**	**EW**	**CoA&M**	**AerRec**
MCT 1.3.3.3.2	**EXP**	X	X	X	X		X
MCT 3.2.3.2.1	**SEAD**	X	X	X	X		X
MCT 3.2.3.3	**EA**	X	X	X	X		X
MCT 5.4.1.2.3	**ES**	X		X	X		X
MCT 6.1.1.11	**AE**	X		X	X		X
CORE PLUS							
MCT 1.3.3.3.1	**CQ**	X	X	X	X		X

1.5 MET TO CORE/MISSION/CORE PLUS SKILL MATRIX. Depicts the relationship between a MET and each Core/Mission/Core Plus/Mission Plus skill associated with the MET for readiness reporting and resource allocation purposes.

1.5.1 There shall be a one-to-one relationship between the MET and a corresponding Mission Skill.

VMAQ EA-6B																		
MET TO CORE/MISSION/CORE PLUS/MISSION PLUS SKILL MATRIX																		
MET	**CORE**												**CORE PLUS 4000 PHASE**					
	CORE SKILLS 2000 PHASE							**MISSION SKILLS 3000 PHASE**					**SKILLS**					**MISSION**
	FAM	**FORM**	**NS**	**AR**	**ES**	**EA**	**TRXN**	**EXP**	**SEAD**	**EA**	**AES**	**AE**	**FORM**	**AR**	**EW**	**DEFTAC**	**EAF**	**CQ**
MCT 1.3.3.3.2 **EXP**	X	X	X	X				**X**					X		X		X	
MCT 3.2.3.2.1 **SEAD**	X	X	X	X	X	X	X		**X**					X	X	X		
MCT 3.2.3.3 **EA**	X		X		X	X				**X**					X			
MCT 5.4.1.2.3 **ES**	X		X		X	X					**X**				X	X		
MCT 6.1.1.11 **AE**	X	X	X	X	X	X	X					**X**		X	X	X		
CORE PLUS																		
MCT 1.3.3.3.1 **CQ**	X													X				X

1.6 MISSION ESSENTIAL TASK (MET) OUTPUT STANDARDS. The following MET output standards are the required level of performance a VMAQ (EA-6B) squadron must be capable of sustaining during contingency operations by MET to be considered MET-ready.

1.6.1 Output standards will be demonstrated through the incorporation of unit training Events.

1.6.2 A core capable VMAQ (EA-6B) squadron is able to sustain the number of sorties listed below on a daily basis during contingency/combat operations. The sortie rates are based on 4.0 hour average sortie duration. It assumes >70% FMC aircraft and >90% T/O aircrew on hand. If unit FMC aircraft is <70% or T/O aircrew <90%, core capability will be degraded by a like percentage."

VMAQ EA-6B			
MET OUTPUT STANDARDS MATRIX			
CORE			
MET	**ABBREVIATION**	**MAXIMUM SORTIES PER MET**	**MAXIMUM DAILY SORTIES**
MCT 1.3.3.3.2	**EXP**	4	4
MCT 3.2.3.2.1	**SEAD**	4	
MCT 3.2.3.3	**EA**	4	
MCT 5.4.1.2.3	**ES**	4	
MCT 6.1.1.11	**AE**	4	
CORE PLUS			
MET	**ABBREVIATION**	**MAXIMUM SORTIES PER MET**	
MCT 1.3.3.3.1	**CQ**	4	

1.7 CORE MODEL MINIMUM REQUIREMENTS (CMMR) TRAINING STANDARDS FOR READINESS REPORTING (DRRS-MC). The paragraphs and tables below delineate the minimum aircrew qualifications and designations required to execute the MET training standards and MET observed standards of para 1.6. MCO 3000.13 Readiness Reporting provides additional guidance and a detailed description of readiness reporting using DRRS-MC.

1.7.1 The CMMR Readiness Reporting Matrix depicts the minimum crew composition (defined as a combination of qualifications and designations) reflecting the number of crews required per MET and minimum Combat Leadership requirements for readiness reporting purposes. The number of crews formed using the below minimum standards per crew capture the readiness capability of a squadron to perform the MET sortie.

VMAQ EA-6B						
MET OUTPUT STANDARDS MATRIX						
CORE						
MET	**ABBREVIATION**	**CREW POSITION**				**CREWS PER MET**
		PILOT	**ECMO 1**	**ECMO 2**	**ECMO 3**	
MCT 1.3.3.3.2	**EXP**	MSP	MSP	CSP	CSP	4
MCT 3.2.3.2.1	**SEAD**	MSP	MSP	MSP	MSP	4
MCT 3.2.3.3	**EA**	MSP	MSP	MSP	MSP	4
MCT 5.4.1.2.3	**ES**	MSP	MSP	MSP	MSP	4
MCT 6.1.1.11	**AE**	MSP	MSP	MSP	MSP	4
CORE PLUS						
MCT 1.3.3.3.1	**CQ**	MSP, CQ	MSP	CSP	CSP	4
COMBAT LEADERSHIP						
DESIGNATION		**PILOTS**			**ECMOs**	
SECTION LEADER		4			N/A	
DIVISION LEADER		2			N/A	
MISSION COMMANDER		11[1]				
Note[1] Recommended make-up 3 Pilots and 8 ECMO Mission Commanders.						

1.8 CORE MODEL TRAINING STANDARD (CMTS). The CMTS is the optimum training standard reflecting the number of pilots trained to CSP/MSP, per crew position to execute each Stage of flight as detailed below. The CMTS Matrix depicts the training goal and optimum depth of training desired for each squadron as they develop their squadron training plan. It is not utilized for readiness reporting (DRRS-MC) purposes. At a minimum, the CMTS shall enable a squadron to form Core Model Minimum Requirement (CMMR) crews for Mission Skills (and Mission Plus Skills when required).

VMAQ EA-6B		
CORE MODEL TRAINING STANDARD (CMTS)		
CORE/MISSION/CORE PLUS SKILLS CREW POSITION PROFICIENCY REQUIREMENTS		
CORE SKILLS (2000 PHASE)		
CORE SKILLS	**PILOTS**	**ECMOs**
FAM/	5	5
FORM	5	5
NS	5	15
AR	5	5
ES	5	15
EA	5	15
TRXN	5	15
MISSION SKILLS (3000 PHASE)		
MISSION SKILLS	**PILOTS**	**ECMOs**
EXP	4	4
SEAD	4	12
EA	4	12
ES	4	12
AE	4	12
CORE PLUS SKILLS (4000 PHASE)		
CORE PLUS SKILLS	**PILOTS**	**ECMOs**
FORM	2(5)	2(5)
AR	2(4)	2(4)
EW	2(4)	4(6)
DEFTAC	3(4)	4(9)
EAF	2(5)	2(5)
MISSION PLUS (4000 PHASE)		
CQ	2(8)	2(5)

Note[1]: In the Core Plus METS the first number represents the number of individuals the squadron is expected to train at all times in order to retain a cadre of capability within the squadron. The second number represents the number of MET capable individuals the squadron should train if that MET becomes required within an Assigned Mission/Directed Mission Set.

1.9 INSTRUCTOR DESIGNATIONS

1.9.1 VMAQ INSTRUCTOR DESIGNATIONS

VMAQ EA-6B		
INSTRUCTOR DESIGNATIONS (5000 Phase)		
DESIGNATION	**PILOTS****	**ECMOs****
NATOPS Evaluation	NA	NA
NATOPS I	1	1
Asst NATOPS I	2	2
Instrument	2	2
FLSE	2	2
LSO	2	NA
DEFTACI	1	1
NSI	2	2
EWTO	2	2
WTI	1	2
CRM I*	NA	NA
CRM F*	NA	NA

1.9.2 VMAQT INSTRUCTOR DESIGNATIONS

VMAQT EA-6B		
INSTRUCTOR DESIGNATIONS (5000 Phase)		
DESIGNATION	**PILOTS****	**ECMOs****
NATOPS Evaluator	1	1
NATOPS I	2	2
Instrument	T/O	T/O
Field LSO	3	NA
NSI	4	3
WTI	1	2
CRM I	1	1
CRM F	T/O	T/O
BAMI	3	3
DIV/AR Lead	3	NA
DIV/ AR IE	NA	4

1.10 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (RCQD)

VMAQ EA-6B		
REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, DESIGNATIONS (RCQD) (6000 Phase)		
DESIGNATION	**PILOTS**	**ECMOs**
FCF	4[1]	4[1]

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APPENDIX A

VMAQ

Core

MCT 1.3.3.3.2	Conduct Aviation Operations From Expeditionary Shore-Based Sites (EXP)
MCT 3.2.3.2.1	Conduct Suppression of Enemy Air Defenses (SEAD)
MCT 3.2.3.3	Conduct Aviation Electronic Attack (EA)
MCT 5.4.1.2.3	Conduct Electronic Warfare Support (ES)
MCT 6.1.1.11	Conduct Aerial Escort (AE)

Core Plus

MCT 1.3.3.3.1	Conduct Aviation Operations From Expeditionary Sea-Based Sites (CQ)

CORE

MCT 1.3.3.3.2 Conduct Aviation Operations From Expeditionary Shore-Based Sites (EXP)

Conditions:

C 1.3.2.1 Light
Light available to illuminate objects from natural or manmade sources. Descriptors: Bright (sunny day); Day (overcast day); low (dusk, dawn, moonlit, streetlight lit); Negligible (overcast night)

Standards:

Personnel
- 6 aircrews formed
- 90% of squadron T/O personnel MOS qualified and deployable
  - And Level 2 (L2) IAW ALERTS.
- 100% critical MOS fill

Equipment
- 70% Full Mission Capable (FMC) aircraft of PAA (3 aircraft)
  OR
  Upon establishment, 100 percent RFT entitlement IAW T/M/S standard.
- Operational support equipment fully supports MCT

Training
- 4 Crews EXP Mission Skill Proficient IAW T&R requirements

Output Standards
- 4 sorties daily sustained during contingency/combat operations

MCT 3.2.3.2.1 Conduct Suppression of Enemy Air Defenses (SEAD)

Conditions:

C 2.7.2 Air Superiority
The extent to which operations in the air, over sea and/or, over land can be conducted with acceptable losses due to hostile air forces and air defense systems action. Descriptors: Full (Air Supremacy); General; Local; No

Standards:

Personnel
- 6 aircrews formed
- 90% of squadron T/O personnel MOS qualified and deployable
  - And Level 2 (L2) IAW ALERTS.
- 100% critical MOS fill

Equipment
- 70% Full Mission Capable (FMC) aircraft of PAA (3 aircraft)
  OR
  Upon establishment, 100 percent RFT entitlement IAW T/M/S standard.
- Operational support equipment fully supports MCT

Training
- 4 Crews SEAD Mission Skill proficient IAW T&R requirements

Output Standards
- 4 sorties daily sustained during contingency/combat operations

MCT 3.2.3.3 Conduct Aviation Electronic Attack (EA)

Conditions:

C 2.7.2 Air Superiority
The extent to which operations in the air, over sea and/or, over land can be conducted with acceptable losses due to hostile air forces and air defense systems action. Descriptors: Full (Air Supremacy); General; Local; No

Standards:

Personnel
- 6 aircrews formed
- 90% of squadron T/O personnel MOS qualified and deployable
  - And Level 2 (L2) IAW ALERTS.
- 100% critical MOS fill

Equipment
- 70% Full Mission Capable (FMC) aircraft of PAA (3 aircraft)
  OR
  Upon establishment, 100 percent RFT entitlement IAW T/M/S standard.
- Operational support equipment fully supports MCT

Training
- 4 Crews EA Mission Skill proficient IAW T&R requirements

Output Standards
- 4 sorties daily sustained during contingency/combat operations

MCT 5.4.1.2.3 Conduct Electronic Warfare Support (ES)

Conditions:

C 2.7.2 Air Superiority
The extent to which operations in the air, over sea and/or, over land can be conducted with acceptable losses due to hostile air forces and air defense systems action. Descriptors: Full (Air Supremacy); General; Local; No

Standards:

Personnel
- 6 aircrews formed
- 90% of squadron T/O personnel MOS qualified and deployable
  - And Level 2 (L2) IAW ALERTS.
- 100% critical MOS fill

Equipment
- 70% Full Mission Capable (FMC) aircraft of PAA (3 aircraft)
  OR

Upon establishment, 100 percent RFT entitlement IAW T/M/S standard.
- Operational support equipment fully supports MCT

Training
- 4 Crews ES Mission Skill proficient IAW T&R requirements

Output Standards
- 4 sorties daily sustained during contingency/combat operations

MCT 6.1.1.11 Conduct Aerial Escort (AE)

Conditions:

C 2.7.2 Air Superiority
The extent to which operations in the air, over sea and/or, over land can be conducted with acceptable losses due to hostile air forces and air defense systems action. Descriptors: Full (Air Supremacy); General; Local

Standards:

Personnel
- 6 aircrews formed
- 90% of squadron T/O personnel MOS qualified and deployable
  - And Level 2 (L2) IAW ALERTS.
- 100% critical MOS fill

Equipment
- 70% Full Mission Capable (FMC) aircraft of PAA (3 aircraft)
  OR

Upon establishment, 100 percent RFT entitlement IAW T/M/S standard.
- Operational support equipment fully supports MCT

Training
- 4 Crews AE Mission Skill proficient IAW T&R requirements

Output Standards
- 4 sorties daily sustained during contingency/combat operations

Core Plus

MCT 1.3.3.3.1 Conduct Aviation Operations From Expeditionary Sea-Based Sites (CQ)

Conditions:

C 1.3.2.1 Light
Light available to illuminate objects from natural or manmade sources. Descriptors: Bright (sunny day); Day (overcast day); low (dusk, dawn, moonlit, streetlight lit); Negligible (overcast night)

Standards:

Personnel
- 6 aircrews formed
- 90% of squadron T/O personnel MOS qualified and deployable
  - And Level 2 (L2) IAW ALERTS.
- 100% critical MOS fill

Equipment
- 70% Full Mission Capable (FMC) aircraft of PAA (3 aircraft)

OR

Upon establishment, 100 percent RFT entitlement IAW T/M/S standard.
- Operational support equipment fully supports MCT

Training
- 4 Crews CQ Core Plus Mission Skill proficient IAW T&R requirements

Output Standards
- 4 sorties daily sustained during contingency/combat operations

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APPENDIX B

ABBREVIATIONS

VMAQ EA-6B	
ABBREVIATION	**CORE SKILL**
AAM	AIR TO AIR MISSILE
ADA	AIR DEFENSE ARTILLERY
AE	AERIAL ESCORT
AI	AIR INTERDICTION
AR	AERIAL REFUELING
CAS	CLOSE AIR SUPPORT
CSAR	COMBAT SEARCH AND RESCUE
DEFTAC	DEFENSIVE TACTICS
DEFTACI	DEFENSIVE TACTICS INSTRUCTOR
DL	DIVISION LEADER
DM	DEFENSIVE MANUEVER
EAF	EXPEDITIONARY AIRFIELD OPERATIONS
EP	EMERGENCY PROCEDURES
ES	ELECTRONIC WARFARE SUPPORT
EW	ELECTRONIC WARFARE
EXP	AVIATION OPERATIONS FROM EXPEDITIONARY SHORE-BASED SITES
FAM	FAMILIARIZATION
FCLP/CQ	FIELD CARRIER LANDING PRACTICE/CARRIER QUALIFICATION
FLSE	FLIGHT LEADERSHIP STANDARDIZATION EVALUATOR
FORM	FORMATION
FRECMO	FLEET REPLACEMENT ECMO
FRP	FLEET REPLACEMENT PILOT
JMPS	JOINT MISSION PLANNING SYSTEM
LSO	LANDING SIGNAL OFFICER
MOUT	MILITARY OPERATIONS IN URBAN TERRAIN
MTR	MILITARY TRAINING ROUTE
NAV	NAVIGATION
NS	NIGHT SYSTEMS
NSI	NIGHT SYSTEMS INSTRUCTOR
NSQ	NIGHT SYSTEMS QUALIFICATION
NVD	NIGHT VISION DEVICE
OBS	ON BOARD SYSTEM
RECCE	RECONNAISSANCE
SAM	SURFACE TO AIR MISSILE
SEAD	SUPPRESSION OF ENEMY AIR DEFENSES
SL	SECTION LEADER
SOI	SIGNALS OF INTEREST
SOP	STANDARD OPERATING PROCEDURE
TFS	TASK FORCE SUPPORT
TJS	TACTICAL JAMMING SYSTEM
TOT	TIME ON TARGET
TRAP	TACTICAL RECOVERY OF AIRCRAFT AND PERSONNEL
TRXN	THREAT REACTION
WTI	WEAPONS AND TACTICS INSTRUCTOR

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APPENDIX C

TERMS

T&R CORE MODEL TERMS	
TERM	**DEFINITION**
Core Model	The Core Model is the basic foundation or standardized format by which all T&Rs are constructed. The Core model provides the capability of quantifying both unit and individual training requirements and measuring readiness. This is accomplished by linking community Mission Statements, Mission Essential Task Lists, Output Standards, Core Skill Proficiency Requirements and Combat Leadership Matrices
Core Skill	Fundamental, environmental, or conditional capabilities required to perform basic functions. These basic functions serve as tactical enablers that allow crews to progress to the more complex Mission Skills. Primarily 2000 Phase events but may be introduced in the 1000 Phase.
Mission Skill	Mission Skills enable a unit to execute a specific MET. They are comprised of advanced event(s) that are focused on MET performance and draw upon the knowledge, aeronautical abilities, and situational awareness developed during Core Skill training. 3000 Phase events.
Core Plus Skill	Training events that can be theater specific or that have a low likelihood of occurrence. They may be Fundamental, environmental, or conditional capabilities required to perform basic functions. 4000 Phase events.
Core Plus Mission	Training events that can be theater specific or that have a low likelihood of occurrence. They are comprised of advanced event(s) that are focused on Core Plus MET performance and draw upon the knowledge, aeronautical abilities, and situational awareness. 4000 Phase events.
Core Skill Proficiency (CSP)	CSP is a measure of training completion for 2000 Phase events. CSP is attained by executing all events listed in the Attain Table for each Core Skill. The individual must be simultaneously proficient in all events within that Core Skill to attain CSP.
Mission Skill Proficiency (MSP)	MSP is a measure of training completion for 3000 Phase events. MSP is attained by executing all events listed in the Attain Table for each Mission Skill. The individual must be simultaneously proficient in all events within that Mission Skill to attain MSP. MSP is directly related to Training Readiness.
Core Plus Skill Proficiency (CPSP)	CPSP is a measure of training completion for 4000 Phase "Skill" events. CPSP is attained by executing all events listed in the Attain Table for each Core Plus Skill. The individual must be simultaneously proficient in all events within that Core Plus Skill to attain CPSP
Mission Plus Skill Proficiency (MPSP)	CPMP is a measure of training completion for 4000 Phase "Mission" events. CPMP is attained by executing all events listed in the Attain Table for each Core Plus Mission. The individual must be simultaneously proficient in all events within that Core Plus Mission to attain CPMP
Core Model Training Standard (CMTS)	CMTS is an objective optimum training standard used by squadrons that reflects the number of individuals trained to CSP/MSP, per crew position. The CMTS is for internal squadron planning only and is not utilized for readiness reporting. The numbers are determined by individual communities.
Core Model Minimum Requirement (CMMR)	CMMR represents the minimum crew definition qualifications and designations, the number of crews required per MET, and minimum Combat Leadership requirements for readiness reporting purposes.

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APPENDIX D

SIX FUNCTIONS OF MARINE AVIATION

SIX FUNCTIONS OF MARINE AVIATION		
FUNCTION	**ABBREVIATION**	**DESCRIPTION**
Offensive Air Support	**OAS**	OAS involves air operations that are conducted against enemy installations, facilities, and personnel in order to directly assist in the attainment of MAGTF objectives by destroying enemy resources or isolating enemy military forces. Its primary support of the warfighting functions is to provide fires and force protection through CAS and DAS.
Assault Support	**ASPT**	ASPT contributes to the warfighting functions of maneuver and logistics. Maneuver warfare demands rapid, flexible maneuverability to achieve a decision. Assault support uses aircraft to provide tactical mobility and logistic support to the MAGTF for the movement of high priority personnel and cargo within the immediate area of operations (or the evacuation of personnel and cargo).
Anti-Air Warfare	**AAW**	AAW is the actions used to destroy or reduce the enemy air and missile threat to an acceptable 1evel The primary purpose of AAW is to gain and maintain whatever degree of air superiority is required; this permits the conduct of operations without prohibitive interference by opposing air and missile forces. AAW's other purpose is force protection.
Electronic Warfare	**EW**	EW is any military action involving the use of electromagnetic and directed energy to control the electromagnetic spectrum or to attack the enemy. EW supports the warfighting functions of fires, command and control, and intelligence through the three major subdivisions: electronic attack, electronic protection, and electronic warfare support.
Control of Aircraft & Missiles	**CoA&M**	The control of aircraft and missiles supports the warfighting function of Command and Control. The ACE commander maintains centralized command, while control is decentralized and executed through the Marine Air Command and Control System (MACCS). CoA&M integrates the other five functions of Marine Aviation by providing the commander with the ability to exercise Command and Control authority over Marine Aviation assets.
Aerial Reconnaissance	**AerRec**	AerRec employs visual observation and/or sensors in aerial vehicles to acquire intelligence information. It supports the intelligence warfighting function and is employed tactically, operationally, and strategically. The three types of air reconnaissance are visual, multi-sensor imagery, and electronic.

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APPENDIX E

EXTERNAL SYLLABUS SUPPORT

ORDNANCE	INITIAL CREW(1)	REFRESHER CREW(2)	PROFICIENT CREW(3)	ANNUAL SQDN TOTALS
CATM	2	0	0	2
HARM	2	0	0	2
Chaff	800	800	800	2400
Flares	700	700	700	2100
PILOT (9)	3	3	3	
ECMO (25)	8	8	9	

General: In these calculations ordnance is always included on ordnance optional sorties, but S and S/A sorties are not included. Assumption is that Initial/Refresher syllabus may be completed in 1 year. Requirements are per EA-6B crew with the exception of CATM and HARM.

1. Initial Basic crews shall fly all 2000 and 3000 phase events.
2. Refresher crews shall fly all R coded 2000 and 3000 phase events.
3. Proficient crews are defined by the Core Skill Proficiency table on page 2-4 and their minimum annual ordnance requirements are driven by sorties in the Maintain Table (individual crew chapters).
4. Based on a full EA-6B T/O of 9 pilots and 25 ECMOs, with the assumption that roughly 1/3 fall into each POI.

CHAPTER 2

EA-6B PILOT AND ELECTRONIC COUNTERMEASURES OFFICER (ECMO)
INDIVIDUAL TRAINING AND READINESS REQUIREMENTS

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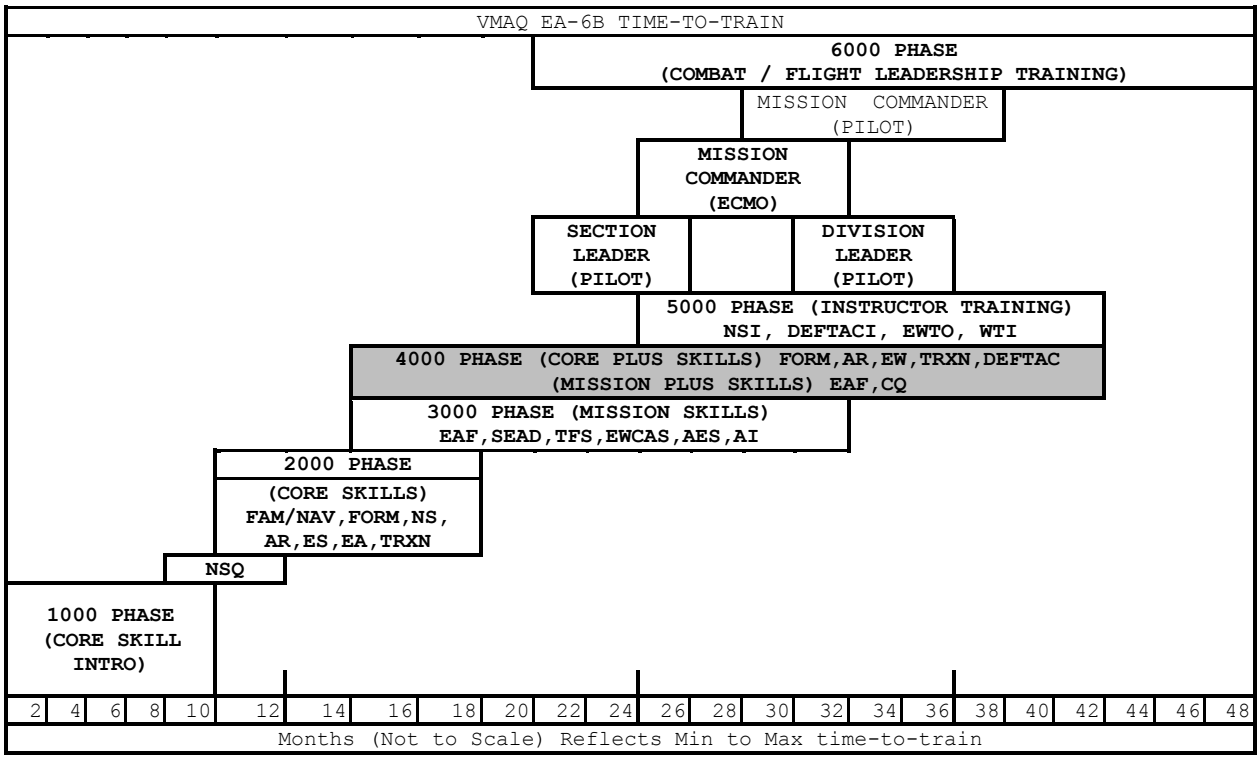
CHAPTER 2
EA-6B PILOT AND ELECTRONIC COUNTERMEASURES OFFICER (ECMO)
INDIVIDUAL TRAINING AND READINESS REQUIREMENTS

2.0 EA-6B INDIVIDUAL TRAINING AND READINESS REQUIREMENTS. This T&R Syllabus is based on specific goals and performance standards designed to ensure individual proficiency in Core and Mission Skills. The goal of this chapter is to develop individual and unit warfighting capabilities.

2.1 EA-6B INDIVIDUAL TRAINING PROGRESSION MODEL. This model represents the recommended training progression for the average EA-6B crewmember. Units should use the model as a point of departure to generate individual training plans.



2.2 INDIVIDUAL CORE/MISSION/CORE PLUS SKILL PROFICIENCY REQUIREMENTS

2.2.1 Management of individual CSP/MSP/CPSP/CPMP serves as the foundation for developing proficiency requirements in DRRS.

2.2.2 Individual CSP is a "Yes/No" status assigned to an individual by Core Skill. When an individual attains and maintains CSP in a Core Skill, the individual counts toward CMMR Unit CSP requirements for that Core Skill.

2.2.3 Proficiency is attained by individual Core/Mission/Core Plus Skill where the training events for each skill are determined by POI assignment.

2.2.4 Once proficiency has been attained by Core/Mission/Core Plus Skill (by any POI assignment) then the individual maintains proficiency by executing those events noted in the maintain table and in the "Maintain POI" column of the T&R syllabus matrix. An individual maintains proficiency by individual Core/Mission/Core Plus Skill.

Note

Individuals may be attaining proficiency in some Core/Mission/Core Plus Skills while maintaining proficiency in other Core/Mission/Core Plus Skills.

2.2.5 Once proficiency has been attained, should one lose proficiency in an event in the "Maintain POI" column, proficiency can be re-attained by demonstrating proficiency in the delinquent event. Should an individual lose proficiency in all events in the "Maintain POI" column by Core/Mission/Core Plus Skill, the individual will be assigned to the Refresher POI for that Skill. To regain proficiency for that Core/Mission/Core Plus Skill the individual must demonstrate proficiency in all R-coded events for that skill.

Note

See Aviation T&R Program Manual, Chapter 2 for amplifying information on POI updating.

2.2.6 VMAQ EA-6B Pilot Attain and Maintain Core/Mission/Core Plus Table

VMAQ EA-6B PILOT ATTAIN AND MAINTAIN TABLE					
(PILOT) ATTAIN PROFICIENCY				(PILOT) MAINTAIN PROFICIENCY	
BASIC POI		REFRESHER POI		MAINTAIN POI	
SKILL	EVENT#	SKILL	EVENT #	SKILL	EVENT #
Core Skills (2000 Phase)					
FAM	2000	FAM		FAM	
	2001				
	2002				
	2003				
	2004				
	2005				
	2006				
	S2100R		S2100R		S2100R
	S2101				
	2102R		2102R		2102R
	2103R		2103R		2103R
	2104R		2104R		2104R
	S2105				
	2106R		2106R		2106R
FORM	2010	FORM		FORM	
	2200				
	2201R		2201R		2201R
	2202R		2202R		2202R
NS	2020	NS		NS	
	2021				
	2022				
	2023				
	2300R		2300R		2300R
	2301				
	2302				
AR	2030	AR		AR	
	2031				
	2400R		2400R		
	2401R		2401R		2401R
ES	2040	ES		ES	
	2041				
	2042				
	2043				

VMAQ EA-6B PILOT ATTAIN AND MAINTAIN TABLE					
(PILOT) ATTAIN PROFICIENCY				(PILOT) MAINTAIN PROFICIENCY	
BASIC POI		REFRESHER POI		MAINTAIN POI	
SKILL	EVENT#	SKILL	EVENT #	SKILL	EVENT #
	2500				
	S2501R		S2501R		S2501R
	2503				
	2504R		2504R		2504R
EA	2050	EA		EA	
	2051				
	2052				
	2053				
	2054				
	2055				
	S2600				
	S2601				
	S2603R		2603R		2603R
	S2605				
	2607R		2607R		2607R
TRXN	2060	TRXN		TRXN	
	2061				
	2062				
	2063				
	2700				
	2701R		2701R		2701R
Mission Skills (3000 Phase)					
EXP	3100R	EXP	3100R	EXP	3100R
SEAD	3011	SEAD		SEAD	
	3020				
	S3200				
	3201R		3201R		3201R
EA	3000	EA		EA	
	3010				
	S3300				
	3301R		3301R		3301R
	S3302				
	3303R		3303R		3303R
	S3400				
	3401R		3401R		3401R
ES	S3500	ES		ES	
	3501R		3501R		3501R
AE	3030	AE		AE	
	S3600				
	3601R		3601R		3601R
Core Plus Skills (4000 Phase)					
FORM	4000	FORM		FORM	
	4100R		4100R		4100R
AR	4010	AR		AR	
	4200R		4200R		4200R
EW	4020	EW		EW	
	4021				
	4022				
	4023				
	4300R		4300R		4300R
	4303R		4303R		4303R
	4304R		4304R		4304R
	4305R		4305R		4305R
DEFTAC	4030	DEFTAC		DEFTAC	
	4031				
	4032				
	4033				
	4500R		4500R		4500R

VMAQ EA-6B PILOT ATTAIN AND MAINTAIN TABLE					
(PILOT) ATTAIN PROFICIENCY				(PILOT) MAINTAIN PROFICIENCY	
BASIC POI		REFRESHER POI		MAINTAIN POI	
SKILL	EVENT#	SKILL	EVENT #	SKILL	EVENT #
	S4501				
	4502R		4502R		4502R
EAF	4040	EAF		EAF	
	4041				
	S4600				
	4601R		4601R		4601R
	4602R		4602R		4602R
Mission Plus Skills (4000 Phase)					
CQ	4700	CQ		CQ	
	4701				
	S4702				
	4703R		4703R		4703R
	4704R		4704R		4704R

2.2.7 VMAQ EA-6B ECMO Attain and Maintain Core/Mission/Core Plus Table.

VMAQ EA-6B ECMO ATTAIN AND MAINTAIN TABLE					
(ECMO) ATTAIN PROFICIENCY				(ECMO) MAINTAIN PROFICIENCY	
BASIC POI		REFRESHER POI		MAINTAIN POI	
STAGE	EVENT #	STAGE	EVENT #	STAGE	EVENT #
Core Skills (2000 Phase)					
FAM	2000	FAM		FAM	
	2001				
	2002				
	2003				
	2004				
	2005				
	2006				
	S2100R		S2100R		S2100R
	S2101				
	2102R		2102R		2102R
	2103R		2103R		2103R
	2104R		2104R		2104R
	S2105				
	2106R		2106R		2106R
FORM	2010	FORM		FORM	
	2200				
	2201R		2201R		2201R
	2202R		2202R		2202R
NS	2020	NS		NS	
	2021				
	2022				
	2023				
	2300R		2300R		2300R
	2301				
	2302				
AR	2030	AR		AR	
	2031				
	2400R		2400R		
	2401R		2401R		2401R
ES	2040	ES		ES	
	2041				
	2042				
	2043				
	2500				
	S2501R		S2501R		S2501R

VMAQ EA-6B ECMO ATTAIN AND MAINTAIN TABLE					
(ECMO) ATTAIN PROFICIENCY				(ECMO) MAINTAIN PROFICIENCY	
BASIC POI		REFRESHER POI		MAINTAIN POI	
STAGE	EVENT #	STAGE	EVENT #	STAGE	EVENT #
	2502R		2502R		2502R
	2503R		2503R		2503R
	2504R		2504R		2504R
	2050				
	2051				
	2052				
	2053				
	2054				
	2055				
	S2600				
EA	S2601	EA		EA	
	2602R		2602R		2602R
	S2603R		S2603R		S2603R
	2604R		2604R		2604R
	S2605				
	S2606				
	2607R		2607R		2607R
	2608R		2608R		2608R
	2060				
	2061				
TRXN	2062	TRXN		TRXN	
	2063				
	2700				
	2701R		2701R		2701R
Mission Skills (3000 Phase)					
EXP	3100R	EXP	3100R	EXP	3100R
	3011				
SEAD	3020	SEAD		SEAD	
	S3200				
	3201R		3201R		3201R
	3000				
	3010				
	S3300				
EA	3301R	EA	3301R	EA	3301R
	S3302				
	3303R		3303R		3303R
	S3400				
	3401R		3401R		3401R
ES	S3500	ES		ES	
	3501R		3501R		3501R
	3030				
AE	S3600	AE		AE	
	3601R		3601R		3601R
Core Plus Skills (4000 Phase)					
FORM	4000	FORM		FORM	
	4100R		4100R		4100R
AR	4010	AR		AR	
	4200R		4200R		4200R
	4020				
	4021				
	4022				
	4023				
EW	4300R	EW	4300R	EW	4300R
	4303R		4303R		4303R
	4304R		4304R		4304R
	4305R		4305R		4305R
DEFTAC	4030	DEFTAC		DEFTAC	

VMAQ EA-6B ECMO ATTAIN AND MAINTAIN TABLE					
(ECMO) ATTAIN PROFICIENCY				(ECMO) MAINTAIN PROFICIENCY	
BASIC POI		REFRESHER POI		MAINTAIN POI	
STAGE	EVENT #	STAGE	EVENT #	STAGE	EVENT #
	4031				
	4032				
	4033				
	4500R		4500R		4500R
	S4501				
	4502R		4502R		4502R
	4040				
	4041				
EAF	S4600	EAF		EAF	
	4601R		4601R		4601R
	4602R		4602R		4602R
Mission Plus Skills (4000 Phase)					
	4700				
	4701				
CQ	S4702	CQ		CQ	
	4703R		4703R		4703R
	4704R		4704R		4704R

2.3 CERTIFICATION, QUALIFICATION AND DESIGNATION TABLES. The tables below delineate T&R events required to be completed to attain proficiency, and initial qualifications and designations. In addition to event requirements, all required stage lectures, briefs, squadron training, prerequisites, and other criteria shall be completed prior to completing final events. Certification, qualification and designation letters signed by the commanding officer shall be placed in Aircrew Performance Records (APR). Loss of proficiency in all qualification events causes the associated qualification to be lost. Regaining a qualification requires completing all R-coded syllabus events associated with that qualification.

INDIVIDUAL QUALIFICATION REQUIREMENTS	
Qualification	**Event Requirements**
NSQ	2300R, 2301, 2302
DEFTACQ	4500R, 4501, 4502R
FS NATOPS	6100, 6101, 6102, 6103
INSTRUMENT	6104, 6105, 6106, 6107
CRM	6108
R = Refresher POI events required for re-qualification	
INDIVIDUAL DESIGNATION REQUIREMENTS	
Designation	**Designation Requirements**
FIELD LSO	**There are no sorties required to field qualify an LSO; however, the individual does require evaluation of his performance during EAF/FCLP operations by a Training LSO.**
NSI	**5100 THROUGH 5103**
DEFTACI	**5200 THROUGH 5205**
WTI	**IAW the MAWTS-1 EA-6B Course Catalog.**
FCF Pilot / ECMO	**IAW NATOPS and local SOP. FCF-6700 check**
A NATOPS (I)	**IAW NATOPS and local SOP. NTPS-5403**
NATOPS (I)	**IAW NATOPS and local SOP. NTPS-5403**
INST EVAL	**IAW NATOPS and local SOP. INST-5600**
CRM (I)	**IAW OPNAV 1542.7C**
CRM FACILITOR	**IAW OPNAV 1542.7C**
EWTO	**5500 THROUGH 5502**
ORMI	**IAW NATOPS and local SOP. Complete applicable ORM training modules.**
FLSE	**Per Flight Leadership Program Model Manager requirements. FLSE-5300**
SEC LDR	**6200 through 6207**
DIV LDR	**6300 through 6304**
MSN CDR	**6400 through 6601**
R = Refresher POI events required for re-qualification	
FRS INDIVIDUAL DESIGNATION REQUIREMENTS	
Designation	**Designation Requirements**
FRS IP	IAW FRS SOP. 5700-5716
FRS IE	IAW FRS SOP. 5800-5820
FRS FIELD LSO	IAW FRS SOP. 5750-5756
FRS BAMI	IAW FRS SOP. 5730-5733
FRS DIV/AR LEAD	IAW FRS SOP. 5740-5744
FRS DIV/AR IE	IAW FRS SOP. 5770-5772

2.4. EA-6B PILOT AND ECMO PROGRAMS OF INSTRUCTION. These tables reflect average time-to-train versus the minimum to maximum time-to-train parameters in the Training Progression Model.

2.4.1 Basic POI

BASIC PILOT POI		
Weeks	**Phase of Instruction**	**Unit**
1-43	Core Skill Introduction (1000 Phase)	FRS
44-78	Core Skill Training	Tactical Squadron
58-124	Mission Skill Training	Tactical Squadron
125-151	Core Plus Training	Tactical Squadron

BASIC ECMO POI		
Weeks	**Phase of Instruction**	**Unit**
1-43	Core Skill Introduction (1000 Phase)	FRS
44-78	Core Skill Training	Tactical Squadron
58-121	Mission Skill Training	Tactical Squadron
121-148	Core Plus Training	Tactical Squadron

2.4.2 Refresher POI

REFRESHER PILOT POI		
Weeks	**Phase of Instruction**	**Unit**
1-12	Modified Refresher (CAT IV)	FRS
1-15	Refresher (CAT III)	FRS
12-38	Core Skill Training	Tactical Squadron
18-64	Mission Skill Training	Tactical Squadron
53-90	Core Plus Training	Tactical Squadron

REFRESHER ECMO POI		
Weeks	**Phase of Instruction**	**Unit**
1-11	Modified Refresher (CAT IV)	FRS
1-16	Refresher (CAT III)	FRS
12-39	Core Skill Training	Tactical Squadron
19-65	Mission Skill Training	Tactical Squadron
54-91	Core Plus Training	Tactical Squadron

2.5 ACADEMIC TRAINING

2.5.1 Academic training shall be conducted for each phase/stage of the syllabus. Where indicated, the standardized academic training materials exist and may be obtained from the sponsoring activity.

2.5.2 External academic courses of instruction available to complete the syllabus are listed below:

COURSE	ACTIVITY
Night Systems Instructor	NITE Lab/VMAQ/MAWTS-1
Defensive Tactics Instructor (DEFTACI)	VMAQ/MAWTS-1
Electronic Warfare Tactics Officer (EWTO)	MAWTS-1
Weapons and Tactics Instructor (WTI)	MAWTS-1
ARM University NAWC CHINA LAKE	
Crew Resource Management Instructor	NAS Pensacola
Landing Signal Officer (LSO)	LSO School/MAG-14
Information Operations Course	Various Locations
Surface to Air Missile University (SAM U)	MSIC
Joint Mission Planning System (JMPS) Course	Various Locations
Joint Multi-TDL School (Link-16)	Various Locations

SQUADRON LEVEL TRAINING

Operations/Local SOP/T&R Manual In-brief
TACSOP
Crew Resource Management
Course Rules Brief/Exam

TRAINING REFERENCES

Appropriate MAW Flight SOP
Appropriate MAG Flight SOP
Appropriate VMAQT Flight SOP

Appropriate MCAS Air Operations SOP
NATOPS General Flight and Operating Instructions
Landing Signal Officer NATOPS
NATOPS Instrument Flight Manual
CV NATOPS Manual
ATP-56(B) Refueling Manual
EA-6B NATOPS Flight Manual
EA-6B ICAP III Weapon System Operators Manual (WSOM)
EA-6B Tactical Manual NTTP 3-22.1/AFTTP 3-1.13
HARM Tactical Manual
VMAQ Tactical SOP
MAWTS-1 EA-6B Course Catalog
MAWTS-1 EA-6B Academic Support Package

VMAQT-1
Weapons Tactics and Training Program Order (WTTP)
TOPGUN Manual
JMPS Mission Planning Manual
ETIRMS

2.6 SYLLABUS NOTES

2.6.1 General

2.6.1.1 Mission guidance is generalized to allow for local conditions and to allow this document to remain unclassified. Squadrons are encouraged to use the full range of tactics contained in the tactical manuals, TACSOP, and to adopt the latest developed and proven tactics.

2.6.1.2 All flights shall terminate with a comprehensive debrief with emphasis on aircrew performance utilizing all evaluation techniques available (e.g., TACTS, EW Range, participating aircrews, and AIC personnel).

2.6.1.3 An Aircrew Training Form (ATF) is required for all initial events and E-coded events. Each stage description identifies evaluating aircrew responsibilities.

2.6.1.4 The Aviation T&R Program Manual is the Marine Corps aircrew training document. It relates the training requirements and standards for Marine aircrew. When operational commanders assign EA-6B squadrons to prolonged commitments where specific EA-6B T&R training is not available (e.g., deployed), it is expected that degradation in some mission areas will occur. Commanding officers are authorized and encouraged to employ the EA-6B in specific missions relating to their current situation and avoid those mission areas not relevant to their situation. It is not intended for squadrons to train to specific mission areas and avoid training in areas that are difficult to coordinate. This type of mission specific training is granted only to squadron commanding officers deployed in austere conditions that prevent them from executing the EA-6B T&R manual as written.

2.6.1.5 The sequence of events in the Basic/Conversion/Transition POI progresses in a systematic manner and should be accomplished in order.

2.6.1.6 Flight simulators will be utilized to the maximum extent possible. To enhance flight training and airborne proficiency, simulators shall be flown as a prerequisite for all stages of training that require a simulator event when squadrons are located near mission capable simulators. In locations where mission capable simulators are not available, stage simulator events shall not be prerequisites for stage flights and are not required to be completed until a mission capable simulator is later available.

2.6.1.7 Crew Resource Management (CRM) shall be briefed for all flights and/or events.

2.6.2 Event Requirements and Mission Performance Standards. Requirements and performance standards are listed in each T&R event description. These are training standards for individual aircrew performance and should be used by the evaluator as a guideline to determine the satisfactory completion of each event. If the aircrew did not successfully complete all requirements and performance standards, the evaluating officer shall determine if the event is complete or incomplete. If incomplete, the event T&R code shall not be logged and the event re-flown. If complete, all applicable aircrew log the appropriate codes; in addition, all aircrew should log lower level event codes when the performance standards of the lower level events have been met. The Mission Commander shall determine which codes are logged in M-SHARP.

2.6.3 Environmental Conditions Matrix

Environmental Conditions	
Code	**Meaning**
D	Shall be flown or conducted during day
N	Shall be flown or conducted at night, aided or unaided
(N)	May be flown or conducted day or night; if at night, may be flown aided or unaided
NS	Must be flown at night utilizing available night systems
(NS)	May be flown at night; if flown at night, available night systems shall be utilized
N*	Event shall be flown or conducted at night unaided
(N*)	Event may be flown or conducted at night; if at night, shall be flown unaided.
Note – If the event is to be flown in the simulator the Simulator Instructor shall set the desired environmental conditions for the event.	

2.6.4 Device Matrix

DEVICE	
Symbol	**Meaning**
S	Simulator event only
A	Aircraft event only
T	Trainer
S/A	Simulator preferred/Aircraft optional
S/A/T	Simulator preferred/Aircraft optional/Trainer optional
A/S	Aircraft preferred/Simulator optional
FS	Front Seat
BS	Back Seat

LEC	Lecture
CBT	Computer Based Training
Note – If the event is to be flown in the simulator the Simulator Instructor shall set the desired environmental conditions for the event.	

2.6.4 Event Terms

EVENT TERMS	
TERM	**DESCRIPTION**
Discuss	An explanation of systems, procedures, or maneuvers during the brief, in flight, or post flight. Student is responsible for knowledge of procedures.
Demonstrate	The evaluator performs the task with accompanying description. The aircrew under instruction (AUI) observes the task and is responsible for the knowledge of the procedures prior to the sortie.
Introduce	The instructor may demonstrate a procedure or maneuver to a student, or may coach the AUI through the maneuver without demonstration. The AUI shall perform the task or maneuver with coaching as necessary and is responsible for knowledge of the procedures prior to the sortie.
Practice	The performance of a maneuver or procedure by the AUI/Student that may have been previously introduced in order to attain a specified level of performance.
Review	Demonstrated proficiency of a maneuver by the AUI/Student.
Evaluate	Any flight designed to evaluate aircrew standardization that does not fit another category.
E-Coded	This term means an event evaluation form is required each time the event is logged. Requires evaluation by a certified standardization instructor (NATOPS I, WTI, INST Evaluator, etc.

2.7 CORE SKILL INTRODUCTION FRS ACADEMIC PHASE (0000)

2.7.1 General

2.7.1.1 Core Skill Introduction FRS Academic phase is conducted at the VMAQT FRS, MCAS Cherry Point. The training consists of academics and mission planning, and runs concurrent with Core Skill Introduction phase.

2.7.1.2 Stages. The following stages are included in the Core Skill Introduction Phase of training.

Par No.	Stage Name
2.7.2	Introduction to the EA-6B (AIFN)
2.7.3	Basic Electronic Warfare Academics (ABEW)
2.7.4	Advanced Electronic Warfare Academics (AAEW)
2.7.5	Tactics Academics (ATAC)
2.7.6	Familiarization, Formation and Navigation Academics (AFAM)

2.7.2 Introduction to the EA-6B (AIFN). To introduce Fleet Replacement Aircrew to the various systems of the EA-6B.

AIFN-0000	8.0	*	B,R,MR	*	*	LEC

Description. Class check-in.

AIFN-0001	1.5	*	B,R,MR	*	*	LEC

Description. Intro to local course rules and squadron SOP.

AIFN-0002	1.0	*	B,R,MR	*	*	LEC

Description. Intro to EA-6B engine and related systems.

AIFN-0003	1.0	*	B,R,MR	*	*	LEC

Description. Intro to EA-6B fuel systems.

AIFN-0004	1.0	*	B,R,MR	*	*	LEC

Description. Intro to EA-6B hydraulic systems.

AIFN-0005	1.0	*	B,R,MR	*	*	LEC

Description. Intro to EA-6B flight controls and related systems.

AIFN-0006	1.0	*	B,R,MR	*	*	LEC

Description. Into to EA-6B ECS and bleed air systems.

AIFN-0007	1.0	*	B,R,MR	*	*	LEC

Description. Intro to EA-6B electrical systems.

AIFN-0008	1.0	*	B,R,MR	*	*	LEC

Description. Intro to EA-6B ground and take-off emergencies. Bold-face procedures only.

AIFN-0009	1.0	*	B,R,MR	*	*	LEC

Description. Intro to EA-6B inflight emergencies. Bold-face procedures only.

AIFN-0010	1.0	*	B,R,MR	*	*	LEC

Description. Intro to EA-6B landing emergencies. Bold-face procedures only.

AIFN-0011	1.0	*	B,R,MR	*	*	LEC

Description. EA-6B Crew Responsibilities

AIFN-0012	1.0	*	B,R,MR	*	*	CBT

Description. Intro to training systems.

AIFN-0013 1.0 * B,R,MR * * VIDEO

Description. Intro to EA-6B ejection seats.

AIFN-0014 1.0 * B,R,MR * * CBT

Description. Intro to EA-6B communications systems.

AIFN-0015 1.0 * B,R,MR * * CBT

Description. Intro to the ARC-210 radio system.

AIFN-0016 1.0 * B,R,MR * * CBT

Description. Intro to the ARC-199 radio system.

AIFN-0017 1.0 * B,R,MR * * CBT

Description. Intro to the AR-3000 Regency scanner.

AIFN-0018 1.0 * B,R,MR * * CBT

Description. Intro to the EA-6B ICS.

AIFN-0019 2.0 * B,R,MR * * FAM

Description. Intro to the EA-6B cockpits.

AIFN-0020 1.0 * B,R,MR * * FAM

Description. EA-6B Seat Brief.

AIFN-0021 2.0 * B,R,MR * * LEC

Description. Crew Resource Management

AIFN-0022 1.0 * B,R,MR * * LEC

Description. Operational Risk Management

AIFN-0023 2.0 * B,R,MR * * LEC

Description. Sensory Problems/Spatial Disorientation

AIFN-0024 2.0 * B, R, MR * * LEC

Description. Hypoxia Awareness Training.

AIFN-0025 2.0 * B, R, MR * * EXAM

Description. NATOPS bold-face and limits exam.

2.7.3 Basic Electronic Warfare Academics (ABEW). To introduce Fleet Replacement Aircrew to the fundamentals of Electronic Warfare.

ABEW-0100 2.0 * B * * LEC

Description. Class check-in.

ABEW-0101	2.0	*	B	*	*	LEC

Description. Security of Classified Information (AVEWS Unit 1).

ABEW-0102	2.0	*	B	*	*	LEC

Description. Joint Information Warfare Foundations (AVEWS Unit 2).

ABEW-0103	1.0	*	B	*	*	REVIEW

Description. Exam review.

ABEW-0104	1.0	*	B	*	*	EXAM

Description. Exam.

ABEW-0105	0.5	*	B	*	*	LEC

Description. Introduction to Electromagnetic Energy.

ABEW-0106	3.0	*	B	*	*	LEC

Description. Introduction to Electromagnetic Applications.

ABEW-0107	3.0	*	B	*	*	LEC

Description. Basic Radar Operation (AVEWS Unit 3.3).

ABEW-0108	2.0	*	B	*	*	LEC

Description. Advanced Radar Operating Principles.

ABEW-0109	4.0	*	B	*	*	LEC

Description. Missile Guidance Techniques (AVEWS Unit 3.5).

ABEW-0110	1.0	*	B	*	*	REVIEW

Description. Review.

ABEW-0111	1.0	*	B	*	*	EXAM

Description. Exam.

ABEW-0112	1.0	*	B	*	*	LEC

Description. Jamming Fundamentals, Principles and Techniques.

ABEW-0113	2.0	*	B	*	*	LEC

Description. Deception and Confusion EA and EP: Indirect .

ABEW-0114	2.0	*	B	*	*	LEC

Description. Deception and Confusion EA and EP: Direct Threats.

ABEW-0116	2.0	*	B	*	*	LEC

Description. Communications Jamming and Protect Techniques
.

ABEW-0118	2.0	*	B	*	*	LEC

Description. Low Observable Technology (AVEWS Unit 4.7).

ABEW-0119	2.0	*	B	*	*	LEC

Description. Electronic Warfare Support Receivers, Data Links and Techniques.

ABEW-0120	1.0	*	B	*	*	REVIEW

Description. Review.

ABEW-0121	1.0	*	B	*	*	EXAM

Description. Exam.

ABEW-0122	1.0	*	B	*	*	LEC

Description. Intro to classified publications, IADS and SEAD.

ABEW-0123	2.0	*	B	*	*	CBT

Description. Early Warning and Indirect Threat Radars.

ABEW-0124	2.0	*	B	*	*	CBT

Description. Land-based Fixed SAM Systems.

ABEW-0125	2.0	*	B	*	*	CBT

Description. Mobile Radar SAM systems.

ABEW-0126	2.0	*	B	*	*	CBT

Description. IR SAM Systems.

ABEW-0127	2.0	*	B	*	*	CBT

Description. Non-Radar, Non-IR SAM Systems.

ABEW-0128	1.0	*	B	*	*	LEC

Description. ADA Systems.

ABEW-0131	1.0	*	B	*	*	LEC

Description. Intro to the Airborne Environment.

ABEW-0132	4.0	*	B	*	*	CBT

Description. FSU/PRC Fighter and Attack Aircraft and Associated Weapon Systems.

ABEW-0133	3.0	*	B	*	*	CBT

Description. FSU/PRC Bombers and Surveillance Aircraft.

ABEW-0134	4.0	*	B	*	*	CBT

Description. US/Allied Fighter and Attack Aircraft and Associated Weapon Systems.

ABEW-0135	2.0	*	B	*	*	LEC

Description. US/Allied Electronic Attack Aircraft.

ABEW-0136	2.0	*	B	*	*	CBT

Description. Miscellaneous Emitters.

ABEW-0139	1.0	*	B	*	*	CBT

Description. Intro to the Maritime Environment.

ABEW-0140	1.0	*	B	*	*	CBT

Description. Naval Non-Threat Emitters.

ABEW-0141	1.0	*	B	*	*	CBT

Description. Naval Indirect Threat Emitters.

ABEW-0142	2.0	*	B	*	*	CBT

Description. Naval SAMs.

ABEW-0143	1.0	*	B	*	*	CBT

Description. Naval SSMs.

ABEW-0144	1.0	*	B	*	*	CBT

Description. Naval ADA.

ABEW-0145	1.0	*	B	*	*	REVIEW

Description. Review.

ABEW-0146	1.0	*	B	*	*	EXAM

Description. Exam.

ABEW-0159	2.0	*	B	*	*	FAM

Description. Backseat simulator familiarization.

2.7.4 Advanced Electronic Warfare Academics (AAEW). To introduce Fleet Replacement Aircrew to the capabilities of the EA-6B in Electronic Warfare.

AAEW-0300	1.0	*	B	*	*	LEC

Description. Intro to the EA-6B Integrated Weapon System.

AAEW-0301	1.0	*	B	*	*	LEC

Description. Intro to EA-6B mission planning (JMPS).

AAEW-0302	2.0	*	B	*	*	LEC

Description. ALQ-218 TJSR overview.

AAEW-0303	1.5	*	B	*	*	CBT

Description. PDD/TDS controls and displays.

AAEW-0304	3.0	*	B	*	*	JMPS

Description. JT-1 Profile Planning.

AAEW-0305	1.5	*	B	*	*	LEC

Description. TJSR signal processing.

AAEW-0306	2.0	*	B	*	*	LEC

Description. Task analysis and mission administration.

AAEW-0307	1.5	*	B	*	*	CBT

Description. TJSR libraries and files.

AAEW-0308	3.0	*	B	*	*	JMPS

Description. JT-2 ETIRMS.

AAEW-0309	1.5	*	B	*	*	CBT

Description. TJSR initialization.

AAEW-0310	2.0	*	B	*	*	LEC

Description. Order of battle (OOB) and threat analysis.

AAEW-0311	3.0	*	B	*	*	JMPS

Description. JT-3 OOB and threat analysis II.

AAEW-0312	1.5	*	B	*	*	CBT

Description. Signal analysis displays and functions.

AAEW-0313	1.5	*	B	*	*	LEC

Description. Signal analysis and identification.

AAEW-0314	2.0	*	B	*	*	LEC

Description. JMPS mission gameplan/phase operations.

AAEW-0315	1.5	*	B	*	*	LEC

Description. IBS and MATT/IDM System Description.

AAEW-0316	1.5	*	B	*	*	LEC

Description. MATT normal procedures.

AAEW-0317	1.5	*	B	*	*	CBT

Description. TJS management.

AAEW-0318	2.0	*	B	*	*	REVIEW

Description. Exam review.

AAEW-0319	2.0	*	B	*	*	EXAM

Description. Exam.

AAEW-0320	1.0	*	B	*	*	LEC

Description. Intro to TJSR radar engagement.

AAEW-0321	2.0	*	B	*	*	LEC

Description. PE mission overview.

AAEW-0322	1.5	*	B	*	*	CBT

Description. TJS Pods.

AAEW-0323	1.5	*	B	*	*	CBT

Description. Jammer Assignments.

AAEW-0324	2.0	*	B	*	*	LEC

Description. Jamming Techniques.

AAEW-0325	1.5	*	B	*	*	CBT

Description. Jammer Library Structure.

AAEW-0326	1.5	*	B	*	*	CBT

Description. Display and Preemptive Assignments.

AAEW-0327	1.5	*	B	*	*	CBT

Description. Jammer Adjustments.

AAEW-0328A	1.5	*	B	*	*	LEC

Description. Phased Missions I.

AAEW-0328B	1.5	*	B	*	*	CBT

Description. Phased Missions II.

AAEW-0329	1.5	*	B	*	*	CBT

Description. Alarm Assignments.

AAEW-0330	2.0	*	B	*	*	LEC

Description. Responsive Assignments.

AAEW-0331	3.0	*	B	*	*	JMPS

Description. JT-4 Jammer Planning.

AAEW-0332	2.0	*	B	*	*	LEC

Description. Intro to HARM Engagement.

AAEW-0333	1.5	*	B	*	*	CBT

Description. HARM Operations I.

AAEW-0334	1.5	*	B	*	*	CBT

Description. HARM Operations II.

AAEW-0335	2.0	*	B	*	*	LEC

Description. HARM Planning.

AAEW-0336	1.5	*	B	*	*	CBT

Description. Intro to Comms EA.

AAEW-0337	2.0	*	B	*	*	LEC

Description. USQ-113 Overview.

AAEW-0338	2.0	*	B	*	*	LEC

Description. Introduction to MIDS

AAEW-0339	6.0	*	B	*	*	JMPS

Description. JT-5 Intro to full JMPS mission/outputs I.

AAEW-0340	1.5	*	B	*	*	CBT

Description. USQ-113 Controls and Displays.

AAEW-0341	2.0	*	B	*	*	LEC

Description. USQ-113 Operational Modes.

AAEW-0342	2.0	*	B	*	*	LEC

Description. Comms EA.

AAEW-0343	1.0	*	B	*	*	JMPS

Description. Intro to full mission I (SFEW-1107/1108 In-Brief).

AAEW-0344	6.0	*	B	*	*	JMPS

Description. JT-6A SFEW-1005/1107 JMPS Mission Planning I.

AAEW-0345	4.0	*	B	*	*	JMPS

Description. JT-6B SFEW-1005/1107 JMPS Mission Planning II.

AAEW-0346	2.0	*	B	*	*	REVIEW

Description. Exam Review.

AAEW-0347	2.0	*	B	*	*	EXAM

Description. Exam.

AAEW-0348	3.0	*	B	*	*	JMPS

Description. JT-7A HARM Planning.

AAEW-0349	3.0	*	B	*	*	JMPS

Description. JT-7B USQ-113 Planning.

AAEW-0350	1.5	*	B	*	*	CBT

Description. BITs and Degraded Operation.

AAEW-0351	2.0	*	B	*	*	LEC

Description. Degraded Operations / BITs.

AAEW-0353	2.0	*	B	*	*	LEC

Description. USQ-113 TDS Operations

AAEW-0354	2.0	*	B	*	*	LEC

Description. Advanced HARM and Mission Planning.

AAEW-0355	1.5	*	B	*	*	CBT

Description. TJS Maintenance and Debrief.

AAEW-0356	2.0	*	B	*	*	LEC

Description. Intro to MIRC and Litening Pod.

AAEW-0357	3.0	*	B	*	*	JMPS

Description. JT-8 Mission Outputs II.

AAEW-0358	1.0	*	B	*	*	JMPS

Description. Intro to Full Mission II (SFEW-1005/1114 In-Brief).

AAEW-0359	6.0	*	B	*	*	JMPS

Description. SFEW-1114 Mission Planning.

AAEW-0360	2.0	*	B	*	*	REVIEW

Description. Exam Review.

AAEW-0361 2.0 * B * * EXAM

Description. Final Exam.

2.7.5 Tactics Academics (ATAC). To introduce Fleet Replacement Aircrew to EA-6B tactics, techniques and procedures.

ATAC-0401 1.0 * B * * LEC

Description. Intro to Tactics Phase.

ATAC-0402 1.0 * B * * LEC

Description. SIPRnet and Intel sources.

ATAC-0403 1.0 * B * * LEC

Description. EA-6B tactical resources and publications.

ATAC-0404 2.0 * B * * LEC

Description. Six Functions of Marine Aviation.

ATAC-0405 1.0 * B * * LEC

Description. Electronic Warfare.

ATAC-0406 2.0 * B * * LEC

Description. Link 16 / MIDS.

ATAC-0407 1.0 * B * * LEC

Description. S-2 / TCAC employment.

ATAC-0408 2.0 * B * * LEC

Description. ALQ-218 ES Tactics.

ATAC-0409 2.0 * B * * LEC

Description. MATT / IDM fundamentals.

ATAC-0410 1.0 * B * * LEC

Description. SFES-1115 Scenario In-Brief (ES).

ATAC-0411 8.0 * B * * JMPS

Description. SFES-1115 Mission Planning (ES).

ATAC-0412 1.0 * B * * LEC

Description. EA-6B ISO Offensive Air Support (OAS).

ATAC-0413 1.0 * B * * LEC

Description. ATO/ACO/SPINS/JTAT.

ATAC-0414	2.0	*	B	*	*	CBT

Description. ICAP III EA Tactics.

ATAC-0415	1.0	*	B	*	*	LEC

Description. Defensive Electronic Counter Measures (DECM).

ATAC-0416	1.0	*	B	*	*	LEC

Description. HVAA Integration and Planning.

ATAC-0417	2.0	*	B	*	*	LEC

Description. HARM Fundamentals.

ATAC-0418	1.0	*	B	*	*	LEC

Description. HARM Targeting and Deconfliction.

ATAC-0419	1.0	*	B	*	*	LEC

Description. Integration/Planning with other HARM Platforms

ATAC-0420	1.0	*	B	*	*	LEC

Description. Electromagnetic Interference.

ATAC-0421	1.0	*	B	*	*	LEC

Description. SFEA-1116 Scenario In-Brief (AI I).

ATAC-0422	16.0	*	B	*	*	JMPS

Description. SFEA-1116 Mission planning (AI I).

ATAC-0423	1.0	*	B	*	*	LEC

Description. EA-6B RSEAD employment/Chalk talk.

ATAC-0424	1.0	*	B	*	*	LEC

Description. SFEA-1117 Scenario In-Brief.

ATAC-0425	16.0	*	B	*	*	LEC

Description. SFEA-1117 Mission planning.

ATAC-0426	1.0	*	B	*	*	REVIEW

Description. Exam Review.

ATAC-0427	2.0	*	B	*	*	EXAM

Description. Midterm Exam.

ATAC-0428	1.0	*	B	*	*	LEC

Description. EA-6B ISO Assault Support.

ATAC-0429	1.0	*	B	*	*	LEC

Description. ALE-43.

ATAC-0430	1.0	*	B	*	*	LEC

Description. Personnel Recovery Procedures.

ATAC-0431	1.0	*	B	*	*	LEC

Description. SFEA-1118 Scenario In-Brief (Assault Support).

ATAC-0432	16.0	*	B	*	*	JMPS

Description. SFEA-1118 Mission Planning.

ATAC-0433	2.0	*	B	*	*	LEC

Description. EA-6B ISO Close Air Support.

ATAC-0434	1.0	*	B	*	*	LEC

Description. Fire Support Coordination Measures.

ATAC-0435	1.0	*	B	*	*	LEC

Description. SFEA-1119/1120 Scenario In-Brief (EWCAS).

ATAC-0436	16.0	*	B	*	*	JMPS

Description. SFEA-1119/1120 Mission Planning (EWCAS).

ATAC-0437	1.0	*	B	*	*	LEC

Description. SFEA-1121 Scenario In-Brief (AI II).

ATAC-0438	16.0	*	B	*	*	JMPS

Description. SFEA-1121 Mission planning (AI II).

ATAC-0439	2.0	*	B	*	*	LEC

Description. EA-6B Task Force Support (TFS).

ATAC-0440	2.0	*	B	*	*	LEC

Description. EA-6B ISO Comms EA.

ATAC-0441	1.0	*	B	*	*	LEC

Description. SFEA-1122 Scenario In-Brief (TFS).

ATAC-0442	16.0	*	B	*	*	JMPS

Description. SFEA-1122 Mission Planning (TFS).

ATAC-0443	1.0	*	B	*	*	REVIEW

Description. Final Exam Review.

ATAC-0444	1.0	*	B	*	*	EXAM

Description. Final Exam.

ATAC-0445	1.0	*	B	*	*	LEC

Description. SFEA-1123 Scenario In-Brief (AI III).

ATAC-0446	16.0	*	B	*	*	JMPS

Description. SFEA-1123 Mission Planning (AI III).

2.7.6 Familiarization, Formation and Navigation Academics (AFAM). To introduce Fleet Replacement Aircrew to the fundamentals of EA-6B operation.

AFAM-0501	1.0	*	B	*	*	LEC

Description. AFAM Introduction.

AFAM-0502	1.0	*	B	*	*	LEC

Description. Engine and related systems.

AFAM-0503	1.0	*	B	*	*	LEC

Description. Fuel Systems.

AFAM-0504	1.0	*	B	*	*	LEC

Description. Hydraulic System.

AFAM-0505	1.0	*	B	*	*	LEC

Description. Flight Control Systems.

AFAM-0506	1.0	*	B	*	*	LEC

Description. Bleed Air and ECS.

AFAM-0507	1.0	*	B	*	*	LEC

Description. Electrical System.

AFAM-0508	0.7	*	B	*	*	CBT

Description. Fuel Quantity Indicators.

AFAM-0509	0.7	*	B	*	*	CBT

Description. Hydraulic System.

AFAM-0510	0.7	*	B	*	*	VIDEO

Description. Hydraulic System.

AFAM-0511	0.7	*	B	*	*	VIDEO

Description. Flight Control Systems.

AFAM-0512	0.7	*	B	*	*	VIDEO
	Description. Landing and Taxi Systems.					
AFAM-0513	0.7	*	B	*	*	VIDEO
	Description. ECS.					
AFAM-0516	0.7	*	B	*	*	VIDEO
	Description. Electrical System.					
AFAM-0517	0.7	*	B	*	*	CBT
	Description. Pneumatic Systems.					
AFAM-0518	0.7	*	B	*	*	CBT
	Description. Aircraft Lighting.					
AFAM-0520	1.0	*	B	*	*	LEC
	Description. NKT Landing Pattern.					
AFAM-0522	2.0	*	B	*	*	REVIEW
	Description. Exam Review.					
AFAM-0523	2.0	*	B	*	*	EXAM
	Description. Mid-phase Exam I.					
AFAM-0531	1.5	*	B	*	*	CBT
	Description. ARC-210.					
AFAM-0532	1.0	*	B	*	*	CBT
	Description. APX-118 IFF.					
AFAM-0533	0.7	*	B	*	*	CBT
	Description. Radio/Audio Control Panel.					
AFAM-0534	0.7	*	B	*	*	CBT
	Description. Flight Instruments.					
AFAM-0535	1.0	*	B	*	*	LEC
	Description. DFCS.					
AFAM-0536	0.7	*	B	*	*	CBT
	Description. ACLS Approaches.					
AFAM-0537	0.7	*	B	*	*	CBT
	Description. Navigation System Overview.					

AFAM-0538	0.7	*	B	*	*	CBT
	Description. APS-130 Radar.					
AFAM-0539	1.0	*	B	*	*	LEC
	Description. APS-130 Radar.					
AFAM-0541	0.7	*	B	*	*	CBT
	Description. CDNU Operations I.					
AFAM-0542	0.7	*	B	*	*	CBT
	Description. CDNU Miscellaneous Operations.					
AFAM-0543	1.0	*	B	*	*	LEC
	Description. Navigation System Integration.					
AFAM-0544	1.0	*	B	*	*	LEC
	Description. Degraded Navigation.					
AFAM-0545	1.0	*	B	*	*	LEC
	Description. GPS.					
AFAM-0546	1.0	*	B	*	*	LEC
	Description. CDNU Operations II.					
AFAM-0547	1.0	*	B	*	*	LEC
	Description. EFIS.					
AFAM-0548	1.0	*	B	*	*	LEC
	Description. EFIS/ILS.					
AFAM-0549	1.0	*	B	*	*	CBT
	Description. CDNU HARM Operations.					
AFAM-0561	2.0	*	B	*	*	LEC
	Description. NATOPS Chart Usage.					
AFAM-0562	0.7	*	B	*	*	CBT
	Description. High AOA Flight Characteristics.					
AFAM-0563	1.0	*	B	*	*	LEC
	Description. Limits and OCF Characteristics.					
AFAM-0564	1.0	*	B	*	*	LEC
	Description. Basic Crew Coordination.					

AFAM-0565	0.7	*	B	*	*	CBT

Description. Aircraft Checklist Procedures I.

AFAM-0566	0.7	*	B	*	*	CBT

Description. Aircraft Checklist Procedures II.

AFAM-0567	2.0	*	B	*	*	LEC

Description. Preflight Brief and Checklists.

AFAM-0568	2.0	*	B	*	*	REVIEW

Description. Exam Review.

AFAM-0569	2.0	*	B	*	*	EXAM

Description. Mid-Phase Exam II.

AFAM-0571	1.0	*	B	*	*	LEC

Description. EP Overview.

AFAM-0572	2.0	*	B	*	*	LEC

Description. Ground and Takeoff Emergencies.

AFAM-0573	0.7	*	B	*	*	CBT

Description. Emergency Procedures I.

AFAM-0574	2.0	*	B	*	*	LEC

Description. Inflight Emergencies I.

AFAM-0575	2.0	*	B	*	*	LEC

Description. Inflight Emergencies II.

AFAM-0576	2.0	*	B	*	*	CBT

Description. Emergency Procedures II.

AFAM-0577	2.0	*	B	*	*	LEC

Description. Landing Emergencies.

AFAM-0578	1.0	*	B	*	*	CBT

Description. Emergency Procedures III.

AFAM-0579	2.0	*	B	*	*	CBT

Description. Emergency Procedures Freeplay.

AFAM-0580	2.0	*	B	*	*	REVIEW

Description. Exam Review.

AFAM-0581	2.0	*	B	*	*	EXAM

Description. Boldface and Limits Exam.

AFAM-0583	1.0	*	B	*	*	VIDEO

Description. Spins.

AFAM-0584	2.0	*	B	*	*	LEC

Description. EA-6B Mishaps.

AFAM-0585	1.0	*	B	*	*	LEC

Description. Course Rules.

AFAM-0586	2.0	*	B	*	*	EXAM

Description. Course Rules Exam.

AFAM-0587	2.0	*	B	*	*	LEC

Description. Standard Operating Procedures.

AFAM-0588	0.7	*	B	*	*	CBT

Description. Aircraft Cross-Country Servicing.

AFAM-0589	0.7	*	B	*	*	VIDEO

Description. Aircraft Preflight.

AFAM-0590	2.0	*	B	*	*	LEC

Description. Aircraft Preflight Demo.

AFAM-0591	0.7	*	B	*	*	CBT

Description. Plane Captain Signals.

AFAM-0592	1.0	*	B	*	*	LEC

Description. Flightside Expectations.

AFAM-0593	2.0	*	B	*	*	LEC

Description. EA-6B Aerodynamics.

AFAM-0595	0.7	*	B	*	*	CBT

Description. Aerobatics.

AFAM-0597	5.0	*	B,R,MR	*	*	LEC

Description. Instrument Ground School.

AFAM-0598	6.0	*	B,R,MR	*	*	EXAM

Description. NATOPS Open Book Exam.

AFAM-0599	2.0	*	B,R,MR	*	*	EXAM

Description. NATOPS Closed Book Exam.

AFAM-0601	0.7	*	B	*	*	VIDEO

Description. Formation Procedures.

AFAM-0602	1.0	*	B	*	*	LEC

Description. Formation Procedures.

AFAM-0603	2.0	*	B	*	*	LEC

Description. NVD Use Brief.

AFAM-0604	6.0	*	B	*	*	LEC

Description. NITE Lab.

AFAM-0605	1.5	*	B	*	*	VIDEO

Description. Visual Illusions and Low Level Flying.

AFAM-0606	2.0	*	B	*	*	LEC

Description. Low Altitude Navigation.

AFAM-0607	0.7	*	B	*	*	CBT

Description. Night Flying.

AFAM-0611	1.0	*	B	*	*	VIDEO

Description. Aerial Refueling.

AFAM-0612	2.0	*	B	*	*	LEC

Description. Aerial Refueling.

AFAM-0621	1.0	*	B	*	*	LEC

Description. Intro to Expeditionary Airfield Operations.

AFAM-0622	2.0	*	B	*	*	LEC

Description. Prowler Flight Characteristics.

AFAM-0623	1.0	*	B	*	*	LEC

Description. Lens/Glideslope Geometry.

AFAM-0624	1.0	*	B	*	*	LEC

Description. LSO Responsibilities.

AFAM-0625	2.0	*	B	*	*	LEC

Description. EAF Operations.

AFAM-0626	2.0	*	B	*	*	LEC

Description. EAF EPs and Contingencies.

AFAM-0627	2.0	*	B	*	*	LEC

Description. EAF Preflight Planning.

AFAM-0628	2.0	*	B	*	*	LEC

Description. EAF Course Rules and Airfield Brief.

AFAM-0632	1.0	*	B	*	*	LEC

Description. Crew Coordination.

AFAM-0634	2.0	*	B	*	*	LEC

Description. EA-6B Aircraft Performance.

AFAM-0637	2.0	*	B	*	*	LEC

Description. Aircraft Survivability Equipment (ASE).

AFAM-0638	2.0	*	B	*	*	LEC

Description. Basic Defensive Maneuvers.

AFAM-0639	2.0	*	B	*	*	LEC

Description. ALE-47.

2.8 CORE SKILL INTRODUCTION PHASE (1000)

2.8.1 General. Core Skill Introduction phase is conducted at the VMAQT FRS, MCAS Cherry Point. The training consists of simulators and aircraft flights, and runs concurrent with Core Skill Introduction FRS Academic phase.

2.8.2 Stages. In order to maximize training, Core Skill Introduction phase has been broken out by Program of Instruction (POI) instead of event stages. Each event is listed with an initial "F" to denote the Core Skill Introduction nature of the syllabus (i.e., FFAM vice FAM). Event sub-stages are delineated below the stages and occur throughout the stage.

2.8.2.1 Basic Pilot (BP) and Basic ECMO (BE) Weapon System Introduction Syllabus

(1) Electronic Warfare Introduction (FEW)

(2) Electronic Warfare Support Introduction (FES)

(3) Electronic Attack Introduction (FEA)

2.8.2.2 Basic Pilot (BP) Aircraft Introduction Syllabus

(1) Familiarization Introduction (FFAM)

(2) Navigation System Introduction (FNAV)

(3) Formation Flight Introduction (FFORM)

(4) Emergency Procedures Introduction (FEP)

(5) Electronic Attack Introduction (FEA)

(6) Electronic Warfare Support Introduction (FES)

(7) Requirements, Certifications, Qualifications and Designations Introduction (FREQ)

(8) Night Systems Introduction (FNS)

(9) Field Carrier Landing Practice Introduction (FFCLP)

(10) Expeditionary Airfield Introduction (FEAF)

(11) Defensive Maneuvers Introduction (FDM)

2.8.2.3 Basic ECMO (BE) Aircraft Introduction Syllabus

(1) Familiarization Introduction (FFAM)

(2) Navigation System Introduction (FNAV)

(3) Formation Flight Introduction (FFORM)

(4) Emergency Procedures Introduction (FEP)

(5) Electronic Attack Introduction (FEA)

(6) Electronic Warfare Support Introduction (FES)

(7) Requirements, Certifications, Qualifications and Designations Introduction (FREQ)

(8) Night Systems Introduction (FNS)

(9) Expeditionary Airfield Introduction (FEAF)

(10) Defensive Maneuvers Introduction (FDM)

2.8.2.4 Full Refresher Pilot (RP) and Modified Refresher Pilot (MP) Aircraft Refresh Syllabus

(1) Familiarization Refresh (FFAM)

(2) Navigation Refresh (FNAV)

(3) Formation Flight Refresh (FFORM)

(4) Emergency Procedures Refresh (FEP)

(5) Electronic Warfare Introduction (FEW)

(6) Requirements, Certifications, Qualifications and Designations Refresh (FREQ)

2.8.2.5 Full Refresher ECMO (RE) and Modified Refresher ECMO (ME) Aircraft Refresh Syllabus

(1) Familiarization Refresh (FFAM)

(2) Navigation Refresh (FNAV)

(3) Emergency Procedures Refresh (FEP)

(4) Electronic Warfare Introduction (FEW)

(5) Requirements, Certifications, Qualifications and Designations Refresh (FREQ)

2.8.3 Basic Pilot Weapon System Introduction Syllabus

2.8.3.1 Purpose. Introduce newly designated EA-6B pilots to the capabilities of the ALQ-218 Tactical Jamming System.

2.8.3.2 General. Refer to the FRS scenario guide for further information.

2.8.3.3 Crew Requirements. Events are independent of crew position. To emphasize ALQ-218 proficiency, Pilots should use the aft cockpit trainer as much as possible.

2.8.3.4 Academic Training. Refer to the appropriate FRS Core Skill Introduction Academic (0000 level) phase for academics.

SFEW-1001 2.0 * BP * E S BS

Goal. Introduce TJSR hardware, displays and symbols.

Requirements. See FRS Scenario guide for complete details.

Performance Standards. See FRS Scenario guide for complete details.

SFEW-1002 2.0 * BP * E S BS

Goal. Introduce jammer assignments.

Requirements. See FRS Scenario guide for complete details.

Performance Standards. See FRS Scenario guide for complete details.

SFEW-1003 2.0 * BP * E S BS

Goal. Introduce basic use of the HARM and MIDS.

Requirements. See FRS Scenario guide for complete details.

Performance Standards. See FRS Scenario guide for complete details.

SFEW-1004 2.0 * BP * E S BS

Goal. Introduce basic use of the USQ and MATT.

Requirements. See FRS Scenario guide for complete details.

Performance Standards. See FRS Scenario guide for complete details.

SFEW-1005 2.0 * BP * E S BS

Goal. Introduce full integrated mission scenario.

Requirements. See FRS Scenario guide for complete details.

Performance Standards. See FRS Scenario guide for complete details.

2.8.4 Basic ECMO (BE) Weapon System Introduction Syllabus

2.8.4.1 Purpose. Introduce newly designated EA-6B aircrew to the capabilities of the ALQ-218 Tactical Jamming System.

2.8.4.2 General. Refer to the FRS scenario guide for further information.

2.8.4.3 Crew Requirements. Events are independent of crew position. To emphasize ALQ-218 proficiency, ECMOs should use the aft cockpit trainer as much as possible.

2.8.4.4 Academic Training. Refer to the appropriate FRS Core Skill Introduction Academic (0000 level) phase for academics.

SFEW-1101 2.0 * BE * E S BS

Goal. Introduce TJSR hardware, displays and symbols.

Requirements. See FRS Scenario guide for complete details.

Performance Standards. See FRS Scenario guide for complete details.

SFEW-1102 2.0 * BE * E S BS

Goal. Introduce full initialization of the ALQ-218.

Requirements. See FRS Scenario guide for complete details.

Performance Standards. See FRS Scenario guide for complete details.

SFEW-1103 2.0 * BE * E S BS

Goal. Review system initialization. Introduce basic signal acquisition.

Requirements. See FRS Scenario guide for complete details.

Performance Standards. See FRS Scenario guide for complete details.

SFEW-1104 2.0 * BE * E S BS

Goal. Review system initialization and basic signal acquisition. Introduce MATT.

Requirements. See FRS Scenario guide for complete details.

Performance Standards. See FRS Scenario guide for complete details.

Prerequisite. SFEW-1103.

SFEW-1105 2.0 * BE * E S BS

Goal. Introduce jammer assignments.

Requirements. See FRS Scenario guide for complete details.

Performance Standards. See FRS Scenario guide for complete details.

SFEW-1106 2.0 * BE * E S BS

Goal. Review jammer assignments. Introduce jammer adjustments and jammer management.

Requirements. See FRS Scenario guide for complete details.

Performance Standards. See FRS Scenario guide for complete details.

SFEW-1107 2.0 * BE * E S BS

Goal. Phased Mission ET (ES Mission).

Requirements. See FRS Scenario guide for complete details.

Performance Standards. See FRS Scenario guide for complete details.

SFEW-1108 2.0 * BE * E S BS

Goal. Phased Mission I.

Requirements. See FRS Scenario guide for complete details.

Performance Standards. See FRS Scenario guide for complete details.

SFEW-1109 2.0 * BE * E S BS

Goal. Introduce Jammer Responsive Assignments.

Requirements. See FRS Scenario guide for complete details.
Performance Standards. See FRS Scenario guide for complete details.

SFEW-1110 2.0 * BE * E S BS

Goal. Introduce HARM engagement.

Requirements. See FRS Scenario guide for complete details.

Performance Standards. See FRS Scenario guide for complete details.

SFEW-1111 2.0 * BE * E S BS

Goal. Introduce Link-16 / MIDS.

Requirements. See FRS Scenario guide for complete details.

Performance Standards. See FRS Scenario guide for complete details.

SFEW-1112 2.0 * BE * E S BS

Goal. Introduce USQ-113.

Requirements. See FRS Scenario guide for complete details.

Performance Standards. See FRS Scenario guide for complete details.

SFEW-1113 2.0 * BE * E S BS

Goal. Introduce MATT/IDM/MIRC.

Requirements. See FRS Scenario guide for complete details.

Performance Standards. See FRS Scenario guide for complete details.

SFEW-1114 2.0 * BE * E S BS

Goal. Full system mission II.

Requirements. See FRS Scenario guide for complete details.

Performance Standards. See FRS Scenario guide for complete details.

SFES-1115 2.0 * BE * E S BS

Goal. Review system initialization and signal recognition and location in a dense electromagnetic environment. Introduce the EW Battlefield Management (EWBM) capabilities of the ALQ-218.

Requirements. See FRS Scenario guide for complete details.

Performance Standards. See FRS Scenario guide for complete details.

SFEA-1116 2.0 * BE * E S BS

Goal. Review System Initialization and signal recognition. Introduce the EA-6B's role in Air Interdiction (AI) and Destruction of Enemy Air Defenses (DEAD) I.

Requirements. Can be completed as an integrated simulator. See FRS Scenario guide for complete details.

Performance Standards. See FRS Scenario guide for complete details.

SFEA-1117 2.0 * BE * E S BS

Goal. Review System Initialization and signal recognition. Introduce the EA-6B's role in Armed Recce (AR).

Requirements. Can be completed as an integrated simulator. See FRS Scenario guide for complete details.

Performance Standards. See FRS Scenario guide for complete details.

SFEA-1118 2.0 * BE * E S BS

Goal. Review System Initialization and signal recognition. Introduce the EA-6B's role in Assault Support.

Requirements. Can be completed as an integrated simulator. See FRS Scenario guide for complete details.

Performance Standards. See FRS Scenario guide for complete details.

SFEA-1119 2.0 * BE * E S BS

Goal. Review system initialization and signal recognition. Introduce the EA-6B's role in Close Air Support (EWCAS) I.

Requirements. Can be completed as an integrated simulator. See FRS Scenario guide for complete details.

Performance Standards. See FRS Scenario guide for complete details.

SFEA-1120 2.0 * BE * E S BS

Goal. Review system initialization and signal recognition. Review the EA-6B's role in Close Air Support (EWCAS) II.

Requirements. Can be completed as an integrated simulator. See FRS Scenario guide for complete details.

Performance Standards. See FRS Scenario guide for complete details.

SFEA-1121 2.0 * BE * E S BS

Goal. Review system initialization and signal recognition. Review the EA-6B's role in Air Interdiction (AI) and Destruction of Enemy Air Defenses (DEAD) II.

Requirements. Can be completed as an integrated simulator. See FRS Scenario guide for complete details.

Performance Standards. See FRS Scenario guide for complete details.

SFEA-1122 2.0 * BE * E S BS

Goal. Review System Initialization and signal recognition. Introduce the EA-6B's role in Task Force Support / ground combat operations. Introduce ALQ-218 and USQ-113 Comms EA techniques and procedures. Introduce the EA-6B's role in Tactical Recovery of Aircraft and Personnel (TRAP).

Requirements. Can be completed as an integrated simulator. See FRS Scenario guide for complete details.

Performance Standards. See FRS Scenario guide for complete details.

SFEA-1123 2.0 * BE * E S BS

Goal. Review system initialization and signal recognition. Review the EA-6B's role in Air Interdiction (AI) and Destruction of Enemy Air Defenses (DEAD) III.

Requirements. Can be completed as an integrated simulator. See FRS Scenario guide for complete details.

Performance Standards. See FRS Scenario guide for complete details.

SFREQ-1124 2.0 * BE * E S BS

Goal. Review knowledge of backseat systems.

Requirements. See FRS Scenario guide for complete details.

Performance Standards. See FRS Scenario guide for complete details.

SFREQ-1125 2.0 * BE * E S BS

Goal. Evaluate knowledge of backseat systems.

Requirements. See FRS Scenario guide for complete details.

Performance Standards. See FRS Scenario guide for complete details.

2.8.5 Basic Pilot (BP) Aircraft Introduction Syllabus

2.8.5.1 Purpose. Introduce newly designated EA-6B pilots to the flight characteristics and capabilities of the EA-6B.

2.8.5.2 General. Refer to NATOPS, squadron Standard Operating Procedures and all other applicable source documents for published standards and required level of performance.

2.8.5.3 Crew Requirements. Fleet Replacement Pilots (FRP) will have a mix of instructors throughout the phase (including Contract Instructors (CI), FRS Instructor Pilots (FRS IP) and FRS Instructor ECMOs (FRS IE). FRP front seat crew position is delineated in each individual code (except FFAM-1250). Training codes apply only to FRP.

2.8.5.4 Academic Training. Refer to the appropriate Core Skill Introduction Academics (0000 level) phase for academics.

SFFAM-1230 1.5 * BP (N) * S FS

Goal. Maintain BP proficiency in dealing with ground, takeoff, in-flight, and landing emergencies.

Requirements.

Review:

Emergency procedures

Performance Standards. Accurately respond to all emergencies presented.

Crew. FRP

SFFAM-1231 2.0 * BP D E S FS

Goal. Introduce FRP to the EA-6B front seat flight simulator (FS) procedures and all normal checklists.

Requirements.

Discuss:

Plane captain signals.

CRM.

Introduce:
FS normal procedures.
Normal ground procedures including all pre-power, post-power, starting engine, after landing and engine shutdown checklists.
Normal takeoff (including before takeoff and takeoff) checklists.
Normal in-flight procedures including climb checklists.
Normal descent, ground-controlled approach (PAR), and landing; include descent, approach-to-landing, and landing checklists.

Performance Standards.
Demonstrate standard communications.
Prepare a takeoff/abort card.
Execute appropriate checklists IAW NATOPS.

Crew. FRP/CI.

SFFAM-1232 2.0 * BP D E S FS

Goal. Introduce FRP to EFIS displays and navigation procedures.

Requirements.
Review:
Engine starts.
Descent and approach-to-landing.

Introduce:
CDNU power-up and initialization.
Dual EGI alignments.
CDNU flight plan functionality.
Operation of the ARC-210 V/UHF radios utilizing the CDNU and control head.
Navigation using CDNU pages and the different EFIS display needles in standard EHSI, EHSI MAP, EHSI ARC and ARC MAP modes.
ILS, TACAN and ACLS approaches.

Performance Standards.
Properly create a takeoff/abort card.
Execute appropriate checklists IAW NATOPS.

Crew. FRP/CI.

SFFAM-1233 2.0 * BP D E S FS

Goal. Introduce FRP to basic instrument flight and scan characteristics of the EA-6B.

Requirements.
Review:
Engine starts.
Taxi, takeoff, climb, level off and enroute procedures.
TACAN and ILS approach at unfamiliar airfields.

Introduce:
S1 maneuver (clean).
S3 maneuver (clean).
Climbing, descending and timed turns.
Steep turns.
Recovery from unusual attitudes.

TACAN point-to-point.
Partial panel instrument flight.

Performance Standards.
Properly complete all maneuvers IAW NATOPS, MANEUVERS GUIDE and MAWTS-1 EA-6B courseware.
Properly create a takeoff/abort card.
Execute appropriate checklists IAW NATOPS.

Crew. FRP/CI.

SFNAV-1234 2.0 * BP N* E S FS

Goal. Introduce radar navigation procedures.

Requirements.
Introduce:
Search radar initialization and BITS.
Radar picture initialization procedures.
Geographical and cultural radar returns.
Radar navigation.
Radar navigation updates.
TACAN, radar and present position updates.
Degraded radar operations.
Radar turnpoint procedures.
ACLS Mode II approaches.

Performance Standards.
Properly ground align EGIs.
Properly program the CDNU.
Recognize terrain features, cultural returns and weather.
Successfully navigate using at least three radar significant points.
Properly shut down radar and navigation systems.

Crew. CI/FRP (switch before approaches).

SFEP-1235 2.0 * BP D E S FS

Goal. Introduce emergency procedures I.

Requirements.
Introduce:
Start emergencies.
Hot start.
Hung start.
Oil pressure not within limits.
Starter light remains on.
Hydraulic check valve failure.
Ground/taxi emergencies.
Fire on deck/egress.
Takeoff/landing emergencies.
Engine failure or fire - takeoff aborted.
Engine failure or fire - takeoff continued.
STAB SHIFT failure after flap retraction.
Landing gear handle cannot be raised due to left WOW switch failure.
In-flight emergencies.
Smoke/fumes in the cockpit.
High/low fluctuating oil pressure.
Single engine flameout with airstart.

Electric boost pump failure.
TJ POD RAT fire/malfunction (selective stores jettison).
AFT bleed air shutoff valve failure to ELEC HIGH AIR TEMP light to AFT TEMP light.
Approach emergencies.
Single engine approach to waveoff.
No flap/no slat approach to waveoff.

Performance Standards.
NATOPS brief.
Accurately respond to all emergencies presented.

Crew. FRP/FRECMO (not evaluated)/CI (console).

SFEP-1236 2.0 * BP D E S FS

Goal. Introduce emergency procedures II.

Requirements.
Introduce:
Start emergencies.
Rudder shift cable failure before start.
Wet start.
CSD overheat.
Centrifugal pump failure.
Takeoff emergencies.
Flaps/slats fail to retract.
Blown tire on takeoff.
In-flight emergencies.
Single generator failure.
CSD OVERHEAT light.
Double generator failure.
DC power failure.
Essential AC failure.
Controlled ejection (brief item only).
Approach emergencies.
STAB SHIFT fail after flap extension.
Flaps/slats fail to extend (Flap/slat CB popped).
Gear/hook circuit breaker popped.
Combined Hydraulic system failure.

Performance Standards.
NATOPS brief.
Accurately respond to all emergencies presented.

Crew. FRP/FRECMO (not evaluated)/CI (console).

SFEP-1237 2.0 * BP D E S FS

Goal. Introduce/practice emergency procedures III.

Requirements.
Discuss:
Any emergency in Section V of the NATOPS.

Review:
Start emergencies.
Any previously introduced emergencies.

Introduce:
Takeoff emergencies
Engine failure – takeoff continued (EMER STORES jettison)
Rudder shift failure.
In-flight emergencies.
Double engine flameout.
Flaperon popup in flight.
Approach emergencies.
Single engine landing.
No flap/no slat landing.
Landing if flaperons have popped up (demo only).
Landing gear handle down indicates unsafe.

Performance Standards.
NATOPS brief.
Accurately respond to all emergencies presented.

Crew. FRP/FRECMO (not evaluated)/CI (console).

SFFAM-1238 2.0 * BP D E S FS

Goal. Introduce aerobatic maneuvers, recognition of and recovery from stalls and post-stall gyrations, unusual attitudes and recoveries, spin entry and recovery, Low Altitude Awareness (LAA) and landing techniques.

Requirements.
Introduce:
Stalls and recovery from stalls.
Unaccelerated clean stalls.
Accelerated clean stalls.
Clean approach to stalls.
Dirty approach to stalls.
Break turn stalls.
Departure turn stalls.
Landing pattern stalls.
Confidence Maneuvers.
Nose high.
Nose low.
Nose high/nose low.
Modified nose low.
Aerobatics.
Flaperon roll.
Wingover.
Barrel roll.
Overhead Maneuvers.
Loop.
Half Cuban Eight.
Immelmann.
Split-S.
Oblique.
Hard turns.
Break turns.
Slice turns.
Spins.
Landing techniques.
Roll and Go.
Aerodynamic braking.
Crosswind landing.
Low Altitude Awareness.

Navigation and timing.
Two minute prior calls.
Visual illusions.
Static visual cues.
Dynamic visual cues.
Slowly rising terrain.
Mission cross-check time.
Tactical ridgeline crossing.
Terrain avoidance.
Turn and look demo.
Airspeed change demo.
Time-to-impact demo.
Ten degree overbank/insufficient G demo.

Performance Standards.
Properly perform the maneuvers IAW NATOPS, MANEUVERS GUIDE, and the MAWTS-1 EA-6B courseware.
Correctly discuss stalls and stall recoveries.
Correctly discuss all maneuver set ups.
Correctly discuss spin indications and recoveries.

Crew. FRP/FRECMO (not evaluated)/FRS IP or FRS IE (console).

SFEA-1239 2.0 * BP N* E S FS

Goal. Introduce front cockpit HARM procedures and employment tactics.

Requirements.
Review:
HARM planning.
Appropriate HARM DAs.
HARM field of view printouts.
HARM shot cards.
Appropriate route planning.

Introduce:
All HARM/HCP related checklists and missile BITs.
CDNU HARM designation procedures and checklists.
All HARM modes and profiles.
HARM aborts and hung missile procedures.

Performance Standards.
Full mission/NATOPS brief.
Properly launch HARM using all modes.
All HARM launches within 10 seconds of planned launch time and within 3 NM of planned launch point.
All HARM impacts within 10 seconds of planned impact time.
Properly complete accurate post-launch HARM shot card.

Crew. FRP/FRECMO (not evaluated)/FRS IP or FRS IE (console).

SFREQ-1240 2.0 * BP (N*) E S FS

Goal. Evaluate the knowledge of and adherence to standard instrument procedures. Instrument qualification.

Requirements.
Set forth in applicable directives.

Performance Standards.

Per NATOPS and the Instrument Flight Manual.

Crew. FRP/FRECMO (not evaluated)/Instrument Evaluator (console).

SFREQ-1241 2.0 * BP D E S FS

Goal. Review knowledge of front seat systems and evaluate the knowledge of and adherence to standard Crew Resource Management.

Requirements.
Set forth in applicable directives.

Performance Standards.
Per NATOPS.
Per CRM course objectives.

Crew. FRP/FRECMO (not evaluated)/NATOPSI (console).

SFREQ-1242 2.0 * BP (N*) E S FS

Goal. Evaluate knowledge of front seat systems. Initial NATOPS qualification.

Requirements.
Set forth in applicable directives.

Performance Standards.
Per NATOPS.

Crew. FRP/FRECMO (not evaluated)/NATOPSI (console).

SFNS-1243 2.0 * BP NS E S FS

Goal. Introduce the use of NVDs in the EA-6B cockpit.

Requirements.
Discuss:
NVD use in the EA-6B.
Recognition of NVD image defects.
Shading.
Edge Glow/veiling glare.
Honeycomb pattern/chicken wire.
Bright spots/dark spots.
Distortion.
Flickering.
Scintillation.
Tilt defects.
Tube Misalignment.
Acuity disparity.
Collimation.
Brightness/contrast difference.

Introduce:
NVDs to FRP.
In-flight donning, doffing, goggling, storing and stowing procedures.
NVD misperceptions.
Terrain reflectivity.
Terrain shadowing.
Land/water contrast.

Introduce different light levels and the effect of weather on NVD usage.

Demonstrate:
Limited NVD Field-of-View (FOV) and practice NVD scan pattern with instrument crosschecks.
Maneuvering appropriate to EA tracks with consideration given to NVD capabilities and limitations.

Performance Standards.
Per 9th Ed. MAWTS-1 NVD Use Manual and MAWTS-1 EA-6B courseware.

Crew. FRP/FRECMO/NSI (console).

SFEAF-1244 2.0 * BP D E S FS

Goal. Introduce the procedures for day Expeditionary Airfield (EAF) and Field Carrier Landing Practice (FCLP) procedures.

Requirements.
Discuss:
EAF operations.

Introduce:
Proper entry and departure procedures at the EAF.
A minimum of two ACLS approaches and two GCAs.
Proper waveoff procedures.
Day arrested landings.

Performance Standards.
Brief IAW NATOPS.
Prepare takeoff/abort data card.

Crew. FRP/FRECMO (not evaluated)/Landing Signals Officer (console).

SFFAM-1245 2.0 * BP D E S FS

Goal. Introduce the flight characteristics and maneuvering capabilities of the EA-6B.

Requirements.
Discuss:
EA-6B flight characteristics, maneuvering capabilities and appropriate flight maneuvers.

Introduce:
Acceleration demonstrations at 1 G and < 1 G.
1 G approach-to-stall and recovery.
2 G approach-to-stall and recovery.
Rolling G/Stab Aug demo.
Break and Hard turns at 10,000 ft. MSL.
Nose High Unusual Attitude and recovery.
Break and Hard turns at 20,000 ft. MSL.
Nose Low Unusual Attitude and recovery.
Dynamic Zoom / Transient Wing Drop.
Slice turn.
Aerobatics.
Flaperon Roll.
Wingover.
Barrel Roll.

Overhead Maneuvers:
Loop.
1/2 Cuban Eight.
Immelmann.
Split S.

Review:
Departures/spins.

Performance Standards.
Correctly discuss all maneuver set ups.
Properly recover from all Unusual Attitudes and Spins.
Properly perform all maneuvers IAW NATOPS, MANEUVERS GUIDE and MAWTS-1 EA-6B courseware.

Crew. FRP/FRECMO (not evaluated)/FRS IP or IE (console).

SFDM-1246 2.0 * BP D E S FS

Goal. Introduce EA-6B defensive maneuvers for SAM and ADA.

Requirements. No lower than 500 ft AGL.
Discuss:
EA-6B threat reaction to SAM and ADA.

Introduce:
Hard and Break turns NLT 500' AGL.
50% rule.
Dive Recovery Rules.
Small Descent ROT.
10 degree rule.
SAM threat reaction maneuvers.
Level-S.
Sam weave.
ADA threat reaction maneuvers.
High altitude preemptive.
High altitude reactive.
Low altitude preemptive.
Low altitude reactive.
Threat reaction communications and expendables usage.
FQMD.

Performance Standards.
Correctly discuss all maneuvers.
Correctly perform all maneuvers IAW MAWTS-1 EA-6B courseware:

Crew. FRP/FRECMO (not evaluated)/BAMI or WTI (console).

FFAM-1250 2.0 * BP (N) E A 1 EA-6B

Goal. Familiarize FRP with the aft cockpit of the EA-6B.

Requirements.
FRP will be escorted by a NATOPS qualified aircrew on the initial sortie.
Discuss:
CRM.

Review:
Aircraft preflight.

TJSR setup and responsibilities.

Performance Standards.
Successfully participate in the sortie.

Crew. FRP/FRS IE (aft cockpit).

FFAM-1251 2.0 * BP D E A 1 EA-6B

Goal. Introduce FRP to ground procedures, flight characteristics and system operation of the EA-6B.

Requirements.
Introduce:
Aircraft exterior and interior preflight inspections.
Prestart, start and post start procedures.
Taxi and takeoff procedures.
Climb-out and enroute procedures.
Aircraft system operation.
Use of spin assist.
Single-engine shutdown and airstart.
Approach to Stall series.
Performance maneuvers.
Unusual attitude recoveries.
Confidence maneuvers.
Aerobatics.
Descent procedures.
Simulated single-engine and no flap/no slat landings.
Normal landings.
Post-landing procedures.
Postflight inspection.

Performance Standards.
Successfully prepare a takeoff/abort data card, route card and DD-175-1 weather brief.
Brief all maneuvers IAW NATOPS, MANEUVERS GUIDE and the MAWTS-1 EA-6B courseware.

Crew. FRS IP/FRP.

External Syllabus Support. Special Use Airspace.

FFAM-1252 2.0 * BP D E A 1 EA-6B

Goal. Introduce FRP to normal flight characteristics of the EA-6B; instrument scan, unusual attitude recoveries, approaches to stall and landings.

Requirements.
Perform:
Brief IAW NATOPS.
Aircraft exterior and interior inspections.
Prestart, start and post start procedures.
Taxi procedures.
Takeoff procedures.
Climb-out and enroute procedures.
S-1 pattern, normal and single engine.
Airstart.
S-3 pattern, normal and partial panel.

Introduce:
Unusual attitude recoveries.
Approach to Stall series.
Descent procedures.
Approaches at the field.
Non-precision.
Precision.
No gyro precision.
Departure from field and re-entry for the break.
Pattern work.
Normal landing.
Post-landing procedures.
Engine shutdown and postflight inspection.

Performance Standards.
Discuss and safely execute all listed requirements.

Crew. FRP/FRS IP.

External Syllabus Support. Special Use Airspace.

FFAM-1253 2.0 * BP D E A 1 EA-6B

Goal. Review FRP instrument scan, precision approaches and VFR landings.

Requirements.
Perform:
Brief IAW NATOPS.
Normal ground procedures.
Takeoff procedures and enter the GCA box pattern.
Precision approaches.
Normal.
No flap/no slat.
Simulated single engine.
Departure and re-entry.
VFR pattern work.
Normal landing and post-landing procedures.

Performance Standards.
Discuss and safely execute all listed requirements.

Crew. FRP/FRS IP.

FFAM-1254 2.0 * BP D E A 1 EA-6B

Goal. Introduce FRP to the normal flight envelope of the EA-6B.

Requirements.
Perform:
Brief IAW NATOPS.
Unusual attitude recoveries.
Approach to Stall series.
Performance maneuvers.
Confidence maneuvers.
Aerobatics.approaches.
Normal GCA.
No flap/no slat approach.

Simulated single engine approach.
VFR pattern work.

Performance Standards.
Discuss and safely execute all listed requirements.
Properly perform all maneuvers IAW NATOPS, MANEUVERS GUIDE and the MAWTS-1 EA-6B courseware.

Crew. FRP/FRS IP.

External Syllabus Support. Special Use Airspace.

FFORM-1255 2.0 * BP D E A 2 EA-6B

Goal. Introduce FRP to basic section formation flight procedures and maneuvers.

Requirements.
Introduce:
Ground section procedures.
Section interval takeoff.
Running rendezvous.
Section parade formation.
Section cruise formation.
Crossunders.
Section VFR turns into and away from the wingman.
Breakup and rendezvous - 3 minimum each direction.
Section cruise maneuvering.
Lead change.
Previous items as lead aircraft.
Section approaches.
Section VFR break procedures.

Performance Standards.
Properly perform all maneuvers IAW NATOPS.
Discuss and safely execute all listed requirements.

Crew. FRP/FRS IP.

External Syllabus Support. Special Use Airspace.

FFAM-1256 2.0 * BP D E A 1 EA-6B

Goal. Review flight maneuvers and approaches. Evaluate FRP as safe for ECMO.

Requirements.
Perform:
Brief IAW NATOPS.
Unusual attitude recoveries.
Approach to Stall series.
Performance maneuvers.
Confidence maneuvers.
Aerobatics.
Approaches.
Normal GCA.
No flap/no slat approach.
Simulated single engine approach.
VFR pattern work.

Performance Standards.
Discuss and safely execute all listed requirements. Perform the following IAW NATOPS, MANEUVERS GUIDE and MAWTS-1 EA-6B courseware:

Crew. FRP/FRS IP.

External Syllabus Support. Special Use Airspace.

FFAM-1257 2.0 * BP N* E A 1 EA-6B

Goal. Introduce FRP to night operation of the EA-6B. Introduce operation of the APS-130 radar.

Requirements.
Introduce:
Night ground procedures.
Night instrument procedures.
Use of the radar as the primary navigation reference.
the night VFR pattern.

Discuss:
Radar navigation and other radar features.

Perform:
Approaches at enroute airfields.
Approaches at home airfield.

Performance Standards.
Discuss and safely execute all listed requirements IAW NATOPS.

Crew. FRP/FRS IE.

FFORM-1258 2.0 * BP D E A 2 EA-6B

Goal. Review day section formation procedures and maneuvers.

Requirements.
Review:
Ground section procedures.
Section interval takeoff and a running rendezvous.
Section parade formation.
Section cruise formation.
Crossunders.
Section VFR turns into and away from the wingman.
Breakup and rendezvous - minimum of 3 each direction.
Section cruise maneuvering.
Lead change.
Previous items as lead aircraft.
Section approaches.
Section VFR break procedures.

Introduce:
TACAN rendezvous.

Performance Standards.
Discuss and safely execute all listed requirements IAW NATOPS.

Crew. FRP/FRS IE.

External Syllabus Support. Special Use Airspace.

FFORM-1259 2.0 * BP N* E A 2 EA-6B

Goal. Introduce night section formation procedures and maneuvers.

Requirements.
Review:
Night ground section procedures.
Section parade formation.
Section cruise formation.
Crossunders.
Section IFR turns into and away from the wingman.
Breakup and rendezvous – minimum of 3 each direction.
Lead change.
Previous items as lead aircraft.
Section approaches.

Introduce:
Section night VFR break procedures.
Night TACAN rendezvous.

Performance Standards.
Discuss and safely execute all listed requirements IAW NATOPS.
Crew. FRP/FRS IE.

External Syllabus Support. Special Use Airspace.

FNAV-1260 2.0 * BP D E A 1 EA-6B

Goal. Introduce FRP to visual low-level navigation. Review aerobatics.

Requirements.
Prepare:
MTR strip chart with route card.

Introduce:
The terms: comfort level, terminate and climb to cope.
Low-level navigation using timing and visual references.
G-warm and FOD check prior to route entry.

Perform:
Visual navigation on an approved MTR IAW LAA syllabus.
Unusual attitude recoveries.
Approach to Stall series.
Aerobatics.

Performance Standards.
Discuss and safely execute all listed requirements.
Navigate within route structure.
Recognize timing errors and apply proper corrections.

Crew. FRP/FRS IE.

External Syllabus Support. Approved MTR, applicable SUA.

FREQ-1261 2.0 * BP (N) E A 1 EA-6B

Goal. Standardization check.

Requirements.
Review:
All normal procedures and maneuvers IAW NATOPS, SOP, MAWTS-1 Courseware, and applicable orders and directives.

Performance Standards.
Flight conforms to published standards.

Crew. FRP/NATOPSI (FRS IE).

External Syllabus Support. Approved MTR, applicable SUA.

FFAM-1262 2.0 * BP D E A 1 EA-6B

Goal. Introduce HARM. Review the normal flight envelope of the EA-6B.

Requirements.
Perform:
Brief IAW NATOPS.
Unusual attitude recoveries.
Approach to Stall series.
Performance maneuvers.
Confidence maneuvers.
Aerobatics.
RK/PB/RU HARM shots.
Perform approaches.
Normal GCA.
No flap/no slat approach.
Simulated single engine approach.
VFR pattern work.

Performance Standards.
Discuss and safely execute all listed requirements.

Crew. FRP/FRS IE.

External Syllabus Support. Special Use Airspace.

FNAV-1263 2.0 * BP D E A 1 EA-6B

Goal. Introduce FRP to visual low-level navigation. Review aerobatics.

Requirements.
Prepare:
MTR strip chart with route card.

Introduce:
The terms: comfort level, terminate and climb to cope.
Low-level navigation using timing and visual references.
G-warm and FOD check prior to route entry.

Perform:
Visual navigation on an approved MTR IAW LAA syllabus.
Unusual attitude recoveries.
Approach to Stall series.
Aerobatics.

Performance Standards.
Discuss and safely execute all listed requirements.
Navigate within route structure.
Recognize timing errors and apply proper corrections.

Crew. FRP/FRS IE.

External Syllabus Support. Approved MTR, Special Use Airspace.

FFORM-1264 2.0 * BP D E A 2 EA-6B

Goal. Introduce section tactical navigation, tactical turns and mutual support.

Requirements.
Discuss:
Standard tactical formations, maneuvering and tactics.

Introduce:
Interval or section takeoff and rendezvous.
Section combat checks, G-warm and FOD check.
Called and uncalled tactical turns in combat spread above 5000 feet AGL.
NAV turn into/away.
TAC turn into/away.
Cross turn.
In-place turn into/away.
Shackle.
Lead change and repeat combat spread tactical turns.
Fighter Wing maneuvering above 5000 feet AGL.
Lead change and repeat Fighter Wing maneuvering.

Perform:
At least one NATOPS/SOP section approach procedure as both lead and wing.

Performance Standards.
Know standard tactical formations, maneuvering and tactics.
Perform all maneuvers IAW NATOPS, MANEUVERS GUIDE and MAWTS-1 EA-6B courseware.

Crew. FRP/FRS IE.

External Syllabus Support. Special Use Airspace.

FFORM-1265 2.0 * BP E D A 2 EA-6B

Goal. Introduce section tactical low-level navigation, tactical turns and mutual support no lower than 500 feet AGL.

Requirements.
Discuss:
Standard tactical formations, maneuvering and tactics at low altitude.

Perform:
Section visual navigation on an approved MTR IAW LAA syllabus.
At least one NATOPS/SOP section approach procedure as both lead and wing.

Introduce:
Interval or section-takeoff and rendezvous.
Section combat checks, G-warm and FOD check.
Called and uncalled tactical turns in combat spread above 500 feet AGL.
NAV turn into/away.
TAC turn into/away.
Cross turn.
In-place turn into/away.
Shackle.
Lead change and repeat Fighter maneuvering.

Performance Standards.
Know standard tactical formations, maneuvering and tactics.
Perform all maneuvers IAW NATOPS, MANEUVERS GUIDE and MAWTS-1 EA-6B courseware.

Crew. FRP/FRS IE.

External Syllabus Support. Approved MTR.

FFORM-1266 2.0 * BP D E A 2 EA-6B

Goal. Review section tactical low level navigation, tactical turns and mutual support no lower than 500 feet AGL.

Requirements.
Discuss:
Standard tactical formations, maneuvering and tactics at low altitude.

Perform:
Section visual navigation on an approved MTR IAW LAA syllabus.
At least one NATOPS/SOP section approach procedure as both lead and wing.

Review:
Interval or section takeoff and rendezvous.
Section combat checks, G-warm and FOD check.
Called and uncalled tactical turns in combat spread above 500 feet AGL.
NAV turn into/away.
TAC turn into/away.
Cross turn.
In-place turn into/away.
Shackle.
Lead change and repeat combat spread tactical turns.
Fighter Wing maneuvering above 500 feet AGL.
Lead change and repeat Fighter Wing maneuvering.

Performance Standards.
Know standard tactical formations, maneuvering and tactics.
Perform all maneuvers IAW NATOPS, MANEUVERS GUIDE and MAWTS-1 EA-6B courseware.

Crew. FRP/FRS IE.

External Syllabus Support. Approved MTR.

FFORM-1267 2.0 * BP N* E A 2 EA-6B

Goal. Review night section formation procedures and maneuvers.

Requirements.
Review:
Night ground section procedures.
Night TACAN rendezvous.
Section parade formation.
Section cruise formation.
Crossunders.
Section IFR turns into and away from the wingman.
Breakup and rendezvous – minimum of 3 each direction.
Lead change.
Previous items as lead aircraft.
Section approaches.
Section night VFR break procedures.

Performance Standards.
Discuss and safely execute all listed requirements.

Crew. FRP/FRS IE.
External Syllabus Support. Special Use Airspace.

FFORM-1268 2.0 * BP D E A 3 EA-6B

Goal. Introduce basic division procedures and maneuvers.

Requirements.
Discuss:
Division formation terms, visual signals and definitions.

Introduce:
Division interval takeoff and rendezvous.
Parade and cruise formation.
Lead changes.
TACAN rendezvous.
NATOPS break-up and rendezvous, one each direction from each position in the formation.
Division maneuvering.
Division recovery.

Performance Standards.
Know division formation terms, visual signals and definitions.
Perform all maneuvers IAW NATOPS.

Crew. FRP/FRS IE.

External Syllabus Support. Special Use Airspace.

FNAV-1269 2.0 * BP N* E A 1 EA-6B

Goal. Review night operation of the EA-6B.

Requirements.
Review:
Night ground procedures.
Night instrument procedures.
Night VFR pattern.

Discuss:
Radar navigation and other radar features.

Perform:
Approaches at enroute airfields.
Approaches at home airfield.

Performance Standards.
Discuss and safely execute all listed requirements.

Crew. FRP/FRS IE.

FNS-1270 2.0 * BP NS E A 1 EA-6B

Goal. Introduce high altitude (5000' AGL and above) flight with NVDs in the EA-6B. Practice all NVD principles and concepts.

Requirements.
Discuss:
NVD use in the EA-6B.
Recognition of NVD malfunctions.

Introduce:
NVDs to prospective NSQ pilot/ECMOs.
In-flight NVD donning/doffing/storing procedures.

Demonstrate:
Limited NVD Field-of-View (FOV) and practice NVD scan pattern with instrument crosschecks.
Maneuvering appropriate to EA tracks with consideration given to NVD capabilities and limitations. Prospective NSQ aircrew shall practice hard turns and scan techniques.

Practice:
Removal and storage of NVDs during both normal operations and one simulated emergency.
Crew coordination procedures while on NVDs.

Performance Standards. Perform all tasks and maneuvers per MAWTS-1 Fixed Wing NVD Manual and applicable MAWTS-1 EA-6B courseware.

Crew. FRP/NSI (FRS IE).

External Support. Special Use Airspace.

FNS-1271 2.0 * BP NS E A 1 EA-6B

Goal. Introduce/review use of NVDs in a low altitude, tactical scenario.

Requirements.
Prepare:
MTR strip chart with route card. Use SLAP for light level planning.

Discuss:
NVD use in low altitude navigation and tactics.

Perform:
On a suitable MTR or other approved training route (NLT 1,000' AGL).

Introduce:
G-warm and FOD check prior to route entry.
Low-level navigation using timing and visual references over at least three legs of the MTR or training route.
Comfort level, terminate, and climb to cope.
Tactical maneuver in the low-level environment.
Low altitude tactical mission tasking.

Performance Standards.
Current chummed chart with correct route card.
Navigate within route structure.
Recognize timing errors and apply proper corrections.
Demonstrate safe, standard low-level navigation procedures.
Meet pre-briefed TOT/JOT/HARM launch time within +/- 10 seconds.

Crew. FRP/NSI (FRS IE).

External Support. Approved MTR.

FNS-1272 2.0 * BP NS E A 2 EA-6B

Goal. Introduce formation flying with the aid of NVDs. This is the Pilot/ECMO NS Qualification sortie.

Requirements.
Discuss:
NVD use in formation flight and low altitude navigation.

Introduce:
Goggle admin formation(s) enroute and in the working area.
Tactical section maneuvering per MAWTS-1 courseware and NS Guide above 5000’ AGL.
Section or interval takeoff and rendezvous.
Parade, Cruise, Fighter Wing, and Deployed Echelon formations.
Lead Changes.
1 NATOPS TACAN rendezvous for each aircraft.
2 NATOPS Break-up and rendezvous for each aircraft - one left, one right.
G-warm, Fighter Wing, and Deployed Echelon maneuvering above 5000 feet AGL.
Lead change and repeat Fighter Wing and Deployed Echelon maneuvering.
various combinations of external light options and range cues.

Practice:
Tactical section maneuvering and navigation at low altitude (NLT 1,000' AGL) on an appropriate MTR or other approved training route.
Fighter Wing and Deployed Echelon

Performance Standards.
Maintains sight of lead.
Conducts safe rendezvous.
Performs proper tactical section maneuvering.

Crew. FRP/NSI (FRS IE).

External Support. Special Use Airspace and approved MTR.

FAR-1273 1.5 * BP D E A 1 EA-6B

Goal. Introduce the techniques/procedures for high altitude day tanking.

Requirements.
Discuss:
Air refueling in the EA-6B.

Practice:
Minimum of 4 dry plugs and 2 wet plugs.

Performance Standards.
Proper communications procedures.
Proper tanker rendezvous.
Proper aerial refueling procedures/techniques.
Proper departure from tanker.
Performs requirements IAW the Air-To-Air Refueling Manual.

Crew. FRP/FRS IE.
External Syllabus Support. KC-130 and Special Use Airspace.

FAR-1274 1.5 * BP N E A 1 EA-6B

Goal. Introduce the techniques/procedures for high altitude night tanking.

Requirements.
Discuss:
Night air refueling in the EA-6B.

Practice:
Minimum of 4 dry plugs and 2 wet plugs.

Performance Standards.
Proper communications procedures.
Proper tanker rendezvous.
Proper aerial refueling procedures/techniques.
Proper departure from tanker.
Performs requirements IAW the Air-To-Air Refueling Manual.

Crew. FRP/FRS IE.

External Syllabus Support. KC-130 and Special Use Airspace.

FFAM-1275 1.5 * BP D E A 1 EA-6B

Goal. Introduce maneuvers designed to familiarize the FRP with the flight characteristics and maneuvering capabilities of the EA-6B.

Requirements.
Discuss:
EA-6B flight characteristics, maneuvering capabilities and flight maneuvers.

Introduce:

Acceleration demonstrations at 1 G and < 1 G.
1 G approach-to-stall and recovery.
2 G approach-to-stall and recovery.
Rolling G/Stab Aug demo.
Break and Hard turns at 10,000 ft. MSL.
Nose High Unusual Attitude and recovery.
Break and Hard turns at 20,000 ft. MSL.
Nose Low Unusual Attitude and recovery.
Dynamic Zoom / Transient Wing Drop.
Slice turn.
Aerobatics:
Flaperon Roll.
Wingover.
Barrel Roll.
Overhead Maneuvers:
Loop.
1/2 Cuban Eight.
Immelmann.
Split S.

Review:
Departures.

Performance Standards.
Correctly discuss all maneuver set ups.
Properly recover from all Unusual Attitudes.
Properly perform all maneuvers IAW NATOPS, MANEUVERS GUIDE and MAWTS-1 EA-6B courseware.

Crew. FRP/FRS IE.

External Syllabus Support. Special Use Airspace.

FDM-1276 1.5 * BP D E A 1 EA-6B

Goal. Introduce EA-6B threat reaction for SAM and ADA.

Requirements. No lower than 500 ft AGL.
Discuss:
EA-6B threat reaction to SAM and ADA.

Introduce:
Hard and Break turns NLT 500’ AGL.
50% rule.
Dive Recovery Rules.
Small Descent ROT.
10 degree rule.
SAM threat reaction maneuvers.
Level-S.
Sam weave.
ADA threat reaction maneuvers.
High altitude preemptive.
High altitude reactive.
Low altitude preemptive.
Low altitude reactive.
Threat reaction communications and expendables usage.
FQMD

Performance Standards.
Correctly discuss all maneuvers.

Correctly perform all maneuvers.

Crew. FRP/BAM/I (FRS IE)or WTI (IE).

External Syllabus Support. Special Use Airspace.

FDM-1277 1.5 * BP D E A 1 EA-6B

Goal. Introduce EA-6B threat reaction for AAM and BVR engagements, Slide/Scram Execution and FQMD.

Requirements. No lower than 500 feet AGL.

Discuss:
EA-6B threat reaction to AAM.

Review:
Hard and Break turns NLT 500' AGL.
Dive Recovery Rules.
SAM threat reaction maneuvers.
ADA threat reaction maneuvers.
Proper expendables usage.

Introduce:
Standard intercept communications.
Proper slide, scram and Decision Range calculations.
AAM threat reaction maneuvers.
Lean procedures.
Slide procedures.
Scram procedures.
FQMD.

Performance Standards.
Correctly discuss all maneuvers IAW NATOPS.
Correctly perform all maneuvers IAW NATOPS.

Crew. FRP/BAMI (FRS IE) or WTI (FRS IE).

External Syllabus Support. Special Use Airspace.

FNAV-1278 2.0 * BP D E A 1 EA-6B

Goal. Review visual low level navigation. Introduce low altitude tactics. Review aerobatics.

Requirements.

Prepare:
MTR strip chart with route card.

Review:
The terms: comfort level, terminate and climb to cope.

Perform:
Visual navigation on an approved MTR IAW LAA syllabus.
Unusual attitude recoveries.
Approach to Stall series.
Aerobatics.

Introduce:
Low-level navigation using timing and visual references.
G-warm and FOD check prior to route entry.

A tactical scenario in the low level environment.

Performance Standards.
Discuss and safely execute all listed requirements.
Navigate within route structure.
Recognize timing errors and apply proper corrections.

Crew. FRP/FRS IE.

External Syllabus Support. Approved MTR, Special Use Airspace.

FNAV-1279 2.0 * BP (N) E A 1 EA-6B

Goal. Review instrument procedures.

Requirements.
Discuss:
Radar navigation and other radar features.

Perform:
Approaches at enroute airfields.
Approaches at home airfield.

Performance Standards.
Discuss and safely execute all listed requirements.

Crew. FRP/FRS IE.

FFCLP-1280 1.5 * BP D E A 1 EA-6B

Goal. Practice day Field Carrier Landing Practice.

Requirements.
Discuss:
FCLP procedures.

Practice:
Minimum of 6 graded passes under control of a qualified LSO.

Performance Standards.
IAW LSO NATOPS.

Crew. FRP/EAFI.

External Syllabus Support. Qualified LSO.

FFCLP-1281 1.5 * BP N E A 1 EA-6B

Goal. Practice night Field Carrier Landing Practice.

Requirements.
Discuss:
FCLP procedures.

Practice:
Minimum of 6 graded passes under control of a qualified LSO.

Performance Standards.
IAW LSO NATOPS.

Crew. FRP/EAFI.

External Syllabus Support. Qualified LSO.

FEAF-1282 1.5 * BP D E A 1 EA-6B

Goal. Introduce day Expeditionary Airfield procedures.

Requirements.
Discuss:
EAF operations.

Demonstrate:
Proper entry and departure procedures at the EAF.

Performance Standards.
Comply with LSO direction.

Crew. FRP/EAFI.

External Syllabus Support. Qualified LSO.

FEAF-1283 1.5 * BP N E A 1 EA-6B

Goal. Introduce night Expeditionary Airfield procedures.

Requirements.
Discuss:
EAF operations.

Demonstrate:
Proper entry and departure procedures at the EAF.

Performance Standards.
Comply with LSO direction.

Crew. FRP/EAFI.

Prerequisite. TBD

External Syllabus Support. Qualified LSO.

FES-1284 2.0 * BP (N) E A 1 EA-6B

Goal. Introduce ALQ-218 tactical operation. Introduce Electronic Warfare Support (ES) and EW Battle Management (EWBM) tactics.

Requirements.
See FRS Scenario guide for complete details.

Performance Standards.
See FRS Scenario guide for complete details.

Crew. FRP/FRS IE.

External Syllabus Support. Special Use Airspace.

FEA-1285 2.0 * BP (N) E A 1 EA-6B

Goal. Introduce ALQ-218 tactical operation. Introduce Electronic Attack (Radar and Comms) and Task Force Support (TFS) tactics.

Requirements.
See FRS Scenario guide for complete details.

Performance Standards.
See FRS Scenario guide for complete details.

Crew. FRP/FRS IE.

External Syllabus Support. Special Use Airspace.

FEA-1286 2.0 * BP (N) E A 1 EA-6B

Goal. Introduce ALQ-218 tactical operation. Introduce HARM and Offensive Air Support (OAS) tactics.

Requirements.
See FRS Scenario guide for complete details.

Performance Standards.
See FRS Scenario guide for complete details.
Crew. FRP/FRS IE.

External Syllabus Support. Special Use Airspace.

2.8.6 Basic ECMO (BE) Aircraft Introduction Syllabus

2.8.6.1 Purpose. Introduce newly designated EA-6B ECMOs to the flight characteristics and capabilities of the EA-6B.

2.8.6.2 General. Refer to NATOPS, squadron Standard Operating Procedures and all other applicable source documents for published standards and required level of performance.

2.8.6.3 Crew Requirements. Fleet Replacement ECMOs (FRECMO) will have a mix of instructors throughout the phase (including Contract Instructors (CI), FRS Instructor Pilots (FRS IP) and FRS Instructor ECMOs (FRS IE). Training codes apply only to FRECMO.

2.8.6.4 Academic Training. Refer to the appropriate FRS Core Skill Introduction Academics (0000 level) phase for academics.

SFFAM-1330 1.5 * BE (N) * S FS

Goal. Maintain BE proficiency in dealing with ground, takeoff, in-flight, and landing emergencies.

Requirements.
Review:
Emergency procedures

Performance Standards. Accurately respond to all emergencies presented.

Crew. FRECMO

SFFAM-1331 2.0 * BE D E S FS

Goal. Introduce FRECMO to EA-6B front seat flight simulator (FS) procedures and all normal checklists.

Requirements.
Discuss:
Plane captain signals.
CRM.

Introduce:
FS normal procedures.
Normal ground procedures (including all pre-power, post power, starting engine, after landing and engine shutdown checklists).
Normal takeoff (including before takeoff and takeoff) checklists.
Normal in-flight procedures including climb checklists.
Normal descent, ground-controlled approach (PAR), and landing; include descent, approach-to-landing, and landing checklists.

Performance Standards.
Demonstrate proper normal communications.
Prepare a takeoff/abort card.
Execute appropriate checklists IAW NATOPS.

Crew. CI/FRECMO.

SFFAM-1332 2.0 * BE D E S FS

Goal. Introduce FRECMO to EFIS displays and navigation procedures.

Requirements.
Review:
Engine starts.
Descent and approach-to-landing.
ILS, TACAN and ACLS approaches.

Introduce:
CDNU power-up and initialization.
Dual EGI alignments.
Creating a CDNU flight plan.
Operation of the ARC-210 V/UHF radios utilizing the CDNU and control head.
Navigation using CDNU pages and the different EFIS display needles in standard EHSI, EHSI MAP, EHSI ARC and ARC MAP modes.

Performance Standards.
Properly create a takeoff/abort card.
Execute appropriate checklists IAW NATOPS.

Crew. CI/FRECMO.

SFFAM-1333 2.0 * BE D E S FS

Goal. Introduce FRECMO to basic instrument flight and scan characteristics of the EA-6B.

Requirements.
Review:

Engine starts.
Taxi, takeoff, climb, level off and enroute procedures.
TACAN and ILS approach at unfamiliar airfields.

Introduce:
S1 maneuver (clean).
S3 maneuver (clean).
Climbing, descending and timed turns.
Steep turns.
Recovery from unusual attitudes.
TACAN point-to-point.
Partial panel instrument flight.

Performance Standards.
Properly create a takeoff/abort card.
Execute appropriate checklists IAW NATOPS.

Crew. CI/FRECMO.

SFFAM-1334 2.0 * BE N* E S FS

Goal. Introduce radar navigation procedures.

Requirements.
Introduce:
Search radar initialization and BITS.
Radar picture initialization procedures.
Geographical and cultural radar returns.
Radar navigation.
Radar navigation updates.
TACAN and present position updates.
Degraded radar operations.
Radar turnpoint procedures.
ACLS Mode II approaches.

Performance Standards.
Properly ground align EGIs.
Properly program the CDNU.
Recognize terrain features, cultural returns and weather.
Successfully navigate using at least three radar significant points.
Properly shut down radar and navigation systems.
Crew. CI/FRECMO.

SFNAV-1335 2.0 * BE D E S FS

Goal. Introduce degraded navigation and HAVEQUICK II operation.

Requirements.
Review:
All applicable checklists.

Introduce:
Degraded navigation modes.
Standalone Mode.
Dead Reckoning Mode.
Inflight alignment.
Navigation Updates.
Attitude Reference failures and corrective actions.
ARC-210 HAVEQUICK II operations.

Performance Standards.
Properly execute all normal procedures and checklists.

Crew. CI/FRECMO.

SFEP-1336 2.0 * BE D E S FS

Goal. Introduce emergency procedures I.

Requirements.
Introduce:
Start emergencies.
Hot start.
Hung start.
Oil pressure not within limits.
Starter light remains on.
Hydraulic check valve failure.
Ground/taxi emergencies.
Fire on deck/egress.
Takeoff/landing emergencies.
Engine failure or fire - takeoff aborted.
Engine failure or fire - takeoff continued.
STAB SHIFT failure after flap retraction.
Landing gear handle cannot be raised due to left WOW switch failure.
In-flight emergencies.
Smoke/fumes in the cockpit.
High/low fluctuating oil pressure.
Single engine flameout with airstart.
Electric boost pump failure.
TJ POD RAT fire/malfunction (selective stores jettison).
AFT bleed air shutoff valve failure to ELEC HIGH AIR TEMP light to AFT TEMP light.
Approach emergencies.
Single engine approach to waveoff.
No flap/no slat approach to waveoff.

Performance Standards.
NATOPS brief.
Accurately respond to all emergencies presented.
Crew. FRP (not evaluated)/FRECMO/CI (console).

SFEP-1337 2.0 * BE D E S FS

Goal. Introduce emergency procedures II.

Requirements.
Introduce:
Start emergencies.
Rudder shift cable failure before start.
Wet start.
CSD overheat.
Centrifugal pump failure.
Takeoff emergencies.
Flaps/slats fail to retract.
Blown tire on takeoff.
In-flight emergencies.
Single generator failure.
CSD OVERHEAT light.

Double generator failure.
DC power failure.
Essential AC failure.
Controlled ejection (brief item only).
Approach emergencies.
STAB SHIFT fail after flap extension.
Flaps/slats fail to extend (Flap/slat CB popped).
Gear/hook circuit breaker popped.
Combined Hydraulic system failure.

Performance Standards.
NATOPS brief.
Accurately respond to all emergencies presented.

Crew. FRP (not evaluated)/FRECMO/CI (console).

SFEP-1338 2.0 * BE D E S FS

Goal. Introduce/practice emergency procedures.

Requirements.
Discuss:
Any emergency in Section V of the NATOPS.

Review:
Start emergencies.
Any previously introduced emergencies.

Introduce:
Takeoff emergencies
Engine failure - takeoff continued (EMER STORES jettison)
Rudder shift failure.
In-flight emergencies.
Double engine flameout.
Flaperon popup in flight.
Approach emergencies.
Single engine landing.
No flap/no slat landing.
Landing if flaperons have popped up (demo only).
Landing gear handle down indicates unsafe.

Performance Standards.
NATOPS brief.
Accurately respond to all emergencies presented.

Crew. FRP (not evaluated)/FRECMO/CI (console).

SFEAF-1339 2.0 * BE D/N E S FS

Goal. Introduce the procedures for day and night Expeditionary Airfield (EAF) and Field Carrier Landing Review (FCLP) procedures.

Requirements.
Discuss:
EAF operations.

Introduce:
Proper entry and departure procedures at the EAF.
Minimum of two ACLS approaches and two GCAs.
Proper waveoff procedures.

Day arrested landings.

Performance Standards.
Brief IAW NATOPS.
Prepare takeoff/abort data card.

Crew. FRP (not evaluated)/FRECMO/Landing Signals Officer (console).

SFFAM-1340 2.0 * BE D E S FS

Goal. Introduce aerobatic maneuvers, recognition of and recovery from stalls and post-stall gyrations, unusual attitudes and recoveries, spin entry and recovery, Low Altitude Awareness (LAA) and landing techniques.

Requirements.
Introduce:
Stalls and recovery from stalls.
Unaccelerated clean stalls.
Accelerated clean stalls.
Clean approach to stalls.
Dirty approach to stalls.
Break turn stalls.
Departure turn stalls.
Landing pattern stalls.
Confidence Maneuvers.
Nose high.
Nose low.
Nose high/nose low.
Modified nose low.
Aerobatics.
Flaperon roll.
Wingover.
Barrel roll.
Overhead Maneuvers.
Loop.
Half Cuban Eight.
Immelmann.
Split-S.
Oblique.
Hard turns.
Break turns.
Slice turns.
Spins.
Landing techniques.
Roll and Go.
Aerodynamic braking.
Crosswind landing.
Low Altitude Awareness.
Navigation and timing.
Two minute prior calls.
Visual illusions.
Static visual cues.
Dynamic visual cues.
Slowly rising terrain.
Mission cross-check time.
Tactical ridgeline crossing.
Terrain avoidance.
Turn and look demo.
Airspeed change demo.

Time-to-impact demo.
Ten degree overbank/insufficient G demo.

Performance Standards.
NATOPS brief.
Correctly discuss stalls and stall recoveries.
Correctly discuss all maneuver set ups.
Correctly discuss spin indications and recoveries.

Crew. FRP (not evaluated)/FRECMO/FRS IP or FRS IE (console).

SFEA-1341 2.0 * BE (N) E S FS

Goal. Introduce front cockpit HARM procedures and employment tactics.

Requirements.
Review:
HARM planning.
Appropriate HARM DAs.
HARM field of view printouts.
HARM shot cards.
Appropriate route planning.

Introduce:
All HARM/HCP related checklists and missile BITs.
CDNU HARM designation procedures and checklists.
All HARM modes and profiles.
HARM aborts and hung missile procedures.

Performance Standards.
Full mission/NATOPS brief.
Properly launch HARM using all modes.
All HARM launches within 10 seconds of planned launch time and within 3 NM of planned launch point.
All HARM impacts within 10 seconds of planned impact time.
Properly complete accurate post-launch HARM shot card.

Crew. FRP (not evaluated)/FRECMO/FRS IP or FRS IE (console).

SFREQ-1342 2.0 * BE (N) E S FS

Goal. Evaluate the knowledge of and adherence to standard instrument procedures. Instrument qualification.

Requirements. Set forth in applicable directives.

Performance Standards. Per NATOPS and the Instrument Flight Manual.

Crew. FRP (not evaluated)/FRECMO/Instrument Evaluator (console).

SFREQ-1343 2.0 * BE D E S FS

Goal. Review knowledge of front seat systems and evaluate the knowledge of and adherence to standard Crew Resource Management.

Requirements. Set forth in applicable directives.

Performance Standards.
Per NATOPS.
Per CRM course objectives.

Crew. FRP (not evaluated)/FRECMO/NATOPSI (console).

SFREQ-1344 2.0 * BE (N) E S FS

Goal. Evaluate knowledge of front seat systems. Initial NATOPS qualification.

Requirements. Set forth in applicable directives.

Performance Standards. Per NATOPS.

Crew. FRP (not evaluated)/FRECMO/NATOPSI (console).

SFNS-1345 2.0 * BE NS E S FS

Goal. Introduce the use of NVDs in the EA-6B cockpit.

Requirements.

Discuss:
- NVD use in the EA-6B.
- Recognition of NVD image defects.
- Shading.
- Edge Glow/veiling glare.
- Honeycomb pattern/chicken wire.
- Bright spots/dark spots.
- Distortion.
- Flickering.
- Scintillation.
- Tilt defects.
- Tube misalignment.
- Acuity disparity.
- Collimation.
- Brightness/contrast difference.

Introduce:
- NVDs to FRP.
- In-flight donning, doffing, goggling, degoggling and stowing procedures.
- NVD misperceptions.
- Terrain reflectivity.
- Terrain shadowing.
- Land/water contrast.
- Introduce different light levels and the effect of weather on NVD usage.

Demonstrate:
- Limited NVD Field-of-View (FOV) and practice NVD scan pattern with instrument crosschecks.
- Maneuvering appropriate to EA tracks with consideration given to NVD capabilities and limitations.

Performance Standards.
Per MAWTS-1 Fixed Wing NVD Manual and MAWTS-1 EA-6B courseware.

Crew. FRP (not evaluated)/FRECMO/NSI (console).

SFFAM-1346 2.0 * BE D E S FS

Goal. Introduce the flight characteristics and maneuvering

capabilities of the EA-6B.

Requirements.
Discuss:
EA-6B flight characteristics, maneuvering capabilities and appropriate flight maneuvers.

Introduce:
Acceleration demonstrations at 1 G and < 1 G.
1 G approach-to-stall and recovery.
2 G approach-to-stall and recovery.
Rolling G/Stab Aug demo.
Break and Hard turns at 10,000 ft. MSL.
Nose High Unusual Attitude and recovery.
Break and Hard turns at 20,000 ft. MSL.
Nose Low Unusual Attitude and recovery.
Dynamic Zoom / Transient Wing Drop.
Slice turn.
Aerobatics.
Flaperon Roll.
Wingover.
Barrel Roll.
Overhead Maneuvers:
Loop.
1/2 Cuban Eight.
Immelmann.
Split S.

Review:
Departures/spins.

Performance Standards.
Correctly discuss all maneuver set ups.
Properly recover from all Unusual Attitudes and Spins.
Properly perform all maneuvers IAW NATOPS, MANEUVERS GUIDE and MAWTS-1 EA-6B courseware.

Crew. FRP (not evaluated)/FRECMO/FRS IP or IE (console).

SFDM-1347 2.0 * BE D E S FS

Goal. Introduce EA-6B defensive maneuvering for SAM and ADA.

Requirements. No lower than 500 ft AGL.
Discuss:
EA-6B defensive manuevering to SAM and ADA.

Introduce:
Hard and Break turns NLT 500’ AGL.
50% rule.
Dive Recovery Rules.
Small Descent ROT.
10 degree rule.
SAM threat reaction maneuvers.
Level-S.
Sam weave.
ADA threat reaction maneuvers.
High altitude preemptive.
High altitude reactive.
Low altitude preemptive.

Low altitude reactive.
Threat reaction communications and expendables usage.
FQMD.

Performance Standards.
Correctly discuss all maneuvers.
Correctly perform all maneuvers.

Crew. FRP (not evaluated)/FRECMO/BAMI or WTI (console).

FFAM-1350 2.0 * BE (N) E A 1 EA-6B

Goal. Familiarize FRECMO with the aft cockpit of the EA-6B.

Requirements.
FRECMO will be escorted by a NATOPS qualified aircrew on the initial sortie.
Discuss:
CRM.

Review:
Aircraft preflight.
TJSR setup and responsibilities.

Performance Standards.
Successfully participate in the sortie.

Crew. FRECMO/FRS IE(aft cockpit).

FFAM-1351 2.0 * BE D E A 1 EA-6B

Goal. Introduce FRECMO to ground procedures, flight characteristics and system operation of the EA-6B.

Requirements.
Introduce:
Aircraft exterior and interior preflight inspections.
Prestart, start and post start procedures.
Taxi and takeoff procedures.
Climb-out and enroute procedures.
Aircraft system operation.
Use of spin assist.
Single-engine shutdown and airstart.
Approach to Stall series.
Performance maneuvers.
Unusual attitude recoveries.
Confidence maneuvers.
Aerobatics.
Descent procedures.
Simulated single-engine and no flap/no slat landings.
Normal landings.
Post-landing procedures.
Post-flight inspection.

Performance Standards.
Successfully prepare a takeoff/abort data card, route card and DD-175-1 weather brief.
Brief all maneuvers IAW NATOPS, MANEUVERS GUIDE and the MAWTS-1 EA-6B courseware.

Crew. FRS IP/FRECMO.

External Syllabus Support. Special Use Airspace.

FFAM-1352 2.0 * BE D E A 1 EA-6B

Goal. Introduce FRECMO to the normal flight envelope of the EA-6B.

Requirements.
Perform:
Brief IAW NATOPS.
Unusual attitude recoveries.
Approach to Stall series.
Performance maneuvers.
Confidence maneuvers.
Aerobatics.
RK/PB/RU HARM shots.
Approaches.
Normal GCA.
No flap/no slat approach.
Simulated single engine approach.
VFR pattern work.

Performance Standards.
Discuss and safely execute all listed requirements IAW NATOPS, MANEUVERS GUIDE and MAWTS-1 EA-6B courseware:

Crew. FRS IP/FRECMO.

External Syllabus Support. Special Use Airspace.

FFAM-1353 2.0 * BE D E A 1 EA-6B

Goal. Review FRECMO instrument scan, precision approaches and VFR landings.

Requirements.
Perform:
Brief IAW NATOPS.
Normal ground procedures.
Takeoff procedures and enter the GCA box pattern.
Precision approaches.
Normal.
No flap/no slat.
Simulated single engine.
Departure and re-entry.
VFR pattern work.
Normal landing and post-landing procedures.

Performance Standards.
Discuss and safely execute all listed requirements.

Crew. FRS IP/FRECMO.

External Syllabus Support. Special Use Airspace.

FFAM-1354 2.0 * BE (N) E A 1 EA-6B

Goal. Introduce radar navigation and degraded navigation procedures.

Requirements.
Introduce:
Search radar initialization and BITS.
Radar picture initialization procedures.
Geographical and cultural radar returns.
Radar navigation.
Radar navigation updates.
TACAN and present position updates.
Degraded radar operations.
Radar turnpoint procedures.
ACLS Mode II approaches.
Degraded navigation modes.
Standalone Mode.
Dead Reckoning Mode.
Inflight alignment.
Navigation Updates.
Attitude Reference failures and corrective actions.

Performance Standards.
Properly ground align EGIs.
Properly program the CDNU.
Recognize terrain features, cultural returns and weather.
Successfully navigate using at least three radar significant points.
Properly shut down radar and navigation systems.

Crew. FRS IP/FRECMO.

External Syllabus Support. Special Use Airspace.

FFAM-1355 2.0 * BE N* E A 1 EA-6B

Goal. Introduce FRECMO to night operation of the EA-6B. Review operation of the APS-130 radar.

Requirements.
Discuss:
Radar navigation and other radar features.

Introduce:
Night ground procedures.
Night instrument procedures.
Night VFR pattern.

Review:
Use of the radar as the primary navigation reference.

Perform:
Approaches at enroute airfields.
Approaches at home airfield.

Performance Standards.
Discuss and safely execute all listed requirements.

Crew. FRS IP/FRECMO.

FFORM-1356 2.0 * BE D E A 2 EA-6B

Goal. Introduce day section formation procedures and maneuvers.

Requirements.

Introduce:
Ground section procedures.
Section interval takeoff and a running rendezvous.
TACAN rendezvous.
Section parade formation.
Section cruise formation.
Crossunders.
Section VFR turns into and away from the wingman.
Breakup and rendezvous - minimum of 3 each direction.
Section cruise maneuvering.
Lead change.
Previous items as lead aircraft.
Section approaches.
Section VFR break procedures.

Performance Standards.
Discuss and safely execute all listed requirements IAW NATOPS.

Crew. FRS IP/FRECMO.

External Syllabus Support. Special Use Airspace.

FFORM-1357 2.0 * BE D E A 2 EA-6B

Goal. Introduce section tactical navigation, tactical turns and mutual support.

Requirements.
Discuss:
Standard tactical formations, maneuvering and tactics at low altitude.

Perform:
At least one NATOPS/SOP section approach procedure as both lead and wing.

Introduce:
Interval or section go takeoff and rendezvous.
Section combat checks, G-warm and FOD check.

Called and uncalled tactical turns in combat spread above 5000 feet AGL.
NAV turn into/away.
TAC turn into/away.
Cross turn.
In-place turn into/away.
Shackle.
Lead change and repeat Fighter Wing maneuvering.

Performance Standards.
Know standard tactical formations, maneuvering and tactics.
Perform all maneuvers IAW NATOPS, MANEUVERS GUIDE and MAWTS-1 EA-6B courseware.

Crew. FRS IP/FRECMO.

External Syllabus Support. Special Use Airspace.

FNAV-1358 2.0 * BE D E A 1 EA-6B

Goal. Introduce FRECMO to visual low-level navigation. Review aerobatics.

Requirements.

Prepare:
MTR strip chart with route card.

Introduce:
The terms: comfort level, terminate and climb to cope.
Low-level navigation using timing and visual references.
G-warm and FOD check prior to route entry.

Perform:
Visual navigation on an approved MTR IAW LAA syllabus.
Unusual attitude recoveries.
Approach to Stall series.
Aerobatics.

Performance Standards.
Discuss and safely execute all listed requirements.
Navigate within route structure.
Recognize timing errors and apply proper corrections.

Crew. FRS IP/FRECMO.

External Syllabus Support. Approved MTR, Special Use Airspace.

FNAV-1359 2.0 * BE D E A 1 EA-6B

Goal. Introduce FRECMO to visual low-level navigation. Review aerobatics.

Requirements.

Prepare:
MTR strip chart with route card.

Introduce:
The terms: comfort level, terminate and climb to cope.
Low-level navigation using timing and visual references.
G-warm and FOD check prior to route entry.

Perform:
Visual navigation on an approved MTR IAW LAA syllabus.
Unusual attitude recoveries.
Approach to Stall series.
Aerobatics.

Performance Standards.
Discuss and safely execute all listed requirements.
Navigate within route structure.
Recognize timing errors and apply proper corrections.

Crew. FRS IP/FRECMO.

External Syllabus Support. Approved MTR, Special Use Airspace.

FFORM-1360 2.0 * BE D E A 2 EA-6B

Goal. Introduce section tactical low-level navigation, tactical turns and mutual support no lower than 500 feet AGL.

Requirements.

Discuss:

Standard tactical formations, maneuvering and tactics at low altitude.

Perform:

Section visual navigation on an approved MTR IAW LAA syllabus.
At least one NATOPS/SOP section approach procedure as both lead and wing.

Introduce:

Interval or section go takeoff and rendezvous.
Section combat checks, G-warm and FOD check.
Called and uncalled tactical turns in combat spread above 500 feet AGL.
NAV turn into/away.
TAC turn into/away.
Cross turn.
In-place turn into/away.
Shackle.
Lead change and repeat Fighter maneuvering.

Performance Standards.
Know standard tactical formations, maneuvering and tactics.
Perform all maneuvers IAW NATOPS, MANEUVERS GUIDE and MAWTS-1 EA-6B courseware.

Crew. FRS IP/FRECMO.

External Syllabus Support. Approved MTR.

FFORM-1361 2.0 * BE N* E A 2 EA-6B

Goal. Introduce night section formation procedures and maneuvers.

Requirements.

Introduce:

Night ground section procedures.
Night TACAN rendezvous
Section parade formation.
Section cruise formation.
Crossunders.
Section IFR turns into and away from the wingman.
Breakup and rendezvous – minimum of 3 each direction.
Lead change.
Previous items as lead aircraft.
Section approaches.
Section night VFR break procedures.

Performance Standards.
Discuss and safely execute all listed requirements.

Crew. FRS IP/FRECMO.

External Syllabus Support. Special Use Airspace.

FNAV-1362 2.0 * BE N E A 1 EA-6B

Goal. Review night operation of the EA-6B.

Requirements.
Review:
Night ground procedures.
Night instrument procedures.
Night VFR pattern.

Discuss:
Radar navigation and other radar features.

Perform:
Approaches at enroute airfields.
Approaches at home airfield.

Performance Standards.
Discuss and safely execute all listed requirements.

Crew. FRS IP/FRECMO.

FFAM-1363 1.5 * BE D E A 1 EA-6B

Goal. Introduce maneuvers designed to familiarize the FRECMO with the flight characteristics and maneuvering capabilities of the EA-6B.

Requirements.
Discuss:
EA-6B flight characteristics, maneuvering capabilities and flight maneuvers.

Introduce:
Acceleration demonstrations at 1 G and < 1 G.
1 G approach-to-stall and recovery.
2 G approach-to-stall and recovery.
Rolling G/Stab Aug demo.
Rolling G/Stab Aug demo.
Break and Hard turns at 10,000 ft. MSL.
Nose High Unusual Attitude and recovery.
Break and Hard turns at 20,000 ft. MSL.
Nose Low Unusual Attitude and Recovery.
Dynamic Zoom / Transient Wing Drop.
Slice Turn.
Aerobatics.
Flaperon Roll.
Wingover.
Barrel Roll.
Overhead Maneuvers:
Loop.
1/2 Cuban Eight.
Immelmann.
Split S.

Review:
Departures.

Performance Standards.

Correctly discuss all maneuver set ups.
Properly recover from all Unusual Attitudes.
Properly perform all maneuvers IAW NATOPS, MANEUVERS GUIDE and MAWTS-1 EA-6B courseware.

Crew. FRS IP/FRECMO.

External Syllabus Support. Special Use Airspace.

FDM-1364 1.5 * BE D E A 1 EA-6B

Goal. Introduce EA-6B threat reaction for SAM and ADA.

Requirements. No lower than 500 ft AGL.
Discuss:
EA-6B threat reaction to SAM and ADA.

Introduce:
Hard and Break turns NLT 500' AGL.
50% rule.
Dive Recovery Rules.
Small Descent ROT.
10 degree rule.
SAM threat reaction maneuvers.
Level-S.
Sam weave.
ADA threat reaction maneuvers.
High altitude preemptive.
High altitude reactive.
Low altitude preemptive.
Low altitude reactive.
Threat reaction communications and expendables usage.
FQMD

Performance Standards.
Correctly discuss all maneuvers IAW NATOPS.
Correctly perform all maneuvers IAW NATOPS.

Crew. BAM IP/FRECMO.

External Syllabus Support. Special Use Airspace.

FREQ-1365 2.0 * BE (N) E A 1 EA-6B

Goal. Standardization check.

Requirements.
Review:
All normal procedures IAW NATOPS, SOP and applicable orders and directives.

Performance Standards.
Brief all applicable maneuvers and procedures IAW NATOPS, MANEUVERS GUIDE and MAWTS-1 EA-6B courseware.
Flight conforms to published standards.

Crew. NATOPSI (FRS IP)/FRECMO.

External Syllabus Support. Approved MTR, Special Use Airspace.

FNS-1366 2.0 * BE NS E A 1 EA-6B

Goal. Introduce high altitude (5000' AGL and above) flight with NVDs in the EA-6B. Practice all NVD principles and concepts.

Requirements.

Discuss:
NVD use in the EA-6B.
Recognition of NVD malfunctions.

Introduce:
NVDs to prospective FRECMO.
In-flight NVD donning/doffing/storing procedures.

Demonstrate:
Limited NVD Field-of-View (FOV) and practice NVD scan pattern with instrument crosschecks.
Maneuvering appropriate to EA tracks with consideration given to NVD capabilities and limitations.
FRECMO shall practice hard turns and scan techniques.

Practice:
Removal and storage of NVDs during both normal operations and one simulated emergency.
Crew coordination procedures while on NVDs.

Performance Standards. Perform all tasks and maneuvers per MAWTS-1 Fixed Wing NVD Manual and applicable MAWTS-1 EA-6B courseware.

Crew. NSI (FRS IP)/FRECMO.

External Support. Special Use Airspace.

FNS-1367 2.0 * BE NS E A 1 EA-6B

Goal. Introduce/review use of NVDs in a low altitude, tactical scenario.

Requirements.

Prepare:
MTR strip chart with route card. Use SLAP for light level planning.

Discuss:
NVD use in low altitude navigation and tactics.

Perform:
On a suitable MTR or other approved training route (NLT 1,000' AGL).

Introduce:
G-warm and FOD check prior to route entry.
Low-level navigation using timing and visual references over at least three legs of the MTR or training route.
Comfort level, terminate, and climb to cope.
Tactical maneuver in the low-level environment.
Low altitude tactical mission tasking.

Performance Standards.

Current chummed chart with correct route card.
Navigate within route structure.
Recognize timing errors and apply proper corrections.
Demonstrate safe, standard low-level navigation procedures.
Meet pre-briefed TOT/JOT/HARM launch time within +/- 10 seconds.

Crew. NSI (IP)/FRECMO.

External Support. Approved MTR.

FNS-1368 2.0 * BE NS E A 2 EA-6B

Goal. Introduce formation flying with the aid of NVDs. This is the FRECMO NS Qualification sortie.

Requirements.
Discuss:
NVD use in formation flight and low altitude navigation.

Introduce:
Goggle admin formation(s) enroute and in the working area.
Tactical section maneuvering per MAWTS-1 courseware and NS Guide above 5000’ AGL.
Section or interval takeoff and rendezvous.
Parade, Cruise, Fighter Wing, and Deployed Echelon formations.
Lead Changes.
1 NATOPS TACAN rendezvous for each aircraft.
2 NATOPS Break-up and rendezvous for each aircraft - one left, one right.
G-warm, Fighter Wing, and Deployed Echelon maneuvering above 5000 feet AGL.
Lead change and repeat Fighter Wing and Deployed Echelon maneuvering.
various combinations of external light options and range cues.

Practice:
Tactical section maneuvering and navigation at low altitude (NLT 1,000' AGL) on an appropriate MTR or other approved training route.
Fighter Wing and Deployed Echelon

Performance Standards.
Maintains sight of lead.
Conducts safe rendezvous.
Performs proper tactical section maneuvering.

Crew. NSI (IP)/FRECMO.
External Support. Special Use Airspace and approved MTR.

FEAF-1369 0.8 * BE D E A 1 EA-6B

Goal. Introduce day Expeditionary Airfield procedures.

Requirements.
Discuss:
EAF operations.

Demonstrate:
Proper entry and departure procedures at the EAF.

Performance Standards.
Safely accomplish at least 1 arrested landing.
Comply with LSO direction.

Crew. LSO (IP)/FRECMO.

External Syllabus Support. Qualified LSO.

FES-1370 2.0 * BE (N) E A 1 EA-6B

Goal. Introduce ALQ-218 tactical operation. Introduce Electronic Warfare Support (ES) and EW Battle Management (EWBM) tactics.

Requirements.
See FRS Scenario guide for complete details.

Performance Standards.
See FRS Scenario guide for complete details.

Crew. FRS IP/FRECMO or FRP/FRS IE/FRECMO.

External Syllabus Support. Special Use Airspace.

FEA-1371 2.0 * BE (N) E A 1 EA-6B

Goal. Introduce ALQ-218 tactical operation. Introduce Electronic Attack (Radar and Comms) and Task Force Support (TFS) tactics.

Requirements.
See FRS Scenario guide for complete details.

Performance Standards.
See FRS Scenario guide for complete details.

Crew. FRS IP/FRECMO or FRP/FRS IE/FRECMO.

External Syllabus Support. Special Use Airspace.

FEA-1372 2.0 * BE (N) E A 1 EA-6B

Goal. Introduce ALQ-218 tactical operation. Introduce HARM and Offensive Air Support (OAS) tactics.

Requirements.
See FRS Scenario guide for complete details.

Performance Standards.
See FRS Scenario guide for complete details.

Crew. FRS IP/FRECMO or FRP/FRS IE/FRECMO.

External Syllabus Support. Special Use Airspace.

2.8.7 Full Refresher Pilot (RP) and Modified Refresher Pilot (MRP) Aircraft Refresh Syllabus

2.8.7.1 Purpose. Re-introduce designated EA-6B pilots to the flight characteristics and capabilities of the EA-6B.

2.8.7.2 General. Refer to NATOPS, squadron Standard Operating Procedures and all other applicable source documents for published standards and required level of performance.

2.8.7.3 Crew Requirements. Fleet Replacement Pilots (FRP) will have a mix of instructors throughout the phase (including Contract Instructors (CI), FRS Instructor Pilots (FRS IP) and FRS Instructor ECMOs (FRS IE). Training codes apply only to FRP.

2.8.7.4 Academic Training. Refer to the appropriate FRS Core Skill Introduction (0000 level) phase for academics.

SFFAM-1430 1.5 * RP,MRP (N) * S FS

Goal. Maintain RP,MRP proficiency in dealing with ground, takeoff, in-flight, and landing emergencies.

Requirements.

Review:

Emergency procedures

Performance Standards. Accurately respond to all emergencies presented.

Crew. FRP/FRECMO.

SFFAM-1433 2.0 * RP,MRP D E S FS

Goal. Introduce FRP/FRECMO to basic instrument flight and scan characteristics of the EA-6B.

Requirements.

Review:

Engine starts.
Taxi, takeoff, climb, level off and enroute procedures.
TACAN and ILS approach at unfamiliar airfields.

Introduce:

S1 maneuver (clean).
S3 maneuver (clean).
Climbing, descending and timed turns.
Steep turns.
Recovery from unusual attitudes.
TACAN point-to-point.
Partial panel instrument flight.

Performance Standards.
Properly complete all maneuvers IAW NATOPS, MANEUVERS GUIDE and MAWTS-1 EA-6B courseware.
Properly create a takeoff/abort card.
Execute appropriate checklists IAW NATOPS.

Crew. FRP/FRECMO/CI.

SFEP-1436 2.0 * RP D E S FS

Goal. Introduce emergency procedures II.

Requirements.

Introduce:
Start emergencies.
Rudder shift cable failure before start.
Wet start.
CSD overheat.
Centrifugal pump failure.
Takeoff emergencies.
Flaps/slats fail to retract.
Blown tire on takeoff.
In-flight emergencies.
Single generator failure.
CSD OVERHEAT light.
Double generator failure.
DC power failure.
Essential AC failure.
Controlled ejection (brief item only).
Approach emergencies.
STAB SHIFT fail after flap extension.
Flaps/slats fail to extend (Flap/slat CB popped).
Gear/hook circuit breaker popped.
Combined Hydraulic system failure.

Performance Standards.
NATOPS brief.
Accurately respond to all emergencies presented.

Crew. FRP/FRECMO (not evaluated)/CI (console).

SFEP-1437 2.0 * RP,MRP D E S FS

Goal. Introduce/practice emergency procedures III.

Requirements.
Discuss:
Any emergency in Section V of the NATOPS.
Review:
Start emergencies.
Any previously introduced emergencies.

Introduce:
Takeoff emergencies
Engine failure - takeoff continued (EMER STORES jettison)
Rudder shift failure.
In-flight emergencies.
Double engine flameout.
Flaperon popup in flight.
Approach emergencies.
Single engine landing.
No flap/no slat landing.
Landing if flaperons have popped up (demo only).
Landing gear handle down indicates unsafe.

Performance Standards.
NATOPS brief.
Accurately respond to all emergencies presented.

Crew. FRP/FRECMO (not evaluated)/CI (console).

SFFAM-1438 2.0 * RP,MRP D E S FS

Goal. Introduce aerobatic maneuvers, recognition of and recovery from stalls and post-stall gyrations, unusual attitudes and recoveries, spin entry and recovery, Low Altitude Awareness (LAA) and landing techniques.

Requirements.

Introduce:

- Stalls and recovery from stalls.
- Unaccelerated clean stalls.
- Accelerated clean stalls.
- Clean Approach-to-Stalls.
- Dirty approach-to-Stalls.
- Break Turn stalls.
- Departure turn stalls.
- Landing pattern stalls.
- Confidence Maneuvers.
- Nose High.
- Nose Low.
- Nose High/Nose Low.
- Modified Nose Low.
- Aerobatics.
- Flaperon Roll.
- Wingover.
- Barrel Roll.
- Introduce Overhead Maneuvers.
- Loop.
- Half Cuban Eight.
- Immelmann.
- Split S.
- Oblique.
- Hard Turns.
- Break Turns.
- Slice Turns.
- Introduce spins.
- Landing techniques.
- Roll and Go.
- Aerodynamic braking.
- Crosswind landing.
- Low Altitude Awareness.
- Navigation and timing.
- Two minute prior calls.
- Visual illusions.
- Static visual cues.
- Dynamic visual cues.
- Slowly rising terrain.
- Mission cross-check time.
- Tactical ridgeline crossing.
- Terrain avoidance.
- Turn and look demo.
- Airspeed change demo.
- Time-to-impact demo.
- Ten degree overbank/insufficient G demo.

Performance Standards.

Perform all maneuvers IAW NATOPS, MANEUVERS GUIDE, and the MAWTS-1 EA-6B courseware.

Correctly discuss stalls and stall recoveries.

Correctly discuss all maneuver set ups.
Correctly discuss spin indications and recoveries.

Crew. FRP/FRECMO (not evaluated)/FRS IP or FRS IE (console).

SFEA-1439 2.0 * RP D E S FS

Goal. Introduce OFT HARM procedures and employment tactics.

Requirements.
Review:
HARM planning.
Appropriate HARM DAs.
HARM field of view printouts.
HARM shot cards.
Appropriate route planning.

Introduce:
All HARM/HCP related checklists and missile BITs.
CDNU HARM designation procedures and checklists.
All HARM modes and profiles.
HARM aborts and hung missile procedures.

Performance Standards.
Full mission/NATOPS brief.
Properly launch HARM using all modes.
All HARM launches within 10 seconds of planned launch time and within 3 NM of planned launch point.
All HARM impacts within 10 seconds of planned impact time.
Properly completer accurate post-launch HARM shot card.

Crew. FRP/FRECMO (not evaluated)/FRS IP or FRS IE (console).

SFREQ-1440 2.0 * RP, MRP (N) E S/A FS

Goal. Evaluate the knowledge of and adherence to standard instrument procedures. Instrument qualification.

Requirements.
Set forth in applicable directives.

Performance Standards.
Per NATOPS and the Instrument Flight Manual.

Crew. FRP/FRECMO (not evaluated)/Instrument Evaluator (console).

SFREQ-1442 2.0 * RP, MRP (N) E S/A FS

Goal. Evaluate knowledge of front seat systems. NATOPS qualification.

Requirements.
Set forth in applicable directives.

Performance Standards.
Per NATOPS.

Crew. FRP/FRECMO (not evaluated)/NATOPSI (console).

SFFAM-1445 2.0 * RP D E S FS

Goal. Introduce the flight characteristics and maneuvering capabilities of the EA-6B.

Requirements.

Discuss:

EA-6B flight characteristics, maneuvering capabilities and appropriate flight maneuvers.

Introduce:

Acceleration Demonstrations at 1 G and < 1 G.
1 G Approach-to-Stall and recovery.
2 G Approach-to-Stall and recovery.
Rolling G/Stab Aug demo.
Break and Hard turns at 10,000 ft. MSL.
Nose High Unusual Attitude and recovery.
Break and Hard turns at 20,000 ft. MSL.
Nose Low Unusual Attitude and recovery.
Dynamic Zoom / Transient Wing Drop.
Slice Turn.
Aerobatics.
Flaperon Roll.
Wingover.
Barrel Roll.
Overhead Maneuvers:
Loop.
1/2 Cuban Eight.
Immelmann.
Split S.

Review:

Departures/spins.

Performance Standards.
Correctly discuss all maneuver set ups.
Properly recover from all Unusual Attitudes and Spins.
Properly perform all maneuvers IAW NATOPS, MANEUVERS GUIDE and MAWTS-1 EA-6B courseware.

Crew. FRP/FRECMO (not evaluated)/FRS IP or IE (console).

FFAM-1454 2.0 * RP, MRP D E A 1 EA-6B

Goal. Introduce FRP to the normal flight envelope of the EA-6B.

Requirements.

Perform:

Brief IAW NATOPS.
Unusual attitude recoveries.
Approach-to-Stall series.
Performance maneuvers.
Confidence maneuvers.
Aerobatics.
Approaches.
Normal GCA.
No flap/no slat approach.
Simulated single engine approach.
VFR pattern work.

Performance Standards.
Discuss and safely execute all listed requirements IAW NATOPS, MANEUVERS GUIDE and MAWTS-1 EA-6B courseware:

Crew. FRP/FRS IP.

External Syllabus Support. Special Use Airspace.

FFORM-1455 2.0 * RP, MRP D E A 2 EA-6B

Goal. Introduce FRP to basic section formation flight procedures and maneuvers. Evaluate FRP as safe for ECMO.

Requirements.
Introduce:
Ground section procedures.
Section interval takeoff.
A running rendezvous.
Section parade formation.
Section cruise formation.
Crossunders.
Section VFR turns into and away from the wingman.
Breakup and rendezvous - 3 minimum each direction.
Section cruise maneuvering.
Lead change.
Previous items as lead aircraft.
Section approaches.
Section VFR break procedures.

Performance Standards.
Discuss and safely execute all listed requirements IAW NATOPS.

Crew. FRP/FRS IP.

External Syllabus Support. Special Use Airspace.

FFAM-1457 2.0 * RP, MRP N* E A 1 EA-6B

Goal. Introduce FRP to night operation of the EA-6B. Introduce operation of the APS-130 radar.

Requirements.
Introduce:
Night ground procedures.
Night instrument procedures.
Use of the radar as the primary navigation reference.
Night VFR pattern.

Discuss:
Radar navigation and other radar features.

Perform:
Approaches at enroute airfields.
Approaches at home airfield.

Performance Standards.
Discuss and safely execute all listed requirements.

Crew. TBD.

FFORM-1459 2.0 * RP N* E A 2 EA-6B

Goal. Introduce night section formation procedures and maneuvers.

Requirements.
Review:
Night ground section procedures.
Section parade formation.
Section cruise formation.
Crossunders.
Section IFR turns into and away from the wingman.
Breakup and rendezvous - minimum of 3 each direction.
Lead change.
Previous items as lead aircraft.
Section approaches.

Introduce:
Section night VFR break procedures.
Night TACAN rendezvous.

Performance Standards.
Discuss and safely execute all listed requirements.

Crew. FRP/FRS IE.

External Syllabus Support. Special Use Airspace.

FNAV-1460 2.0 * MRP D E A 1 EA-6B

Goal. Introduce FRP to visual low-level navigation. Review aerobatics.

Requirements.
Prepare:
MTR strip chart with route card.

Introduce:
The terms: comfort level, terminate and climb to cope.
Low-level navigation using timing and visual references.
G-warm and FOD check prior to route entry.

Perform:
Visual navigation on an approved MTR IAW LAA syllabus.
Unusual attitude recoveries.
Approach to Stall series.
Aerobatics.

Performance Standards.
Discuss and safely execute all listed requirements.
Navigate within route structure.
Recognize timing errors and apply proper corrections.

Crew. FRP/FRS IE.

External Syllabus Support. Approved MTR, applicable SUA.

FNAV-1463 2.0 * RP D E A 1 EA-6B

Goal. Introduce FRP to visual low-level navigation. Review aerobatics.

Requirements.

Prepare:

MTR strip chart with route card.

Introduce:

The terms: comfort level, terminate and climb to cope.
Low-level navigation using timing and visual references.
G-warm and FOD check prior to route entry.

Perform:

Visual navigation on an approved MTR IAW LAA syllabus.
Unusual attitude recoveries.
Approach to Stall series.
Aerobatics.

Performance Standards.
Discuss and safely execute all listed requirements.
Navigate within route structure.
Recognize timing errors and apply proper corrections.

Crew. FRP/FRS IE.

External Syllabus Support. Approved MTR, Special Use Airspace.

FFORM-1466 2.0 * RP D E A 2 EA-6B

Goal. Review section tactical high and low-level navigation, tactical turns and mutual support no lower than 500 feet AGL.

Requirements.

Discuss:

Standard tactical formations, maneuvering and tactics at low altitude.

Perform:

Section visual navigation on an approved MTR IAW LAA syllabus.
At least one NATOPS/SOP section approach procedure as both lead and wing.

Review:

Interval or section go takeoff and rendezvous.
Section combat checks, G-warm and FOD check.
Called and uncalled tactical turns in combat spread above 500 feet AGL.
NAV turn into/away.
TAC turn into/away.
Cross turn.
In-place turn into/away.
Shackle.
Lead change and repeat combat spread tactical turns.
Fighter Wing maneuvering above 5000 feet AGL.
Lead change and repeat Fighter Wing maneuvering.

Performance Standards.
Know standard tactical formations, maneuvering and tactics.
Perform all maneuvers IAW NATOPS, MANEUVERS GUIDE and MAWTS-1 EA-6B courseware.

Crew. FRP/FRS IE.

External Syllabus Support. Approved MTR and Special Use Airspace.

FAR-1473 1.5 * RP D E A 1 EA-6B

Goal. Introduce the techniques/procedures for high altitude day tanking.

Requirements.
Discuss:
Air refueling in the EA-6B.

Practice:
Minimum of 4 dry plugs and 2 wet plugs.

Performance Standards.
Proper communications procedures.
Proper tanker rendezvous.
Proper aerial refueling procedures/techniques.
Proper departure from tanker.

Crew. FRP/FRS IE.

External Syllabus Support. Tanker and Special Use Airspace.

FAR-1474 1.5 * RP N E A 1 EA-6B

Goal. Introduce the techniques/procedures for high altitude night tanking.

Requirements.
Discuss:
Night air refueling in the EA-6B.

Practice:
Minimum of 4 dry plugs and 2 wet plugs.

Performance Standards.
Proper communications procedures.
Proper tanker rendezvous.
Proper aerial refueling procedures/techniques.
Proper departure from tanker.

Crew. FRP/FRS IE.

External Syllabus Support. Tanker and Special Use Airspace.

FFAM-1475 1.5 * RP D E A 1 EA-6B

Goal. Introduce maneuvers designed to familiarize the FRP with the flight characteristics and maneuvering capabilities of the EA-6B.

Requirements.
Discuss:
EA-6B flight characteristics, maneuvering capabilities and flight maneuvers.

Introduce:
Acceleration Demonstrations at 1 G and < 1 G.
1 G Approach-to-Stall and recovery.

2 G Approach-to-Stall and recovery.
Rolling G/Stab Aug demo.
Break and Hard Turns at 10,000 ft. MSL.
Nose High Unusual Attitude and recovery.
Break and Hard turns at 20,000 ft. MSL.
Nose Low Unusual Attitude and recovery.
Dynamic Zoom / Transient Wing Drop.
Slice Turn.
Aerobatics:
Flaperon Roll.
Wingover.
Barrel Roll.
Overhead Maneuvers:
Loop.
1/2 Cuban Eight.
Immelmann.
Split S.

Review:
Departures.

Performance Standards.
Correctly discuss all maneuver set ups.
Properly recover from all Unusual Attitudes and Spins.

Properly perform all maneuvers IAW NATOPS, MANEUVERS GUIDE and MAWTS-1 EA-6B courseware.

Crew. FRP/FRS IE.

External Syllabus Support. Special Use Airspace.

2.8.8 Full Refresher ECMO (RE) and Modified Refresher ECMO (MRE) Aircraft Refresh syllabus

2.8.8.1 Purpose. Re-introduce designated EA-6B ECMOs to the flight characteristics and capabilities of the EA-6B.

2.8.8.2 General. Refer to NATOPS, squadron Standard Operating Procedures and all other applicable source documents for published standards and required level of performance.

2.8.8.3 Crew Requirements. Fleet Replacement ECMOs (FRECMO) will have a mix of instructors throughout the phase including Contract Simulator Instructors (CI), Instructor Pilots (FRS IP) and Instructor ECMOs (FRS IE). Training codes apply only to FRECMO.

2.8.8.4 Academic Training. Refer to the appropriate FRS Core Skill Introduction (0000 level) phase for academics.

SFNAV-1535	2.0	*	RE,MRE	D	E	S	FS

Goal. Introduce degraded navigation and HAVEQUICK II operation.

Requirements.
Review:
All applicable checklists.

Introduce:
Degraded navigation modes.

Standalone Mode.
Dead Reckoning Mode.
Inflight alignment.
Navigation Updates.
Attitude Reference failures and corrective actions.
ARC-210 HAVEQUICK II operations.

Performance Standards.
Properly execute all normal procedures and checklists.

Crew. CI/FRECMO.

SFEP-1536 2.0 * RE D E S FS

Goal. Introduce emergency procedures II.

Requirements.
Introduce:
Start emergencies.
Rudder shift cable failure before start.
Wet start.
CSD overheat.
Centrifugal pump failure.
Takeoff emergencies.
Flaps/slats fail to retract.
Blown tire on takeoff.
In-flight emergencies.
Single generator failure.
CSD OVERHEAT light.
Double generator failure.
DC power failure.
Essential AC failure.
Controlled ejection (brief item only).
Approach emergencies.
STAB SHIFT fail after flap extension.
Flaps/slats fail to extend (Flap/slat CB popped).
Gear/hook circuit breaker popped.
Combined Hydraulic system failure.

Performance Standards.
NATOPS brief.
Accurately respond to all emergencies presented.

Crew. FRP (not evaluated)/FRECMO/CI (console).

SFEP-1538 2.0 * RE, MRE D E S FS

Goal. Introduce/practice emergency procedures III.

Requirements.
Discuss:
Any emergency in Section V of the NATOPS.

Review:
Start emergencies.
Any previously introduced emergencies.

Introduce:

Takeoff emergencies
Engine failure - takeoff continued (EMER STORES jettison)
Rudder shift failure.
In-flight emergencies.
Double engine flameout.
Flaperon popup in flight.
Approach emergencies.
Single engine landing.
No flap/no slat landing.
Landing if flaperons have popped up (demo only).
Landing gear handle down indicates unsafe.

Performance Standards.
NATOPS brief.
Accurately respond to all emergencies presented.

Crew. FRP (not evaluated)/FRECMO/CI (console).

SFFAM-1540 2.0 * RE, MRE D E S FS

Goal. Introduce aerobatic maneuvers, recognition of and recovery from stalls and post-stall gyrations, unusual attitudes and recoveries, spin entry and recovery, Low Altitude Awareness (LAA) and landing techniques.
Requirements.
Introduce:
Stalls and recovery from stalls.
Unaccelerated clean stalls.
Accelerated clean stalls.
Clean Approach-to-Stalls.
Dirty Approach-to-Stalls.
Break Turn stalls.
Departure Turn stalls.
Landing pattern stalls.
Confidence Maneuvers.
Nose High.
Nose Low.
Nose High/Nose Low.
Modified Nose Low.
Aerobatics.
Flaperon Roll.
Wingover.
Barrel Roll.
Overhead Maneuvers:
Loop.
Half Cuban Eight.
Immelmann.
Split S.
Oblique.
Hard Turns.
Break Turns.
Slice Turns.
Spins.
Landing techniques.
Roll and Go.
Aerodynamic braking.
Crosswind landing.
Low Altitude Awareness.
Navigation and timing.
Two minute prior calls.

Visual illusions.
Static visual cues.
Dynamic visual cues.
Slowly rising terrain.
Mission cross-check time.
Tactical ridgeline crossing.
Terrain avoidance.
Turn and look demo.
Airspeed change demo.
Time-to-impact demo.
Ten degree overbank/insufficient G demo.

Performance Standards.
Perform the maneuvers IAW NATOPS, MANEUVERS GUIDE, and the MAWTS-1 EA-6B courseware:
NATOPS brief.
Correctly discuss stalls and stall recoveries.
Correctly discuss all maneuver set ups.
Correctly discuss spin indications and recoveries.

Crew. FRP (not evaluated)/FRECMO/FRS IP or FRS IE (console).

SFEA-1541 2.0 * RE D E S FS

Goal. Introduce OFT HARM procedures and employment tactics.

Requirements.
Review:
HARM planning.
Appropriate HARM DAs.
HARM field of view printouts.
HARM shot cards.
Appropriate route planning.

Introduce:
All HARM/HCP related checklists and missile BITs.
CDNU HARM designation procedures and checklists.
All HARM modes and profiles.
HARM aborts and hung missile procedures.

Performance Standards.
Full mission/NATOPS brief.
Properly launch HARM using all modes.
All HARM launches within 10 seconds of planned launch time and within 3 NM of planned launch point.
All HARM impacts within 10 seconds of planned impact time.
Properly completer accurate post-launch HARM shot card.

Crew. FRP (not evaluated)/FRECMO/FRS IP or FRS IE (console).

SFREQ-1542 2.0 * RE, MRE (N) E S/A FS

Goal. Evaluate the knowledge of and adherence to standard instrument procedures. Instrument qualification.

Requirements.
Set forth in applicable directives.

Performance Standards.
Per NATOPS and the Instrument Flight Manual.

Crew. FRP (not evaluated)/FRECMO/Instrument Evaluator (console).

SFREQ-1544 2.0 * RE, MRE (N) E S/A FS

Goal. Evaluate knowledge of front seat systems. NATOPS qualification.

Requirements.
Set forth in applicable directives.

Performance Standards.
Per NATOPS.

Crew. FRP (not evaluated)/FRECMO/NATOPSI (console).

SFFAM-1546 2.0 * RE D E S FS

Goal. Introduce the flight characteristics and maneuvering capabilities of the EA-6B.

Requirements.
Discuss:
EA-6B flight characteristics, maneuvering capabilities and appropriate flight maneuvers.

Introduce:
Acceleration demonstrations at 1 G and < 1 G.
1 G Approach-to-Stall and recovery.
2 G Approach-to-Stall and recovery.
Rolling G/Stab Aug demo.
Break and Hard Turns at 10,000 ft. MSL.
Nose High Unusual Attitude and recovery.
Break and Hard Turns at 20,000 ft. MSL.
Nose Low Unusual Attitude and recovery.
Dynamic Zoom / Transient Wing Drop.
Slice Turn.
Aerobatics:
Flaperon Roll.
Wingover.
Barrel Roll.
Overhead Maneuvers:
Loop.
1/2 Cuban Eight.
Immelmann.
Split S.

Review:
Departures/spins.

Performance Standards.
Correctly discuss all maneuver set ups IAW NATOPS, MANEUVERS GUIDE and MAWTS-1 EA-6B courseware:
Properly recover from all Unusual Attitudes and Spins.
Properly perform all maneuvers IAW NATOPS, MANEUVERS GUIDE and MAWTS-1 EA-6B courseware.

Crew. FRP (not evaluated)/FRECMO/FRS IP or IE (console).

FFAM-1552 2.0 * RE, MRE D E A 1 EA-6B

Goal. Introduce FRECMO to the normal flight envelope of the EA-6B.

Requirements.
Introduce:
Radar navigation.

Perform:
Unusual Attitude recoveries.
Approach-to-Stall series.
Performance maneuvers.
Confidence maneuvers.
Aerobatics.
Approaches.
Normal GCA.
No flap/no slat approach.
Simulated single engine approach.
VFR pattern work.

Performance Standards.
Discuss and safely execute all listed requirements.

Crew. FRS IP/FRECMO.

External Syllabus Support. Special Use Airspace.

FFAM-1555 2.0 * RE, MRE N* E A 1 EA-6B

Goal. Introduce FRECMO to night operation of the EA-6B. Review operation of the APS-130 radar.

Requirements.
Discuss:
Radar navigation and other radar features.

Introduce:
Night ground procedures.
Night instrument procedures.
Use of the radar as the primary navigation reference.
the night VFR pattern.

Perform:
Approaches at enroute airfields.
Approaches at home airfield.

Performance Standards.
Discuss and safely execute all listed requirements.

Crew. FRS IP/FRECMO.

FNAV-1559 2.0 * RE, MRE D E A 1 EA-6B

Goal. Introduce FRECMO to visual low-level navigation. Review aerobatics.

Requirements.
Prepare:
MTR strip chart with route card.

Introduce:

The terms: comfort level, terminate and climb to cope.
Low-level navigation using timing and visual references.
G-warm and FOD check prior to route entry.

Perform:
Visual navigation on an approved MTR IAW LAA syllabus.
Unusual attitude recoveries.
Approach to Stall series.
Aerobatics.

Performance Standards.
Discuss and safely execute all listed requirements.
Navigate within route structure.
Recognize timing errors and apply proper corrections.

Crew. FRS IP/FRECMO.

External Syllabus Support. Approved MTR, Special Use Airspace.

FFAM-1563 1.5 * RE D E A 1 EA-6B

Goal. Introduce maneuvers designed to familiarize the FRECMO with the flight characteristics and maneuvering capabilities of the EA-6B.

Requirements.
Discuss:
EA-6B flight characteristics, maneuvering capabilities and flight maneuvers.

Introduce:
Acceleration demonstrations at 1 G and < 1 G.
1 G Approach-to-Stall and recovery.
2 G Approach-to-Stall and recovery.
Rolling G/Stab Aug demo.
Break and Hard turns at 10,000 ft. MSL.
Nose High Unusual Attitude and recovery.
Break and Hard turns at 20,000 ft. MSL.
Nose Low Unusual Attitude and recovery.
Dynamic Zoom / Transient Wing Drop.
Slice Turn.
Aerobatics:
Flaperon Roll.
Wingover.
Barrel Roll.
Overhead Maneuvers:
Loop.
1/2 Cuban Eight.
Immelmann.
Split S.

Review:
Departures/Spins.

Performance Standards.
Correctly discuss all maneuver set ups.
Properly recover from all Unusual Attitudes and Spins.
Properly perform all maneuvers IAW NATOPS, MANEUVERS GUIDE and MAWTS-1 EA-6B courseware.

Crew. FRS IP/FRECMO.

External Syllabus Support. Special Use Airspace.

FREQ-1565 2.0 * RE, MRE (N) E A 1 EA-6B

Goal. Standardization check.

Requirements.
Review:
All normal procedures IAW NATOPS, SOP and applicable orders and directives.

Brief:
All applicable maneuvers and procedures IAW NATOPS, MANEUVERS GUIDE and MAWTS-1 EA-6B courseware.

Performance Standards.
Flight conforms to published standards.

Crew. NATOPSI (FRS IP)/FRECMO.

External Syllabus Support. Approved MTR, Special Use Airspace.

2.9 CORE SKILL PHASE (2000)

2.9.1 General

2.9.1.1 This phase contains basic Core Skill training essential to wartime employment of the EA-6B. This phase should move an individual from basic understanding of Core Skills to proficiency in basic Core Skills. Individuals should normally complete this phase of training within the first year of assignment to a squadron. Units will normally train aircrews through this phase prior to overseas assignment.

2.9.1.2 Core Skill Stages

Par No.	Stage Name
2.9.2	Academics
2.9.3	Familiarization/Navigation (FAM/NAV)
2.9.4	Formation (FORM)
2.9.5	Night Systems (NS)
2.9.6	Air Refueling (AR)
2.9.7	Electronic Warfare Support (ES)
2.9.8	Electronic Attack (EA)
2.9.9	Threat Reaction (TRXN)

2.9.2 Academics Stage. To provide aircrew with the appropriate ground training necessary for the Core Skills Phase.

AFAM-2000 1.5 * B * * * Lec

Description. EA-6B Low Altitude Navigation.

AFAM-2001 1.5 * B * * * Lec

Description. EA-6B Aerodynamics.

AFAM-2002	1.5	*	B	*	*	*	Lec

Description. EA-6B Basic Aircraft Maneuvers.

AFAM-2003	0.5	*	B	*	*	*	Chalk Talk

Description. VMAQ Ops In-Brief.

AFAM-2004	0.5	*	B	*	*	*	Chalk Talk

Description. VMAQ DSS In-Brief.

AFAM-2005	0.5	*	B	*	*	*	Chalk Talk

Description. Local Course Rules Brief.

AFAM-2006	0.5	*	B	*	*	*	Chalk Talk

Description. EA-6B Radar Use.

AFORM-2010	1.0	*	B	*	*	*	Lec

Description. EA-6B Section Formation.

AFORM-2011	1.0	*	B	*	*	*	Lec

Description. EA-6B Division Formation.

ANS-2020	4.0	*	B	*	*	*	Lec

Description. NITE Lab.

ANS-2021	1.5	*	B	*	*	*	Lec

Description. NVD Use Lecture.

ANS-2022	0.5	*	B	*	*	*	Chalk Talk

Description. SLAP Software.

ANS-2023	0.5	*	B	*	E	*	Exam

Description. NSQ Open Book Test.

Prerequisite. ANS-2020, ANS-2021, ANS-2022.

AAR-2030	1.0	*	B	*	*	*	Lec

Description. EA-6B Aerial Refueling.

AAR-2031	0.5	*	B	*	*	*	Chalk Talk

Description. Specific Tanker Procedures.

AES-2040	1.5	*	B	*	*	*	Lec

Description. EA-6B ICAP III ES Tactics.

AES-2041	1.0	*	B	*	*	*	Lec

Description. EA-6B MATT/IDM Fundamentals.

AES-2042	1.0	*	B	*	*	*	Lec

Description. EA-6B LINK-16 Fundamentals.

AES-2043	1.0	*	B	*	*	*	Lec

Description. EA-6B LINK-16 Planning and Tactical Employment.

AEA-2050	1.0	*	B	*	*	*	Lec

Description. EA-6B ICAP III EA Tactics.

AEA-2051	1.0	*	B	*	*	*	Lec

Description. EA-6B USQ-113 Fundamentals.

AEA-2052	1.5	*	B	*	*	*	Lec

Description. EA-6B HARM Fundamentals I.

AEA-2053	1.0	*	B	*	*	*	Lec

Description. EA-6B HARM Fundamentals II.

Prerequisite. AEA-2052.

AEA-2054	1.0	*	B	*	*	*	Lec

Description. EA-6B HARM Fundamentals III.

Prerequisite. AEA-2053.

AEA-2055	1.0	*	B	*	*	*	Lec

Description. EA-6B HARM Targeting and Deconfliction.

Prerequisite. AEA-2054.

ATRXN-2060	1.0	*	B	*	*	*	Lec

Description. EA-6B Aircraft Performance.

ATRXN-2061 1.0 * B * * * Lec

Description. EA-6B Aircraft Survivability Equipment.

ATRXN-2062 1.0 * B * * * Lec

Description. EA-6B ALE-47.

ATRXN-2063 1.0 * B * * * Lec

Description. EA-6B Threat Reaction.

2.9.3 Familiarization (FAM)

2.9.3.1 Purpose. Develop proficiency for Pilot and ECMO 1 in familiarization and navigation skills.

2.9.3.2 General. Emphasize crew coordination, emergency procedures, local course rules, aircraft performance characteristics, and navigation skills. The proficient Pilot or ECMO 1 shall evaluate the other front-seat aircrew under instruction.

2.9.3.3 Crew Requirements. Training codes apply only to Pilot and ECMO 1. Other crew positions may be manned and conduct other training as required.

2.9.3.4 Academic Training. Per local SOP. This normally includes, but is not limited to local course rules, standard operating procedures, etc. Additionally, complete applicable academic courseware as outlined in the Academics Stage.

SFAM-2100 1.0 90 B,R,M (N) * S FS

Goal. Maintain Pilot/ECMO proficiency in dealing with ground, takeoff, in-flight, and landing emergencies.

Requirements.
Discuss:
Emergency procedures.

Introduce:
Ground emergencies.
Takeoff emergencies.
In-flight emergencies.
Landing emergencies.
Spin recovery procedures.
Out of control flight procedures.

Performance Standards. Accurately respond to all emergencies presented. The Pilot/ECMO 1 should switch positions, time permitting.

Crew. Pilot/ECMO 1.

SFAM-2101 2.0 * B (N) * S FS

Goal. Maintain Pilot/ECMO 1 proficiency in day instruments, radar, and navigation systems. Be able to identify and effectively deal with navigation system failures. Expose the Pilot/ECMO 1 to local course rules and squadron operating procedures.

Requirements.
Discuss:
Instruments, radar, and navigation systems.

Introduce:
DD-175 and route card.
Local course rules and standard operating procedures.

At least one precision and one non-precision approach to a local airfield.
One simulated single engine and one no flap/no slat approach to landing.

Performance Standards. IAW NATOPS, local course rules, and local SOP.

Crew. Pilot/ECMO 1.

Prerequisite. AFAM-2003, 2004, 2005

FAM-2102 2.0 365 B,R,M (N) * A 1 EA-6B

Goal. Maintain Pilot/ECMO 1 proficiency in instrument, radar, and navigation systems. Expose the pilot/ECMO 1 to local course rules and squadron operating procedures.

Requirements.
Discuss:
Instruments, radar, and navigation systems.
DD-175 and route card.

Introduce:
Local course rules and standard operating procedures.
At least one precision and one non-precision approach to a local airfield.
One simulated single engine and one no flap/no slat approach to landing.

Performance Standards. IAW NATOPS, local course rules, and local SOP.

Crew. Pilot/ECMO 1.

Prerequisites. SFAM-2100, SFAM-2101.

External Support. Special Use Airspace.

FAM-2103 2.0 365 B,R,M (N) * A 1 EA-6B

Goal. Maintain Pilot/ECMO 1 proficiency in radar navigation and radar system integration.

Requirements.
Discuss:
Radar navigation and other radar techniques.

Introduce:
Use of the radar as the primary navigation reference on a suitable route.
Use of the radar for weather avoidance, if applicable.

Performance Standards.
Recognize terrain features, cultural returns, and weather if applicable.
Successfully navigate using at least three radar significant points.

Crew. Pilot/ECMO 1.

Prerequisites. AFAM-2006, FAM-2102.

External Support. Approved MTR.

FAM-2104 2.0 180 B,R,M (NS) * A 1 EA-6B

Goal. Maintain Pilot/ECMO 1 proficiency in visual low-level navigation.

Requirements.
Discuss:
Low altitude visual navigation and tactics.
Prepare MTR strip chart with route card.
Performed on a suitable MTR no lower than 500 feet AGL.

Introduce:
G-warm and FOD check prior to route entry.
Low-level navigation using timing and visual references over at least three legs of the MTR.
Comfort level, terminate, and climb to cope.
Tactical maneuver in the low-level environment.

Performance Standards.
Current chummed chart with correct route card.
Navigate within route structure.
Recognize timing errors and apply proper corrections.
Demonstrate safe, standard low-level navigation procedures.

Crew. Pilot/ECMO 1.

Prerequisites. AFAM-2000, FAM-2102.

External Support. Approved MTR.

SFAM-2105 1.0 * B (N) * S FS

Goal. Introduce the Pilot and ECMO 1 to the flight characteristics and maneuvering capabilities of the EA-6B.

Requirements.
Discuss:
EA-6B flight characteristics, maneuvering capabilities, and FAM 2105/2106 flight maneuvers.

Introduce:
Acceleration Demonstrations at 1 G and < 1 G.
1 G Approach-to-Stall and Recovery.
2 G Approach-to-Accelerated Stall and Recovery.
Rolling G/Stab Aug Demo.
Break and Hard Turns at 10,000 ft. MSL.

Nose High Unusual Attitude and Recovery.
Break and Hard Turns at 20,000 ft. MSL.
Nose Low Unusual Attitude and Recovery.
Dynamic Zoom / Transient Wing Drop.
Slice Turn.
Flaperon Roll.
Wingover.
Barrel Roll.
Overhead Maneuvers:
Loop.
1/2 Cuban Eight.
Immelmann.
Split S.
Introduce departures/out-of-control flight/spins. ECMOs shall fly the simulator for three departures/out-of-control/spins maneuvers.

Performance Standards. Properly perform all maneuvers IAW NATOPS and applicable MAWTS-1 EA-6B courseware.

Crew. Pilot/ECMO 1.

Prerequisites. AFAM-2001/2002

FAM-2106 1.5 365 B,R,M (NS) * A 1 EA-6B

Goal. Introduce/review maneuvers designed to familiarize the Pilot/ECMO 1 with flight characteristics and maneuvering capabilities of the EA-6B.

Requirements. Asterisked items are optional to complete the event.

Discuss:
EA-6B flight characteristics, maneuvering capabilities, and FAM 2105/2106 flight maneuvers.

Introduce:
Acceleration Demonstrations at 1 G and < 1 G.
1 G Approach-to-Stall and Recovery.
2 G Approach-to-Accelerated Stall and Recovery.
* Rolling G/Stab Aug Demo.
Break and Hard Turns at 10,000 ft. MSL.
Nose High Unusual Attitude and Recovery.
Break and Hard Turns at 20,000 ft. MSL.
Nose Low Unusual Attitude and Recovery.
* Dynamic Zoom/Transient Wing Drop.
Slice Turn.
Confidence Maneuvers:
Flaperon Roll.
Wingover.
Barrel Roll.
*Overhead Maneuvers:
*Loop.
*1/2 Cuban Eight.
*Immelmann.
*Split S.

Performance Standards. Perform all maneuvers IAW NATOPS and applicable MAWTS-1 EA-6B courseware.

Crew. Pilot/ECMO 1.

Prerequisites. FAM-2102 and SFAM-2105.

External Support. Special Use Airspace.

2.9.4 Formation (FORM)

2.9.4.1 Purpose. Develop proficiency for pilot and ECMO 1 in section formation skills.

2.9.4.2 General. Emphasize crew coordination, flight leadership, and safe formation procedures. The Section Lead evaluates all other aircrew under instruction.

2.9.4.3 Crew Requirements. Training codes apply only to pilot and ECMO 1. Other crew positions may be manned and conduct other training as required.

2.9.4.4 Academic Training. Per NATOPS, local SOP, and applicable MAWTS-1 courseware.

FORM-2200 2.0 * B (N) * A 2 EA-6B

Goal. Maintain proficiency in basic section procedures and maneuvers.

Requirements.
Discuss:
Formation terms, visual signals, and definitions.

Introduce:
Interval or section go takeoff and rendezvous.
Parade, Cruise, Fighter Wing, Deployed Echelon, Combat Spread.
Lead changes.
1 NATOPS TACAN rendezvous for each aircraft.
2 NATOPS Break-up and rendezvous for each aircraft - one left, one right.
Under Run.
Section approach to low approach/touch and go.
Section approach to section wave-off.

Performance Standards.
Know formation terms, hand signals, and definitions.
Perform all maneuvers per NATOPS, local SOP, and applicable MAWTS-1 courseware.

Crew. Pilot/ECMO 1.

Prerequisites. AFORM-2010, FAM-2102

External Support. Special Use Airspace.

FORM-2201 2.0 180 B,R,M D * A 2 EA-6B

Goal. Maintain proficiency in section tactical navigation, tactical turns, and mutual support.

Requirements.
Discuss:

Standard tactical formations, maneuvering, and tactics.

Introduce:
Interval or section go takeoff and rendezvous.
Section combat checks, G warm-up, and FOD check.
Called and uncalled tactical turns in combat spread above 5,000 feet AGL.
NAV turn into/away.
TAC turn into/away.
Shackle turn.
Cross turn.
In-place turn into/away.

Lead change and repeat combat spread tactical turns.
Fighter Wing and Deployed Echelon maneuvering above 5,000 feet AGL.
Lead change and repeat Fighter Wing and Deployed Echelon maneuvering.
Perform at least one NATOPS/unit SOP section approach/missed approach procedure.
Unit SOP section landing recommended.

Performance Standards.
Know standard tactical formations, maneuvering, and tactics.
Perform all maneuvers IAW NATOPS, local SOP, and applicable MAWTS-1 courseware.

Crew. Pilot/ECMO 1.

Prerequisites. FORM-2200.

External Support. Special Use Airspace.

FORM-2202 2.0 180 B,R,M (NS) * A 2 EA-6B

Goal. Maintain proficiency in section tactical navigation, tactical turns, and mutual support no lower than 500 feet AGL (day).

Requirements.
Discuss:
Standard tactical formations, maneuvering, and tactics at low altitude.

Review:
Section takeoff or interval takeoff and rendezvous.
Section combat checks and G warm-up.
Section FOD Check.
Section low altitude tactical navigation, tactical maneuvering, and mutual support in combat spread, fighter wing or deployed echelon.
Tactical section maneuvering and navigation at low altitude (no lower than 500’ AGL) on an appropriate MTR or training route.
Lead change and repeat combat spread tactical turns.
Perform at least one NATOPS/unit SOP section approach/missed approach procedure.
Unit SOP section landing recommended (day only).
The following are recommended if flown during the day:
Called and uncalled tactical turns in combat spread.
NAV turn into/away.

TAC turn into/away.
Shackle turn.

Performance Standards.
A pilot's initial FORM-2202 shall be flown as wing only. During follow-on flights, lead may be exchanged during the low altitude portion.
Know standard low altitude tactical formations, maneuvering, and tactics.
Perform all maneuvers IAW NATOPS, local SOP, and applicable MAWTS-1 courseware.

Crew. Pilot/ECMO 1.

Prerequisites. FORM-2201.

External Support. Approved MTR.

2.9.5 Night Systems (NS)

2.9.5.1 Purpose. To qualify aircrew in the use of Night Vision Devices (NVDs) in the EA-6B aircraft.

2.9.5.2 General. NS training sorties introduce and familiarize EA-6B aircrew with capabilities and limitations of NVDs in the aircraft. The designated NSI evaluates all other aircrew under instruction.

(1) A designated NSI pilot or ECMO 1 shall be crewed with non-NS qualified front seat aircrew.

(2) In formation, if any of the front seat aircrew are not NS qualified, a Division/Section Lead NSI pilot is required in the lead aircraft.

(3) Only the pilot and ECMO 1 are required to be NSQ for all NS or NS optional events. Non-NSQ EA-6B aircrew who complete the prescribed NVD ground training may wear NVDs in the helmet-mounted mode in either ECMO 2 or ECMO 3 positions during any night sortie.

(4) Upon completion of the NS-2300, NS-2301, and NS-2302 under the supervision of a designated NSI, aircrew may be issued a Night Systems Qualified (NSQ) letter. If aircrew lose proficiency in all NS events, the NS qualification is lost and may be regained by completing NS-2300 with an NSI.

(5) If all front seat aircrew in a flight are NSQ, an NSI is not required and any night or night optional event in the T&R can be flown with the aid of NVDs.

(6) Comply with the current NAVAIR altitude restriction of no lower than 1000 feet AGL on NVGs except during takeoff and approaches/landings.

2.9.5.3 Crew Requirements. The NS-2301 shall be flown only in the front seat. ECMOs may fly NS-2300, and NS-2302, in any seat. Other crew positions may be manned as required.

2.9.5.4 Academic Training. Night Imaging and Threat Evaluation (NITE) lab syllabus and applicable academic courseware as outlined in the EA-6B chapter of the MAWTS-1 course catalog.

NS-2300	2.0	180	B,R,M	NS	*	A	1 EA-6B

Goal. Introduce high altitude (5000' AGL and above) flight with NVDs in the EA-6B. Practice all NVD principles and concepts.

Requirements.

Discuss:
- NVD use in the EA-6B.
- Recognition of NVD malfunctions.

Introduce:
- NVDs to prospective NSQ pilot/ECMOs.
- In-flight NVD donning/doffing/stowing procedures.

Demonstrate:
- Limited NVD Field-of-View (FOV) and practice NVD scan pattern with instrument crosschecks.
- Maneuvering appropriate to EA tracks with consideration given to NVD capabilities and limitations. Prospective NSQ aircrew shall practice hard turns and scan techniques.

Practice:
- Removal and storage of NVDs during both normal operations and one simulated emergency.
- Crew coordination procedures while on NVDs.

Performance Standards. Perform all tasks and maneuvers per MAWTS-1 9th Ed. NVD Use Manual and applicable MAWTS-1 EA-6B courseware.

Crew. Pilot/ECMO 1 NSI and Pilot/ECMO 1/2/3 under instruction.

Prerequisites. FAM-2102, ANS-2023.

External Support. Special Use Airspace.

NS-2301	2.0	*	B	NS	*	A	EA-6B

Goal. Introduce/review use of NVDs in a low altitude, tactical scenario.

Requirements.

Discuss:
- NVD use in low altitude navigation and tactics.

Introduce:
- NVD compatible MTR strip chart with route card.
- SLAP for light level planning.
- Perform on a suitable MTR or other approved training route (NLT 1,000' AGL).
- G-warm and FOD check prior to route entry.
- Low-level navigation using timing and visual references over at least three legs of the MTR or training route.
- Comfort level, terminate, and climb to cope.
- Tactical maneuver in the low-level environment.

Low altitude tactical mission tasking.

Performance Standards.
Current chummed chart with correct route card.
Navigate within route structure.
Recognize timing errors and apply proper corrections.
Demonstrate safe, standard low-level navigation procedures.
Meet pre-briefed TOT/JOT/HARM launch time within +/- 10 seconds.

Crew. Pilot/ECMO 1 NSI and Pilot/ECMO 1 under instruction.

Prerequisite. FAM-2104 and NS-2300.

External Support. Approved MTR.

NS-2302 2.0 * B NS * A 2 EA-6B

Goal. Introduce formation flying with the aid of NVDs. This is the Pilot/ECMO NS Qualification sortie.

Requirements.
Discuss
NVD use in formation flight and low altitude navigation.

Introduce:
Goggle admin formation(s) enroute and in the working area.
Tactical section maneuvering per MAWTS-1 courseware and NS Guide above 5,000' AGL.
Interval takeoff and rendezvous.
Parade, Cruise, Fighter Wing, and Deployed Echelon formations.
Lead Changes.
1 NATOPS TACAN rendezvous for each aircraft.
2 NATOPS Break-up and rendezvous for each aircraft - one left, one right.
G-warm, Fighter Wing, and Deployed Echelon maneuvering above 5000 feet AGL.
Lead change and repeat Fighter Wing and Deployed Echelon maneuvering.
Tactical section maneuvering and navigation at low altitude (NLT 1,000' AGL) on an appropriate MTR or other approved training route.
Fighter Wing and Deployed Echelon
Various combinations of external light options and range cues.

Performance Standards.
Maintains sight of lead.
Conducts safe rendezvous.
Performs proper tactical section maneuvering.

Crew. Pilot/ECMO 1 NSI and Pilot/ECMO 1/2/3 under instruction.

Prerequisite. NS-2301, FORM-2202 for Pilot and ECMO 1 only.

External Support. Special Use Airspace and approved MTR.

2.9.6 Aerial Refueling (AR)

2.9.6.1 Purpose. To introduce the pilot and ECMO 1 to aerial refueling

procedures.

2.9.6.2 General. Any aerial refueling aircraft may be used. The proficient pilot or ECMO 1 shall evaluate the other front-seat aircrew under instruction.

2.9.6.3 Crew Requirements. Training codes apply only to pilot and ECMO 1. Other crew positions may be manned as required.

2.9.6.4 Academic Training. Applicable academic courseware as outlined in the EA-6B chapter of the MAWTS-1 course catalog.

AR-2400	1.0	180	B,R	D	*	A	1 EA-6B

Goal. Introduce/practice the techniques/procedures for high altitude day tanking.

Requirements. May be flown in conjunction with any other scheduled mission.

Discuss:
Air refueling in the EA-6B.

Complete:
At least 4 plugs (wet or dry) for initial events.
At least 1 plug to maintain/regain proficiency.

Performance Standards.
Proper communications procedures.
Proper tanker rendezvous.
Proper aerial refueling procedures/techniques.
Proper departure from tanker.

Crew. Pilot/ECMO 1.

Prerequisites. AAR-2030/2031, FAM-2102.

External Support. Aerial refueling platform and Special Use Airspace.

AR-2401	1.0	180	B,R,M	N	*	A	1 EA-6B

Goal. Introduce/practice the techniques/procedures for high altitude night tanking.

Requirements. May be flown in conjunction with any other scheduled mission.

Discuss:
Night air refueling considerations.

Complete:
4 plugs (wet or dry) for initial events.
1 plug to maintain/regain proficiency.

Performance Standards.
Proper communications procedures.
Proper tanker rendezvous.
Proper aerial refueling procedures/techniques.
Proper departure from tanker.

Crew. Pilot/ECMO 1.

Prerequisites. AR-2400.

External Support. Aerial refueling platform and Special Use Airspace.

2.9.7 Electronic Warfare Support (ES)

2.9.7.1 Purpose. To introduce/review ES equipment, tactics, techniques, and procedures.

2.9.7.2 General. This stage is designed to increase the signal recognition and identification proficiency in a dense electromagnetic environment. Flight events should be flown against an EW range with real world signals. To the greatest extent possible, these events should include an S-2 intelligence scenario, brief, and debrief and TCAC brief and debrief. The Mission Commander shall evaluate all aircrew under instruction.

2.9.7.3 Crew Requirements. As described in each event description.

2.9.7.4 Academic Training. Applicable academic courseware as outlined in the EA-6B chapter of the MAWTS-1 course catalog.

SES-2500	2.0	*	B	(N)	*	S	FS/BS

Goal. Maintain proficiency in EA-6B TJSR equipment and software.

Requirements.

Discuss:

TJSR equipment, capabilities, and limitations.

Review:

TJSR software basics.

Performance Standards. Demonstrate proper knowledge of TJSR.

Crew. ECMO 1/2/3. Pilots shall complete in ECMO crew position.

Prerequisites. AES-2040.

SES-2501	2.0	545	B,R,M	(N)	*	S	FS/BS

Goal. Increase signal recognition capabilities in a dense electromagnetic environment.

Requirements.

Discuss:

Signal recognition in a dense EM environment.
Coordination with National Assets.

Introduce/Demonstrate:

Build a JMPS mission.
Prioritize, detect, identify, localize, and record signals of interest in a dense signal environment.
Coordinate navigation track for ES optimization.
Properly initialize the TJSR.
Maintain ES logs, focusing on SOI.
Correctly reference ETIRMS for SOI characteristics.
Review ambiguity resolution.

Performance Standards. Accurately identify multiple signals by band in a dense electromagnetic environment.

Crew. ECMO 1/2/3. Pilots shall complete in ECMO crew position.

Prerequisites. SES-2500.

ES-2502 2.0 365 B,R,M (ECMO)(N) * A 1 EA-6B

Goal. Maintain proficiency in EA-6B TJSR equipment and software.

Requirements.
Discuss:
TJSR equipment, capabilities, and limitations.

Review:
TJSR software basics.

Performance Standards. Demonstrate proper knowledge of TJSR.

Crew. ECMO 1/2/3. Pilots shall complete in ECMO crew position

Prerequisites. SES-2501.

External Support. EW Range.

SES-2503 1.0 */365 B (PILOT) B,R,M(ECMO)(N) * S/A/T FS/BS

Goal. Introduce/Review MATT/IDM procedures.

Requirements.
Discuss:
MATT/IDM equipment, capabilities, and limitations.

Introduce:
Initialize system
Create filters based on SOI.
Manage real-world information if available.

Performance Standards. Demonstrate proper knowledge of MATT/IDM.

Crew. ECMO 1/2/3. Pilots shall complete in ECMO crew position.

Prerequisites. AES-2041.

External Support. EW Range.

SES-2504 1.0 545/365 B,R,M (N) * S/A/T FS/BS

Goal. Introduce/Review Link-16 procedures.

Requirements.
Discuss:
Link-16/MIDS equipment, capabilities, and limitations.

Introduce:
Initialize system.
Create and modify filters and declutter settings.
Introduce J-series message information and utilization.
Introduce sending and correlating J-series messages.

Performance Standards. Demonstrate proper knowledge of Link-16.

Crew. ECMO 1/2/3. Pilots shall complete in ECMO crew position.

Prerequisites. AES-2042 and AES-2043.

External Support. Link-16 Network.

2.9.8 Electronic Attack (EA)

2.9.8.1 Purpose. To introduce/review EA equipment, tactics, techniques, and procedures.

2.9.8.2 General. This stage is designed to increase weapons systems proficiency in electronic attack. Flight events should be flown against an EW range with real world signals. Where available, the EW Range Operator shall provide in-flight and/or post-flight feedback and measures of effectiveness to the mission aircrew. To the greatest extent possible, these events should include an S-2 intelligence scenario, brief, and debrief and TCAC brief and debrief. The Mission Commander shall evaluate all aircrew under instruction.

2.9.8.3 Crew Requirements. As described in each event description.

2.9.8.4 Academic Training. Applicable academic courseware as outlined in the EA-6B chapter of the MAWTS-1 course catalog.

SEA-2600 2.0 * B (N) * S FS/BS

Goal. Review TJS operations versus radar targets.

Requirements.
Discuss:
TJS equipment, limits, and capabilities.
Radar characteristics, jamming fundamentals, advanced jamming techniques, and degraded operations.

Review:
Building a JMPS mission.
Preemptive, alarm, display, responsive assignments versus radar targets in all bands.

Performance Standards.
Successfully builds and loads JMPS mission.
Properly makes preemptive, alarm, display, and responsive assignments to cover radar targets.
Properly recognizes and reacts to degraded systems.

Crew. ECMO 1/2/3. Pilot shall complete in an ECMO position.

Prerequisite. AEA-2050.

SEA-2601 2.0 * B (N) * S FS/BS

Goal. Introduce/review TJS operations versus communications and other targets.

Requirements.

Discuss:
Communication systems characteristics, communications jamming fundamentals, advanced jamming techniques, and degraded operations.
TJS limits and capabilities versus communications.

Introduce/Review:
Building a JMPS mission.

Preemptive, responsive, and display assignments versus communications and other systems.

Performance Standards.
Successfully builds and loads JMPS mission.
Properly makes preemptive, responsive, and display assignments to cover communications and other targets.
Properly recognizes and reacts to degraded systems.

Crew. ECMO 1/2/3. Pilot shall complete in an ECMO position.

Prerequisite. AEA-2050.

EA-2602 2.0 365(ECMO) B,R,M (N) * A 1 EA-6B

Goal. Review TJS basic operations versus radar, communications, and other targets.

Requirements.
Discuss:
TJS limits and capabilities.
Radar and communication characteristics, jamming fundamentals, and degraded operations.

Review:
Building a JMPS mission.
Preemptive, alarm, display, responsive assignments versus radars, communications, and other targets.

Performance Standards.
Successfully builds and loads JMPS mission.
Properly makes preemptive, alarm, display, and responsive assignments to cover radar and communications targets.
Properly recognizes and reacts to degraded systems.

Crew. ECMO 1/2/3.

Prerequisites. SEA-2600/2601.

External Support. EW Range.

SEA-2603 2.0 545/365 B,R,M (N) * S/A/T FS/BS

Goal. Introduce USQ-113 equipment, tactics, techniques, and procedures.

Requirements.
Discuss:
USQ-113 equipment, capabilities, and limitations against communications and other targets.

Introduce/Review:
Build configuration file on ETIRMS.
Transfer configuration file to USQ-113 system.
Configuration file loading and mission setup.
All USQ-113 menus and functions.

Performance Standards. Successfully load configuration file and operate all menus and functions.

Crew. ECMO 1/2/3. Pilot shall complete in an ECMO position.

Prerequisite. AEA-2051.

EA-2604 1.0 365(ECMO) B,R,M (N) * A 1 EA-6B

Goal. Review USQ-113 equipment, tactics, techniques, and procedures.

Requirements.
Discuss:
USQ-113 equipment, capabilities, and limitations against communications and other targets.

Review:
Build configuration file on ETIRMS.
Transfer configuration file to PCMCIA card, USQ-113 E-Board and CIOCP.
Review configuration file loading and mission setup.
Review all USQ-113 menus and functions.

Performance Standards.
Successfully load configuration file and operate all menus and functions.
Successfully jam real world signals.

Crew. ECMO 1/2/3.

Prerequisites. SEA-2603.

External Support. EW Range.

SEA-2605 1.0 * B (N) * S FS

Goal. Review Pilot and ECMO 1 HARM employment tactics, techniques, and procedures.

Requirements.
Discuss:
HARM employment, terminology, and striker area tactics.

Review:
Build a JMPS mission to include route and timing requirements.
Multiple HARM launches utilizing all modes (PB, RK, RU).
Proper crew coordination with respect to pre- and post-launch responsibilities.
HARM shot card.
HARM ABL procedures.
Employ missile with various system malfunctions.
Abort codes.
Local hung ordnance approach procedures.
Correlate HARM and TJSR information.

Performance Standards.
Properly launch HARM using the TJSR, HCP, and CDNU.
HARM launch within 10 seconds of planned launch time and within 3 nm of planned launch point.
HARM impact on target within 10 seconds of planned impact time.
Properly complete accurate post-launch HARM shot card.

Crew. Pilot/ECMO 1.

Prerequisite. AEA-2055.

SEA-2606 1.0 *(ECMO) B (N) * S FS/BS

Goal. Review ECMO 2 and 3 HARM employment tactics, techniques, and procedures.

Requirements.
Discuss:
HARM employment, terminology, and striker target area tactics.

Review:
Build a JMPS mission to include route and timing requirements.
Multiple HARM launches utilizing all modes (PB, RK, RU).
Target packages using Target Hook, Emitter Hook, library, OP Create, and ELINT modifications.
Crew coordination with respect to pre- and post-launch responsibilities.
HARM shot card.
HARM ABL procedures.
Employ missile with various system malfunctions.
Abort codes.
Correlate HARM and TJSR information.

Performance Standards.
Properly create DAs as per requirements.
HARM launch within 10 seconds of planned launch time.
HARM impact on target within 10 seconds of planned impact time.
Properly complete accurate post-launch HARM shot card.

Crew. ECMO 2/3.

Prerequisite. AEA-2055.

EA-2607 1.0 180 B,R,M (N) * A 1 EA-6B

Goal. Review HARM employment procedures for Pilot and ECMO 1.

Requirements.
Discuss:
HARM employment, terminology, and striker target area tactics.

Review:
Building a JMPS mission to include route and timing requirements.
Multiple HARM launches utilizing all modes (PB, RK, RU).
Proper crew coordination with respect to pre- and post-launch responsibilities.
HARM shot card.

HARM ABL procedures.
Employ missile with various system malfunctions.
Abort codes.
Local hung ordnance approach procedures.
Correlate HARM and TJSR information.

Performance Standards.
Properly launch simulated HARM using the TJSR, HCP, and CDNU.
Simulated HARM launch within 10 seconds of planned launch time and within 3 nm of planned launch point.
Simulated HARM impact on target within 10 seconds of planned impact time.
Properly complete accurate post-launch HARM shot card.

Crew. Pilot/ECMO 1.

Prerequisites. SEA-2605.

Ordnance. CATM-88.

External Support. EW Range.

EA-2608 1.0 365(ECMO) B,R,M (N) * A 1 EA-6B

Goal. Review HARM employment procedures for ECMO 1/2/3.

Requirements.
Discuss:
HARM employment, terminology, and striker area tactics.

Review:
Building a JMPS mission to include route and timing requirements.
Multiple HARM launches utilizing all modes (PB, RK, RU).
Developing target packages using Target Hook, Emitter Hook, library, OP Create, and ELINT modifications.
Crew coordination with respect to pre- and post-launch responsibilities.
HARM shot card.
HARM ABL procedures.
Employ missile with various system malfunctions.
Abort codes.
Correlate HARM and TJSR information.

Performance Standards.
Properly create DAs as per requirements.
Simulated HARM launch within 10 seconds of planned launch time.
Simulated HARM impact on target within 10 seconds of planned impact time.
Properly complete accurate post-launch HARM shot card.

Crew. ECMO 1/2/3.

Prerequisites. SEA-2606.

Ordnance. CATM-88.

2.9.9 Threat Reaction (TRXN)

2.9.9.1 Purpose. Introduce EA-6B threat reaction tactics for Surface-To-Air missiles (SAM), Air Defense Artillery (ADA), and Air-To-Air missiles (AAM).

2.9.9.2 General. Emphasis should be placed on crew coordination, aircraft performance characteristics, and threat reaction skills. The DEFTACI or WTI shall evaluate aircrew under instruction.

2.9.9.3 Crew Requirements. A MAWTS-1 certified and squadron designated DEFTACI or WTI pilot or ECMO 1 shall be in the front seat for the initial STRXN-2700 and TRXN-2701 events only. STRXN-2700 shall be flown in the front seat simulator with a DEFTACI or WTI in the simulator or at the console. ECMOs may fly the TRXN-2701 in any ECMO seat. Initial 2701 for ECMO shall be flown in the front seat.

2.9.9.4 Academic Training. Applicable academic courseware as outlined in the EA-6B chapter of the MAWTS-1 course catalog.

STRXN-2700 1.0 * B (N) * S FS

Goal. Introduce EA-6B threat reaction for SAM, ADA, and AAM.

Requirements. No lower than 500 ft AGL.
Discuss:
EA-6B threat reaction to SAM, ADA, and AAM.

Introduce:
Hard and Break turns NLT 500’ AGL.
Dive Recovery Rules:
50% Rule.
Dive Recovery Rules.
Small Descent ROT.
10 degree Rule.
SAM threat reaction maneuvers.
ADA threat reaction maneuvers.
AAM threat reaction maneuvers.
Threat reaction communications and expendables use.

Performance Standards. Perform all maneuvers per applicable MAWTS-1 EA-6B courseware.

Crew. Pilot/ECMO 1 and DEFTACI or WTI if initial only (at console or in simulator).

Prerequisites. ATRXN-2060/2061/2062/2063, FAM-2106.

Ordnance. Simulate 40 Chaff/20 Flares.

TRXN-2701 1.5 180 B,R,M (NS) * A 1 EA-6B

Goal. Introduce EA-6B threat reaction for SAM, ADA, and AAM.

Requirements. No lower than 500 ft AGL.
Discuss:
EA-6B threat reaction to SAM, ADA, and AAM.

Introduce:

Hard and Break turns NLT 500' AGL.
Dive Recovery Rules:
50% Rule.
Dive Recovery Rules.
Small Descent ROT.
10 degree Rule.
SAM threat reaction maneuvers.
ADA threat reaction maneuvers.
AAM threat reaction maneuvers.
Introduce threat reaction communications and expendables use.

Performance Standards. Perform all maneuvers per applicable MAWTS-1 EA-6B courseware.

Crew. Pilot/ECMO 1/2/3 and DEFTACI or WTI pilot or ECMO 1 if initial only.

Prerequisites. STRXN-2700.

Ordnance. 40 Chaff/20 Flares.

External Support. Special Use Airspace. When able, use smokey SAMs and feedback-capable emitters to measure radar break-lock and expendable effectiveness.

2.10 MISSION SKILL PHASE (3000)

2.10.1 General. This phase contains advanced Core Skill training. This phase should move an individual from proficiency in basic Core Skills to proficiency in more advanced/complex Core Skills. Crews proficient in this phase of training should be capable of planning/leading/directing flights of numerous aircraft in a contingency operation.

2.10.1.2 Mission Skill Phase Stages

Par No.	Stage Name
2.10.2	Academics
2.10.3	Aviation Operations from Expeditionary Shore Based Sites (EXP)
2.10.4	Suppression of Enemy Air Defenses (SEAD)
2.10.5	Aviation Electronic Attack (EA)
2.10.6	Electronic Warfare Support (ES)
2.10.7	Aerial Escort (AE)

2.10.1.3 Currency, proficiency and re-fly intervals for EXP-3100 do not exist. However, the proficiency in this Mission Skill event is a function of its associated Core Skill academic/flight events.

2.10.1.4 SSEAD-3200 through AE-3601 constitute specific flight events.

2.10.1.5 Aircrew shall discuss CRM as applicable for each event.

2.10.1.6 Each Mission Skill T&R code shall be individually logged for each aircrew upon the completion of the respective event (except EXP-3100).

2.10.1.7 Mission Skill T&R codes can be combined in the same flight, and may be flown in any order.

2.10.1.8 Other applicable T&R events can be conducted in conjunction with the performance of a Mission Skill event.

2.10.1.9 A Mission Commander flying within the Mission Skill flight event can complete an initial or refresher aircrew event (SSEAD-3200 through AE-3601). The Mission Commander shall make the final assessment of whether the requirements and performance standards were met for the appropriate Mission Skill event(s).

2.10.1.10 An ATF is required to be completed by the Mission Commander for all initial or refresher (SSEAD-3200 through AE-3601) Mission Skill events, provided the requirements and performance standards were met.

2.10.1.11 Proficiency in SSEAD-3200 through AE-3601 Mission Skill events should be used as tool by the squadron commanding officer to assess his squadron's readiness to perform a specific Mission Skill. Loss of proficiency in these events does not preclude the squadron commanding officer from allowing his squadron aircrew to perform an assigned mission. Additionally, loss of proficiency in these events does not prevent any aircrew from flying on a Mission Skill flight event with another non-proficient aircrew.

2.10.2 Academics Stage. To provide aircrew with the appropriate ground training necessary for the Mission Skills Phase.

ATFS-3000	1.5	*	B	*	*	*	Lec

Description. EA-6B Task Force Support.

ACAS-3010	1.5	*	B	*	*	*	Lec

Description. EA-6B In Support of CAS.

ACAS-3011	1.5	*	B	*	*	*	Lec

Description. Fire Support Coordination Measures.

AAE-3020	1.5	*	B	*	*	*	Lec

Description. EA-6B In Support of SCAR.

AAE-3021	1.5	*	B	*	*	*	Lec

Description. Strike/EW Planning.

2.10.3 Aviation Operations from Expeditionary Shore-Based Sites

2.10.3.1 Purpose. To prepare aircrew for operations from a tactical airfield.

2.10.3.2 General

(1) Attainment of proficiency in Aviation Operations from Shore-Based Sites is not a specific flight event.

(2) Currency and proficiency in specific Core Skill flight and academic events by individual aircrew over a certain threshold constitutes overall squadron currency and/or proficiency in this Mission Skill. If the requisite number of squadron crews attain and maintain currency/proficiency in the identified academic/flight Core Skill events, then the corresponding Mission Skill code will be manually logged for that individual aircrew in M-SHARP. The following table outlines this process:

MISSION SKILL	CORE SKILL CURRENCY/PROFICIENY T&R EVENTS			LOGGED MISSION SKILL CODE
	ACADEMIC EVENTS*	FLIGHT EVENTS*		
EXP	AFAM-2000 TO 2006 AFORM-2010 ANS-2020 TO 2023 AAR-2030 AND 2031	FAM-2100 TO 2106 FORM-2200 TO 2202 NS-2300 TO 2302 AR-2400 AND 2401	=	3100

* Academic events are a one-time event with no refly interval. After Core Skill Completion in the various flight phases, only the R coded events are necessary to maintain proficiency.

2.10.3.3 Crew Requirements. Crew composition for EXP-3100 is in accordance with the specific Core Skill flight events that correspond with the Mission Skill.

2.10.3.4 Academic Training. Applicable academic courseware as outlined in the above table and EA-6B chapter of the MAWTS-1 course catalog.

2.10.4 Suppression of Enemy Air Defenses (SEAD)

2.10.4.1 Purpose. Develop proficiency for aircrew in electronic warfare in support of SEAD missions.

2.10.4.2 General

(1) Emphasize mission analysis, EW planning, crew coordination, and weapon systems integration in support of suppression of enemy air defenses missions. The Mission Commander shall evaluate all other aircrew in the event.

(2) These missions introduce electronic warfare in a SEAD role. The intent is that the Mission Commander and aircrew conduct a thorough mission analysis based on a real-world, exercise, or simulated scenario. The Mission Commander and aircrew determine the EW support required for that mission and use the required weapon systems. All aircrew log the 3200-stage codes for the appropriate EW in support of SEAD event. Additionally, all aircrew log 2000-event ES and EA codes if the applicable weapon systems were employed. Not all event requirements need to be met for the 2000 ES or EA event to be logged if used in a 3200 SEAD mission. For example, if the aircrew employs the TJSR, TJS, HARM, and USQ-113 in support of an SSEAD-3200 simulator, they would also log the appropriate ES and EA 2000 event codes for those weapon systems. 2000 event codes will not be chained automatically by 3200-level SEAD codes, but must be logged

individually on the NAVFLIR. Mission Commanders are responsible for ensuring all appropriate T&R codes are logged on the NAVFLIR.

2.10.4.3 Crew Requirements. A designated Mission Commander is required for all SEAD events. For simulator events, the Mission Commander may be in the simulator or at the console. For flight events, a Mission Commander must be in the aircraft. For formation events, a Mission Commander must be in the formation, not necessarily in each aircraft. SEAD training codes apply to all aircrew regardless of crew position.

2.10.4.4 Academic Training. Applicable academic courseware as outlined in the EA-6B chapter of the MAWTS-1 course catalog.

SSEAD-3200 2.0 * B (N) * S/A FS/BS

Goal. Practice single-ship SEAD techniques in an armed recce environment.

Requirements. Should be flown as an integrated simulator.
Discuss:
SEAD in support of armed recce.
HARM in support of armed recce.

Introduce/Review:
Develop scenario providing friendly and enemy ground order of battle, SAMs/ADA, Fire Support Coordination Measures, etc.
Conduct mission analysis based on given scenario.
Conduct EW targeting in support of given scenario.
Build JMPS mission to include route and mission cards.
Utilize both threat is the target and threat is not the target profiles.
Proper communications procedures.
Execute planned mission based on Mission Commander's guidance.
React to mission developments and pop-up threats.

Performance Standards.
Properly analyze mission.
Properly conduct EW targeting in support of mission.
Properly executed planned mission.
Properly reacted to mission changes and pop-up threats.
Conducted a minimum of 2 attacks against the threat SAM.
Conducted a minimum of 2 attacks against a target not co-located with threat SAM.

Crew. Pilot/ECMO 1/2/3.

Prerequisite. SES-2501, EA-2602, SEA-2603, EA-2607, EA-2608, ACAD-3011, AAE-3020.

SEAD-3201 2.0 365 R (N) * A/S FS/BS

Goal. Practice single-ship SEAD techniques in an armed recce environment.

Requirements. Should be flown as a flight event.
Discuss:
SEAD in support of armed recce.

HARM in support of armed recce.

Introduce/Review:
Develop scenario providing friendly and enemy ground order of battle, SAMs/ADA, Fire Support Coordination Measures, etc.
Conduct mission analysis based on given scenario.
Conduct EW targeting in support of given scenario.
Build JMPS mission to include route and mission cards.
Utilize both threat is the target and threat is not the target profiles.
Proper communications procedures.
Execute planned mission based on Mission Commander's guidance.
React to mission developments and pop-up threats.

Performance Standards.
Properly analyze mission.
Properly conduct EW targeting in support of mission.
Properly executed planned mission.
Properly reacted to mission changes and pop-up threats.
Conducted a minimum of 1 attack against the threat SAM.
Conducted a minimum of 1 attack against a target not co-located with threat SAM.

Crew. Pilot/ECMO 1/2/3.

Prerequisites. SSEAD-3200

Ordnance. CATM-88. 40 Chaff/20 Flares.

External Support. EW Range. Fixed or rotary wing strike aircraft.

2.10.5 Electronic Attack (EA)

2.10.5.1 Purpose. To practice EA-6B tactics and techniques in the task force support and close air support roles.

2.10.5.2 General

(1) Emphasis should be placed on mission analysis, EW planning, crew coordination, and weapon systems integration in support of task force operations and close air support missions. Missions are intended to familiarize the EA-6B aircrew with tactics and techniques and may include, but are not limited to EW in support of ground combat operations, combat service support operations, and assault support. The Mission Commander shall evaluate all other aircrew in the event.

(2) These missions introduce electronic warfare in support of task force operations and close air support. The intent is that the Mission Commander and aircrew conduct a thorough mission analysis based on a real-world, exercise, or simulated scenario. The Mission Commander and aircrew determine the EW support required for that mission and use the required weapon systems. All aircrew log the 3300-3400 stage EA code for the appropriate EW in support of EA event. Additionally, all aircrew log 2000 event ES and EA codes if the applicable weapon systems were employed. Not all event requirements need to be met for the 2000 ES or EA event to be logged if used in a 3300-3400 stage mission. For example, if the aircrew employs the TJSR and USQ-113 in support of an EA-3300 simulator, they would also log the

appropriate ES and EA 2000 event codes for those weapon systems. 2000 event codes will not be chained automatically by 3300-3400 stage EA codes, but they must be logged individually on the NAVFLIR. Mission Commanders are responsible for ensuring all appropriate T&R codes are logged on the NAVFLIR.

2.10.5.3 Crew Requirements. A designated Mission Commander is required for all EA events. For simulator events, the Mission Commander may be in the simulator or at the console. For flight events, a Mission Commander must be in the aircraft. For formation events, a Mission Commander must be in the formation, not necessarily in each aircraft. EA training codes apply to all aircrew regardless of crew position.

2.10.5.4 Academic Training. Applicable academic courseware as outlined in the EA-6B chapter of the MAWTS-1 course catalog.

SEA-3300 2.0 * B (N) * S/A FS/BS

Goal. Develop aircrew proficiency in electronic warfare in support of ground combat operations and combat service support operations.

Requirements. Should be flown as an integrated simulator.

Discuss:

Electronic warfare in support of ground combat operations and combat service support operations. Training scenario may include any or all of the following: Convoy support, Raids, Direct Action, MOUT, Counter surface fires, Information Operations

Introduce/Review:

Conduct mission analysis based on given scenario.
Conduct EW targeting in support of given scenario.
Build JMPS mission to include route and mission cards.
Prepare go/no go criteria and flex plan.
Proper communication procedures.
Degraded modes of operation.
Execute planned mission based on Mission Commander's guidance.
React to mission developments and pop-up threats.

Performance Standards.
Properly analyzed mission.
Properly conduct EW targeting in support of mission.
Properly executed planned mission.
Properly reacted to mission developments and pop-up threats.

Crew. Pilot/ECMO 1/2/3.

Prerequisite. SES-2501,ES-2502, EA-2602 SEA-2603, ATFS-3000.

EA-3301 2.0 365 B,R,M (N) * A/S 1 EA-6B

Goal. Develop aircrew proficiency in electronic warfare in support of ground combat operations and combat service support operations.

Requirements. Should be flown as a flight event.

Discuss:

Electronic warfare in support of ground combat operations and combat service support operations. Training scenario may include any or all of the following: Convoy support, Raids, Direct Action, MOUT, Counter surface fires, Information Operations.

Introduce/Review:
Conduct mission analysis based on given scenario.
Conduct EW targeting in support of given scenario.
Build JMPS mission to include route and mission cards.
Prepare go/no go criteria and flex plan.
Proper communication procedures.
Practice degraded modes of operation.
Execute planned mission based on Mission Commander's guidance.
React to mission developments and pop-up threats.

Performance Standards.
Properly analyzed mission.
Properly conduct EW targeting in support of mission.
Properly executed planned mission.
Properly reacted to mission developments and pop-up threats.

Crew. Pilot/ECMO 1/2/3.

Ordnance. As required.

Prerequisites. SEA-3300

External Support. EW Range, appropriate Ground Combat Elements.

SEA-3302 2.0 * B (N) * S/A FS/BS

Goal. Develop aircrew proficiency in electronic warfare in support of Assault Support.

Requirements. Should be flown as an integrated simulator.
Discuss:
Electronic warfare in support of Assault Support. Training scenario may include any or all of the following: Combat Assault Support, CSAR /TRAP, Air Delivery.

Introduce/Review:
Conduct mission analysis based on given scenario.
Conduct EW targeting in support of given scenario.
Build JMPS mission to include route and mission cards.
Prepare go/no-go criteria and flex plan.
proper communication procedures.
Practice degraded modes of operation.
Execute planned mission based on Mission Commander's guidance.
React to mission developments and pop-up threats.

Performance Standards.
Properly analyzed mission.
Properly conduct EW targeting in support of mission.
Properly executed planned mission.
Properly reacted to mission developments and pop-up threats.

Crew. Pilot/ECMO 1/2/3.

Prerequisites. ES-2502, EA-2602, SEA-2603,EA-2607,2608, ATFS-3000

EA-3303 2.0 365 B,R,M (N) * A/S 1 EA-6B

Goal. Develop aircrew proficiency in electronic warfare in support of

Assault Support.

Requirements. Should be flown as a flight event.
Discuss:
Electronic warfare in support of Assault Support. Training scenario may include any or all of the following: Combat Assault Support, CSAR /TRAP, Air Delivery.

Introduce/Review:
Conduct mission analysis based on given scenario.
Conduct EW targeting in support of given scenario.
Build JMPS mission to include route and mission cards.
Prepare go/no-go criteria and flex plan.
Introduce proper communication procedures.
Practice degraded modes of operation.
Execute planned mission based on Mission Commander's guidance.
React to mission developments and pop-up threats.

Performance Standards.
Properly analyzed mission.
Properly conduct EW targeting in support of mission.
Properly executed planned mission.
Properly reacted to mission developments and pop-up threats.

Crew. Pilot/ECMO 1/2/3.

Ordnance. As required.

Prerequisites. SEA-3302.

External Support. EW Range, Special Use Airspace, and rotary wing aircraft.

SEA-3400	2.0	*	B	(N)	*	S/A	FS/BS

Goal. Practice single-ship techniques in a close air support environment.

Requirements. Should be flown as an integrated simulator.
Discuss:
Electronic warfare in support of CAS.
HARM in support of CAS.

Introduce/Review:
Develop scenario providing friendly and enemy ground order of battle, SAMs/ADA, Fire Support Coordination Measures, etc.
Conduct mission analysis based on given scenario.
Conduct EW targeting in support of given scenario.
Build JMPS mission to include route and mission cards.
Utilize both threat is the target and threat is not the target profiles.
Proper communications procedures.
Execute planned mission based on Mission Commander's guidance.
React to mission developments and pop-up threats.

Performance Standards.
Properly analyze mission.
Properly conduct EW targeting in support of mission.
Properly executed planned mission.
Properly reacted to mission changes and pop-up threats.

Conducted a minimum of 2 attacks against the threat SAM.
Conducted a minimum of 2 attacks against a target not located with threat SAM.

Crew. Pilot/ECMO 1/2/3.

Prerequisite. ES-2502, EA-2602, SEA-2603, EA-2607,2608, ACAS-3010, ACAS-3011.

EA-3401 2.0 365 B,R,M (N) * A/S 1 EA-6B

Goal. Practice single-ship techniques in a close air support environment.

Requirements. Should be flown as a flight event.
Discuss:
Electronic warfare in support of CAS.
HARM in support of CAS.

Introduce/Review:
Develop scenario providing friendly and enemy ground order of battle, SAMs/ADA, Fire Support Coordination Measures, etc.
Conduct mission analysis based on given scenario.
Conduct EW targeting in support of given scenario.
Build JMPS mission to include route and mission cards.
Utilize both threat is the target and threat is not the target profiles.
Proper communications procedures.
Execute planned mission based on Mission Commander's guidance.
React to mission developments and pop-up threats.

Performance Standards.
Properly analyze mission.
Properly conduct EW targeting in support of mission.
Properly executed planned mission.
Properly reacted to mission changes and pop-up threats.
Conduct a minimum of 2 attacks against the threat SAM.
Conduct a minimum of 2 attacks against a target not co-located with threat SAM

Crew. Pilot/ECMO 1/2/3.

Prerequisites. SEA-3400

2.10.6 Electronic Warfare Support(ES)

2.10.6.1 Purpose. Develop proficiency for aircrew in electronic warfare in support of ES missions.

2.10.6.2 General

(1) Emphasize mission analysis, EW planning, crew coordination, and weapon systems integration in support of electronic warfare support missions. The Mission Commander shall evaluate all other aircrew in the event.

(2) These missions introduce advanced electronic warfare support (dense signal environment). The intent is that the Mission Commander and aircrew conduct a thorough mission analysis based on a real-world, exercise, or simulated scenario. The Mission

Commander and aircrew determine the EW support required for that mission and use the required weapon systems. All aircrew log the 3500 stage codes for the appropriate EW event. Additionally, all aircrew log 2000 event ES and EA codes if the applicable weapon systems were employed. Not all event requirements need to be met for the 2000 ES or EA event to be logged if used in a 3500 ES mission. For example, if the aircrew employs the TJS, TJSR, HARM, and USQ-113 in support of an SEW-3500 simulator, they would also log the appropriate ES and EA-2000 event codes for those weapon systems. 2000 event codes will not be chained automatically by 3500 stage ES codes, but must be logged individually on the NAVFLIR. Mission Commanders are responsible for ensuring all appropriate T&R codes are logged on the NAVFLIR.

2.10.6.3 Crew Requirements. A designated Mission Commander is required for all ES events. For simulator events, the Mission Commander may be in the simulator or at the console. For flight events, a Mission Commander must be in the aircraft. For formation events, a Mission Commander must be in the formation, not necessarily in each aircraft. ES training codes apply to all aircrew regardless of crew position.

2.10.6.4 Academic Training. Applicable academic courseware as outlined in the EA-6B chapter of the MAWTS-1 course catalog.

SES-3500 2.0 * B (N) * S/A FS/BS

Goal. Practice signal recognition, localization, and recording capabilities in a dense electromagnetic environment.

Requirements. Should be flown as an integrated simulator. Shall be planned and briefed as a section, may be flown as a single.

Discuss:

Electronic warfare support (ES) in support of OAS in a dense signal environment.
Employment of HARM as a sensor.

Introduce/Review:

Develop scenario providing friendly and enemy ground order of battle, emitters, SAMs/ADA, Fire Support Coordination Measures, etc.
Build JMPS mission.
Proper communications procedures.
Prioritize, detect, identify, localize, and record signals of interest.
Coordinate navigation tracks for ES optimization.
Properly initialize the TJSR.
Maintain ES logs, focusing on SOI.

Performance Standards. Accurately identify, localize, and record multiple signals by band in a dense electromagnetic environment.

Crew. Pilot/ECMO 1/2/3.

Prerequisites. SES-2501, ES-2502.

ES-3501 2.0 365 B,R,M (N) * A/S 2 EA-6B

Goal. Practice signal recognition, localization, and recording

capabilities in a dense electromagnetic environment.

Requirements. Should be flown as a flight event. Shall be planned and briefed as a section, may be flown as a single.

Discuss:

Electronic warfare support (ES) in support of OAS in a dense signal environment.
Employment of HARM as a sensor.

Introduce/Review:

Develop scenario providing friendly and enemy ground order of battle, emitters, SAMs/ADA, Fire Support Coordination Measures, etc.
Build JMPS mission.
Introduce proper communications procedures.
Prioritize, detect, identify, localize, and record signals of interest.
Coordinate navigation tracks for ES optimization.
Properly initialize the TJSR.
Maintain ES logs, focusing on SOI.

Performance Standards. Accurately identify, localize, and record multiple signals by band in a dense electromagnetic environment.

Crew. Pilot/ECMO 1/2/3.

Prerequisites. SES-3500.

External Support. EW Range and Special Use Airspace.

Ordnance. CATM (if available).

2.10.7 Aerial Escort (AE)

2.10.7.1 Purpose. Develop proficiency for aircrew in electronic warfare in support of Air Interdiction missions.

2.10.7.2 General

(1) Emphasize mission analysis, EW planning, crew coordination, and weapon systems integration in support of air interdiction missions. The Mission Commander shall evaluate all other aircrew in the event.

(2) These missions introduce electronic warfare in support of air interdiction. The intent is that the Mission Commander and aircrew conduct a thorough mission analysis based on a real-world, exercise, or simulated scenario. The Mission Commander and aircrew determine the EW support required for that mission and use the required weapon systems. All aircrew log the 3600 stage codes for the appropriate EW in support of AE event. Additionally, all aircrew log 2000 event ES and EA codes if the applicable weapon systems were employed. Not all event requirements need to be met for the 2000 ES or EA event to be logged if used in a 3600 AE mission. For example, if the aircrew employs the TJS, TJSR, HARM, and USQ-113 in support of an SAE-3600 simulator, they would also log the appropriate ES and EA 2000 event codes for those weapon systems. 2000 event codes will not be chained automatically by 3600 stage AE codes, but must be logged individually on the NAVFLIR. Mission

Commanders are responsible for ensuring all appropriate T&R codes are logged on the NAVFLIR.

2.10.7.3 Crew Requirements. A designated Mission Commander is required for all AE events. For simulator events, the Mission Commander may be in the simulator or at the console. For flight events, a Mission Commander must be in the aircraft. For formation events, a Mission Commander must be in the formation, not

necessarily in each aircraft. AE training codes apply to all aircrew regardless of crew position.

2.10.7.4 Academic Training. Applicable academic courseware as outlined in the EA-6B chapter of the MAWTS-1 course catalog.

SAE-3600 2.0 * B (N) * S/A FS/BS

Goal. Develop aircrew proficiency in electronic warfare in support of air interdiction.

Requirements. Should be flown as integrated simulator.
Discuss:
Electronic warfare in support of air interdiction.

Introduce/Review:
Conduct mission analysis based on given scenario.
Conduct EW targeting in support of given scenario.
Build JMPS mission to include route and mission cards.
Introduce proper communications procedures.
Execute planned mission based on Mission Commander's guidance.
React to mission developments and pop-up threats.

Performance Standards.
Properly analyzed mission.
Properly conducted EW targeting in support of mission.
Properly executed planned mission.
Properly reacted to mission developments and pop-up threats.

Crew. Pilot/ECMO 1/2/3.

Prerequisite. AAE-3021.

Ordnance. As required.

AE-3601 2.0 365 B,R,M (N) * A/S 1 EA-6B

Goal. Develop aircrew proficiency in electronic warfare in support of air interdiction.

Requirements. Should be flown as a flight event.
Discuss:
Electronic warfare in support of air interdiction.

Introduce/Review:
Conduct mission analysis based on given scenario.
Conduct EW targeting in support of given scenario.
Build JMPS mission to include route and mission cards.
Proper communications procedures.
Execute planned mission based on Mission Commander's guidance.
React to mission developments and pop-up threats.

Performance Standards.
Properly analyzed mission.
Properly conducted EW targeting in support of mission.
Properly executed planned mission.
Properly reacted to mission developments and pop-up threats.

Crew. Pilot/ECMO 1/2/3.
Ordnance. As required.

Prerequisites. SAE-3600.

External Support. EW Range. Fixed or rotary wing strike aircraft.

2.11 CORE PLUS PHASE (4000)

2.11.1 General. This phase contains skill training associated with low probability of execution and/or theater specific operations. Although Core Plus training events may provide valuable training opportunities, they are not considered essential to achieve unit Core Competency. Core Plus training is conducted at the discretion of operational commanders and allows unit training flexibility.

2.11.1.1 Core Plus Skill Phase Stages

Par No.	Stage Name
2.11.2	Academics
2.11.3	Formation (FORM)
2.11.4	Low Altitude Aerial Refueling (AR)
2.11.5	Electronic Warfare (EW)
2.11.6	Defensive Tactics (DEFTAC)
2.11.7	Expeditionary Air Field Operations (EAF)
2.11.8	Carrier Qualification (CQ)

2.11.2 Academics Stage. To provide aircrew with the appropriate ground training necessary for the Core Plus Skills Phase.

AFORM-4000 1.0 * B * * Lec

Description. EA-6B Division Formation.

AAR-4010 0.5 * B * * Chalk Talk

Description. Low Altitude Refueling.

AEW-4020 1.0 * B * * Lec

Description. ALE-43 Bulk Chaff.

AEW-4023 1.0 * B * * Lec

Description. EA-6B Litening Pod.

ADEFTAC-4030 1.5 * B * * Lec

Description. EA-6B Basic Fighter Maneuvers.

ADEFTAC-4031 1.5 * B * * Lec

Description. EA-6B Intercept Control.

ADEFTAC-4032	1.5	*	B		*	*	Lec

Description. EA-6B 1v1 WVR Conduct.

ADEFTAC-4033	1.5	*	B		*	*	Lec

Description. EA-6B 1v1 BVR Conduct.

AEAF-4040	0.5	*	B		*	*	Chalk Talk

Description. EA-6B Operations and Course Rules.

AEAF-4041	0.5	*	B		*	*	Chalk Talk

Description. EAF Emergency Procedures.

2.11.3 Formation (FORM)

2.11.3.1 Purpose. Develop proficiency for Pilot and ECMO 1 in EA-6B division formation skills.

2.11.3.2 General. Emphasize crew coordination, flight leadership, and safe formation procedures. The Division Lead evaluates all other aircrew under instruction.

2.11.3.3 Crew Requirements. Training codes apply only to Pilot and ECMO 1. Other crew positions may be manned as required.

2.11.3.4 Academic Training. Per NATOPS, local SOP, and applicable MAWTS-1 courseware.

FORM-4100	2.0	365	R		(N)	*	A	3+ EA-6B

Goal. Maintain proficiency in basic division procedures and maneuvers.

Requirements.

Discuss:

Division formation terms, visual signals, and definitions.

Review:

Interval takeoff and rendezvous.
Parade and Cruise.
Lead Changes.
One NATOPS TACAN rendezvous.
Two NATOPS Break-up and rendezvous - one left, one right.
Division recovery.

Performance Standards.
Know division formation terms, visual signals, and definitions.
Perform all maneuvers per NATOPS and applicable MAWTS-1 EA-6B courseware.

Crew. Pilot/ECMO 1.

Prerequisites. FORM-2200, AFORM-4000

External Support. Special Use Airspace.

2.11.4 Low Altitude Aerial Refueling (AR)

2.11.4.1 Purpose. To introduce/review the techniques and procedures required for low altitude aerial refueling.

2.11.4.2 General. Any refueling aircraft may be used for this stage.

2.11.4.3 Crew Requirements. Training codes apply only to pilot. Other crew positions may be manned as required.

2.11.4.4 Academic Training. Per NATOPS and local SOP. Additionally, complete applicable academic courseware as outlined in the EA-6B chapter of the MAWTS-1 course catalog.

AR-4200 1.0 365 B,R,M (N) * A 1 EA-6B

Goal. Introduce/review the techniques and procedures required for low altitude aerial refueling.

Requirements. May be flown day or night below 5000' AGL.
Discuss:
Air refueling in the EA-6B.

Complete:
At least 1 plug (wet/dry) to maintain/regain proficiency.

Performance Standards.
Proper communications procedures.
Proper tanker rendezvous.
Proper aerial refueling procedures/techniques.
Proper departure from tanker.

Crew. Pilot/ECMO 1.

Prerequisites. FAM-2104, AR-2400, AAR-4010

External Support. Special Use Airspace and 1 KC-130 or other suitable tanker.

2.11.5 Electronic Warfare (EW)

2.11.5.1 Purpose. Develop proficiency for aircrew in electronic warfare in support of various missions.

2.11.5.2 General.

(1) Emphasis should be placed on mission analysis, EW targeting and planning, crew coordination, and weapon systems integration in support of various missions. The Mission Commander shall evaluate all other aircrew in the event.

(2) These missions introduce electronic warfare in support of various missions to include but are not limited to ALE-43 bulk chaff, electronic protection training, expeditionary strike group support, national asset ES integration, large force exercises, and real world contingencies. The intent is that the

Mission Commander and aircrew conduct a thorough mission analysis based on a real-world, exercise, or simulated scenario. The Mission Commander and aircrew determine the EW support required for that mission and use the required weapon systems. All aircrew log the 3000 event code for the appropriate EW event. Additionally, all aircrew log 2000 event ES and EA codes if the applicable weapon systems were employed. Not all event requirements need to be met for the 2000 ES or EA event to be logged if used in a 4000 stage EW mission. For example, if the aircrew employs the TJS and USQ-113 in support of an EW-4300 flight, they would also log the appropriate ES and EA 2000 event codes for those weapon systems. 2000 event codes will not be chained automatically by 4300 stage EW codes; they must be logged individually on the NAVFLIR. Mission Commanders are responsible for ensuring all appropriate T&R codes are logged on the NAVFLIR.

2.11.5.3 Crew Requirements. A designated Mission Commander is required for all EW events. For simulator events, the Mission Commander may be in the simulator or at the console. For flight events, a Mission Commander must be in the aircraft. For formation events, a Mission Commander must be in the formation. EW stage training codes apply to all aircrew regardless of crew position.

2.11.5.4 Academic Training. Applicable academic courseware as outlined in the EA-6B chapter of the MAWTS-1 course catalog.

EW-4300 2.0 365 B,R,M (N) * A 1 EA-6B

Goal. Introduce/practice the aircrew requirements for ALE-43 bulk chaff operations.

Requirements. May be flown day or night.

Discuss:

ALE-43 pod operation and bulk chaff tactics.

Review:

EA game plan to optimize chaff corridor.
Program chaff panel based on threat environment.
Dispense or simulate chaff employment.
Execute planned mission based on Mission Commander's guidance.
React to mission developments and pop-up threats.

Performance Standards.
Properly determine bulk chaff drop track and altitudes.
Properly employ chaff utilizing correct cutter head.
Properly clear any malfunctions.
Properly react to mission developments and pop-up threats.

Crew. Pilot/ECMO 1.

Prerequisites. FAM-2102, AEW-4020.

Ordnance. ALE-43.

External Support. Special Use Airspace.

EW-4303 2.0 365 B,R,M (N) * A 1 EA-6B

Goal. Introduce/review the requirements necessary to integrate EW

with National Assets during mission planning and execution.

Requirements. May be flown day or night. Every attempt shall be made to receive capabilities briefs of the assets involved in the mission.

Discuss:

National Asset platform(s) involved in the mission.

Review:

Develop JMPS mission.
Develop communications plan and reporting procedures.
Correlate TJSR signals with national sources in order to provide more accurate indications and warning to other tactical assets.
Correlate TJSR signals to increase EA effectiveness.
Verify ELINT broadcast airborne if capable.
Properly initialize MATT.
Send and receive IDM message if available.

Performance Standards.
Properly analyzed mission.
Properly coordinated with national asset.
Properly executed planned mission.
Properly reacted to mission developments and pop-up threats.

Crew. Pilot/ECMO 1/2/3.

Prerequisites. SES-3500, AEW-4022.

Ordnance. As required.

External Support. National Asset(s).

EW-4304 2.0 365 B,R,M (N) * A 1 EA-6B

Goal. Introduce/review electronic warfare in support of large force exercise or contingency operations.

Requirements. May be flown day or night.

Discuss:

EW in support of exercise scenario and missions.

Review:

JMPS mission.
Determine EA-6B(s) EW and route timing per the exercise scenario.
Determine optimum load-out.
Coordinate TCAC and Intelligence brief of scenario and EOB.
Develop HARM plan.
Brief HVAA protection plan.
USQ-113 integration and targeting.
Expendables game plan.
EMI with friendly systems.

Performance Standards.
Properly analyzed mission.
Properly conduct EW targeting in support of mission.
Properly executed planned mission.
Properly reacted to mission developments and pop-up threats.

Crew. Pilot/ECMO 1/2/3.

Prerequisites. FAM-2102.

Ordnance. As required.

External Support. As required.

EW-4305 2.0 365 R (N) * A 1 EA-6B

Goal. Introduce/practice the aircrew requirements for AN/AAQ-128 Litening Pod operations.

Requirements. May be flown day or night.
Discuss:
AN/AAQ-128 operations and ISR employment.

Review:
Prepare an ISR game plan that utilizes different modes of operation under given environmental game plans.
Execute a planned mission based on Mission Commander's guidance.

Performance Standards.
Properly conduct pod operation and sensor optimization.
Properly interpret sensor images.
Properly troubleshoot any pod malfunctions.
Properly respond to mission development and pop-up threats.
Demonstrate knowledge of IR/LASER and ISR terminology.
Properly record and debrief mission tapes.

Crew. Pilot/ECMO 1.

Prerequisites. FAM-2102, AEW-4023.

Ordnance. AN/AAQ-128 Litening Pod.

External Support. As required.

2.11.6 Defensive Tactics (DEFTAC)

2.11.6.1 Purpose. Introduce basic fighter maneuver counters, intercept communications, and defensive air combat maneuvering.

2.11.6.2 General. Emphasis should be placed on crew coordination, aircraft performance characteristics, building situational awareness, and basic defensive air combat maneuvers. The DEFTACI shall evaluate aircrew under instruction.

(1) Upon completion of DEFTAC-4500, SDEFTAC-4501, and DEFTAC-4502 under the supervision of a designated DEFTACI, aircrew may be issued a Defensive Tactics Qualified (DEFTACQ) letter signed by the commanding officer. If aircrew lose proficiency in all DEFTAC events, the Defensive Tactics Qualification is lost and may be regained by completing all "R" coded DEFTAC events with a DEFTACI.

(2) One dissimilar aircraft is required for DEFTAC-4500 and DEFTAC-4502. DEFTAC-4500 does not require a radar-missile/BVR capable aircraft. DEFTAC-4502 requires a radar-missile/BVR capable dissimilar aircraft.

2.11.6.3 Crew Requirements. A designated DEFTACI Pilot or ECMO 1 shall be crewed with non-qualified DEFTAC aircrew. If all aircrew in the event are DEFTAC qualified, a DEFTACI is not required. Pilots must complete all DEFTAC events in the pilot seat. ECMOs may fly all DEFTAC events in any ECMO seat. If at a minimum Pilot and ECMO 1 are proficient in DEFTAC the event may be flown without a DEFTACI, however ECMO 2 and 3 aircrew shall not log DEFTAC T&R codes if not already proficient.

2.11.6.4 Academic Training. Applicable academic courseware as outlined in the EA-6B chapter of the MAWTS-1 course catalog.

DEFTAC-4500 1.5 365 B,R,M D E A 1 EA-6B

Goal. Introduce 1v1 Basic Fighter Maneuver Counters (BFMC).

Requirements.
Discuss:
BFMC concepts and maneuvers.

Introduce:
Eyeball calibration and demos (Initial flight only):
Bogey demo low-to-high angle-off-tail (AOT) from 20, 40, 60° and top/bottom of aircraft.
Bogey demo missile and gun envelopes with pursuit demos(lead, lag, pure).
Bogey demo six o'clock blind zone.
Bogey demo low Yo-Yo, high Yo-Yo, and Barrel Roll attack.
Guns Weave:
Run 1: Bogey comm/EA-6B non-maneuvering.
Run 2: Bogey comm/EA-6B maneuvers.
Run 3: Bogey no comm/EA-6B maneuvers.
Perform low angle and high angle defensive counters.
Perform multiple head-on starts.
One-circle flow (Initial flight only).
Two-circle flow (Initial flight only).
Bogey vertical at merge (Initial flight only).
Bogey uses highest category aircraft capable with appropriate WVR WEZ.

Performance Standards.
Knows BFMC concepts, terms, and procedures.
Properly recognizes and performs maneuvers.
Demonstrates proper crew coordination, communication, and expendables.

Crew. Pilot/ECMO 1/2/3. DEFTACI Pilot or ECMO1 if required.

Prerequisites. FAM-2106, TRXN-2701, ADEFTAC-4030, ADEFTAC-4032.

Ordnance. 60 Flares. TCTS or equivalent pod should be used, if available.

External Support. Special Use Airspace, dissimilar F/W adversary, and an Instrumented Range (if applicable).

SDEFTAC-4501 2.0 * B D E S FS

Goal. Introduce intercept control and BVR engagements, Slide/Scram execution, and FQMD.

Requirements. DEFTACI makes appropriate shot calls for simulated bogey.

Discuss:
Intercept communications and BVR tactics.

Introduce:
Bogey commits against EA-6B from 30 NM (EA-6B non-maneuvering).
Bogey at Scram range.
Bogey inside Scram range but outside of Decision Range.
Pop-up Threat inside Decision Range.
Introduce/Review dive recovery rules to no lower than 500 ft AGL.

Performance Standards.
Determine proper Slide, Scram, Decision Range and directions.
Properly interpret AIC/GCI communications.
Properly build situational awareness with standard intercept communications.
Demonstrate proper expendables employment.

Crew. Pilot/ECMO 1. DEFTACI if required.

Prerequisites. FAM-2106, TRXN-2701, ADEFTAC-4031/4033

Ordnance. Simulate 40 Chaff/20 Flares.

External Support. GCI controller (if available).

DEFTAC-4502 1.5 365 B,R,M D E A 1 EA-6B

Goal. Review intercept control and BVR engagements, Slide/Scram execution, and FQMD. This is the Pilot/ECMO DEFTAC qualification sortie.

Requirements. GCI/AIC required if available. If no radar control available, an air-intercept radar-equipped bogey may provide reverse GCI control. TACTS debrief recommended if available.

Discuss:
Intercept communications and BVR tactics.

Introduce:
Eyeball calibration (Initial flight only).
Bogey at Scram range (Initial flight only).
Bogey inside Scram range and outside of Decision Range (Initial flight only).
Pop-up Threat inside Decision Range.
Transition from BVR to WVR as appropriate.
Review dive recovery rules to no lower than 500 ft AGL.

Performance Standards.
Determine proper Slide, Scram, and Decision ranges and directions.
Properly interpret GCI/AIC communications.
Properly build situational awareness with standard intercept communications.
Demonstrate proper expendables employment.

Crew. Pilot/ECMO 1/2/3. DEFTACI Pilot or ECMO1 if required.

Prerequisites. DEFTAC-4500, SDEFTAC-4501.

Ordnance. 40 Chaff/20 Flares.

External Support. Special Use Airspace, GCI/AIC, Instrumented Range, and dissimilar F/W adversary.

2.11.7 Expeditionary Airfield Operations (EAF)

2.11.7.1 Purpose. To prepare aircrew for operations from a short, tactical EAF.

2.11.7.2 General. EAF training may be conducted when operational requirements dictate. Appropriate facility requirements include FCLP capability and short-field arresting gear. The pilot/ECMO 1 are considered EAF trained upon the completion of 1 day and 1 night arrested landing.

2.11.7.3 Crew Requirements. Pilot and ECMO 1.

2.11.7.4 Academic Training. Applicable VMAQT-1 academic courseware.

SEAF-4600 2.0 * B D/N* * S FS

Goal. Introduce the procedures and techniques required for EAF and FCLP operations.

Requirements.
Discuss:
EAF operations.

Introduce:
Proper entry and departure procedures at the EAF.
Conduct a minimum of 2 Mode 2 approaches, 2 "Bullseye" approaches, and 2 GCAs.
Complete a minimum of 2 night and 2 day arrested landings.
Appropriately deal with various landing emergencies associated with EAF operations.

Performance Standards.
Properly perform 2 day and 2 night arrested landings.
Properly identify and react to various takeoff and landing emergencies.

Crew. Pilot/ECMO 1.

Prerequisites. AEAF-4040/4041.

EAF-4601 1.0 365 B,R,M D E A 1 EA-6B

Goal. Obtain day EAF qualification.

Requirements. EAF qualified LSO.
Discuss:
EAF operations.

Complete:
At least 1 arrested landing.
Proper entry and departure procedures from the EAF.

Performance Standards.
Safely accomplish at least 1 arrested landing.

Comply with LSO direction.

Crew. Pilot/ECMO 1.
Prerequisites. SEAF-4600

External Support. EAF and LSO as required.

EAF-4602 1.0 365 B,R,M N* E A 1 EA-6B

Goal. Obtain night EAF qualification.

Requirements. EAF qualified LSO.
Discuss:
EAF operations.

Complete:
At least 1 arrested landing.
Proper entry and departure procedures from the EAF.

Performance Standards.
Safely accomplish at least 1 arrested landing.
Comply with LSO direction.

Crew. Pilot/ECMO 1.

Prerequisites. EAF-4601.

External Support. EAF and LSO.

2.11.8 Carrier Qualification (CQ)

2.11.8.1 Purpose. To prepare aircrew for operations from an aircraft carrier.

2.11.8.2 General.

(1) FCLP will be conducted per current NATOPS and other applicable guidelines and under the control of a qualified LSO. Totals of graded passes may vary and the LSO is responsible for ensuring that the proficiency demonstrated by each pilot is sufficient for successful carrier qualification. The LSO will monitor the pilot's tendencies for all simulator events. Upon completion of the appropriate work-up period the LSO will provide written certification for all pilots. There is no requirement for certification/evaluation of ECMOs.

(2) All CQ aircrew will complete SCQ-4702 prior to commencing CQ.

2.11.8.3 Crew Requirement. Pilot and ECMO 1.

2.11.8.4 Ground Training. As directed by the LSO.

FCLP-4700 1.0 * B,R D E A 1 EA-6B

Goal. Practice day FCLPs.

Requirements. Field qualified EA-6B LSO.
Discuss:
FCLP.

May be conducted as a single sortie or at the completion of another sortie.

Complete:
A minimum of 6 graded passes under the control of a qualified LSO.

Performance Standards. Per LSO NATOPS.

Crew. Pilot/ECMO 1.

External Support. A field qualified LSO if the squadron does not possess one.

FCLP-4701 1.0 * B,R N* E A 1 EA-6B

Goal. Practice night FCLPs.

Requirements.
Discuss:
FCLP.
May be conducted as a single sortie or at the completion of another sortie.

Complete:
A minimum of 6 graded passes under the control of a qualified LSO.

Performance Standards. Per LSO NATOPS.

Crew. Pilot/ECMO 1.

Prerequisites. At least 1 day FCLP period. FCLP-4700

External Support. A field qualified LSO if the squadron does not possess one.

SCQ-4702 2.0 * B,R D * S FS

Goal. Introduce CV check-in, marshal, recovery, and departure procedures. Introduce communications and crew coordination requirements for successful carrier operations. Introduce CV emergencies.

Requirements. CV qualified EA-6B LSO at the console.
Discuss:
CQ.

Complete:
A minimum of 2 touch-and-go landings, 4 traps, and at least 4 cat shots.
Multiple Case I and II approaches.

Performance Standards.
Properly demonstrate appropriate arrival and departure communications and procedures.
Appropriately resolve selected CV emergencies.

Crew. Pilot/ECMO 1.

External Support. CV qualified EA-6B LSO if the squadron does not possess one.

CQ-4703 1.5 180 B,R,M D E A 1 EA-6B

Goal. Day qualify for carrier operations.

Requirements. Under the control of a CV qualified EA-6B LSO. Complete required number of touch-and-go's and arrested landings per CV NATOPS.

Performance Standards. Per CV NATOPS.

Crew. Pilot/ECMO 1.

Prerequisites. LSO work-up certification. FCLP-4700, SCQ-4702.

External Support. CV qualified EA-6B LSO if the squadron does not possess one.

CQ-4704 1.5 180 R N* E A 1 EA-6B

Goal. Night qualify for carrier operations.

Requirements. Under the control of a CV qualified EA-6B LSO. Complete required number of touch-and-go's and arrested landings per CV NATOPS.

Performance Standards. Per CV NATOPS.

Crew. Pilot/ECMO 1.

Prerequisites. LSO work-up certification. FCLP-4700, FCLP-4701, SCQ-4702.

External Support. CV qualified EA-6B LSO if the squadron does not possess one.

2.12 INSTRUCTOR TRAINING PHASE (5000)

2.12.1 General. This phase contains instructor work-up and certification syllabus events. NSI and DEFTACI certification requirements are delineated by the Commanding Officer of MAWTS-1 and detailed in the MAWTS-1 EA-6B Course Catalog. Once certified by MAWTS-1 and designated by the Squadron CO an M-SHARP entry will be made. Flight Leadership Standardization Evaluator POIs are delineated by the VMAQ squadrons and are detailed below. Once designated by the MAG CO an M-SHARP entry will be made.

2.12.1.1 Instructor Training Phase Stages

Par No.	Stage Name
2.12.2	Night Systems Instructor (NSI)
2.12.3	Defensive Tactics Instructor (DEFTACI)
2.12.4	Flight Leadership Standardization Evaluator (FLSE)
2.12.5	NATOPS Instructor (NTPSI)
2.12.6	Electronic Warfare Tactics Officer (EWTO)
2.12.7	Instrument Evaluator (IE)
2.12.8	FRS Instructor Pilot (FRS IP)

2.12.9	FRS Instructor ECMO (FRS IE)
2.12.10	Expeditionary Airfield Instructor (EAFI)
2.12.11	Contract Instructor (CI)

2.12.2 Night Systems Instructor (NSI)

2.12.2.1 Purpose. To work-up and certify NSI.

2.12.2.2 General. See MAWTS-1 Course Catalog for additional requirements, performance standards, and guidance.

2.12.2.3 Crew Requirements. NS qualified. Minimum of 25 hours NVG time in the EA-6B. NSI Pilot and ECMO IUT in ECMO 1 seat. Pilot IUT and NSI ECMO or Pilot in ECMO 1 seat.

2.12.2.4 Academic Training. Self-paced reading per MAWTS-1 Course Catalog. SME level of knowledge on EA-6B NVD Use.

NSI-5100 2.0 * B NS E A 1 EA-6B

Goal. NSI work-up sortie.

Requirements. IUT an NS-2300. See MAWTS-1 Course Catalog for additional requirements, performance standards, and guidance.

NSI-5101 2.0 * B NS E A 1 EA-6B

Goal. NSI work-up sortie.

Requirements. IUT a NS-2301. See MAWTS-1 Course Catalog for additional requirements, performance standards, and guidance.

NSI-5102 2.0 * B NS E A 2 EA-6B

Goal. NSI work-up sortie.

Requirements. IUT a NS-2302. See MAWTS-1 Course Catalog for additional requirements, performance standards, and guidance.

NSI-5103 2.0 * B,R NS E A 2 EA-6B

Goal. NSI certification sortie.

Requirements. Certify a NS-2302. Alternately, prospective NSI ECMOs only may certify on an NS-2301. See MAWTS-1 Course Catalog for additional requirements, performance standards, and guidance.

2.12.3 DEFTAC Instructor (DEFTACI).

2.12.3.1 Purpose. To work-up and certify DEFTACI.

2.12.3.2 General. See MAWTS-1 Course Catalog for additional requirements, performance standards, and guidance.

2.12.3.3 Crew Requirements. DEFTAC qualified. DEFTACI Pilot and ECMO IUT in ECMO 1 seat. Pilot IUT and DEFTACI ECMO or Pilot in ECMO1 seat.

2.12.3.4 Academic Training. Self-paced reading per MAWTS-1 Course Catalog.

DEFTACI-5200 1.5 * B D E A 1 EA-6B

Goal. DEFTACI work-up sortie (This sortie is only required if not a WTI. This code will be logged with a DEFTAC-5201 if PDEFTACI is a WTI.)

Requirements. IUT a TRXN-2701. See MAWTS-1 Course Catalog for additional requirements, performance standards, and guidance.

DEFTACI-5201 1.5 * B D E A 1 EA-6B

Goal. DEFTACI work-up sortie.

Requirements. IUT a DEFTAC-4500. See MAWTS-1 Course Catalog for additional requirements, performance standards, and guidance.

External Support. Special Use Airspace, Instrumented Range, and dissimilar F/W adversary.

DEFTACI-5202 1.5 * B D E A 1 EA-6B

Goal. DEFTACI work-up sortie.

Requirements. IUT a DEFTAC-4502. See MAWTS-1 Course Catalog for additional requirements, performance standards, and guidance.
External Support. Special Use Airspace, Instrumented Range, and dissimilar F/W adversary.

DEFTACI-5203 1.5 * B,R D E A 1 EA-6B

Goal. TRXN Standardization Check.

Requirements. Certify a TRXN-2701. See MAWTS-1 Course Catalog for additional requirements, performance standards, and guidance.

External Support. Special Use Airspace.

DEFTACI-5204 1.5 * B,R D E A 1 EA-6B

Goal. DEFTACI certification sortie.

Requirements. Certify a DEFTAC-4500. See MAWTS-1 Course Catalog for additional requirements, performance standards, and guidance.

External Support. Special Use Airspace, Instrumented Range, and dissimilar F/W adversary.

DEFTACI-5205 1.5 * B,R D E A 1 EA-6B

Goal. DEFTACI certification sortie.

Requirements. Certify a DEFTAC-4502. See MAWTS-1 Course Catalog for additional requirements, performance standards, and guidance.

External Support. Special Use Airspace, Instrumented Range, and dissimilar F/W adversary.

2.12.4 Flight Leadership Standardization Evaluator (FLSE)

2.12.4.1 Purpose. A Marine Aircraft Group designated T/M/S FLSE is an Aviator or NFO responsible for implementing the community Flight Leadership POI at the unit level.
(1) The FLSE will be nominated by the squadron CO and designated by the MAG CO.
(2) The FLSE shall hold the highest Flight Leadership Designation of their respective T/M/S as listed in the respective T/M/S program guide.
(3) Prospective FLSEs shall complete the Period of instruction (POI) detailed in this document, prior to designation.
(4) FLSEs are responsible for providing input to the Program Coordinator concerning standardization issues and recommended changes to the FLSE program.
(5) FLSEs shall attend quarterly FLSE standardization boards, hosted by the Program Coordinator. Designated FLSEs who have not flown in their respective T/M/S for 18 months will require re-designation in accordance with the FLSE Program Guide. Once designated an M-SHARP entry will be made. Each squadron should possess four (two pilot/two ECMO) FLSEs.

2.12.4.2 General. Although the FLSE designation is synonymous between pilots and ECMOs, the types of events/sorties that pilots and ECMO FLSEs may evaluate will be different. For clarification:

(1) Pilot FLSEs shall evaluate SLUT if a Section Lead and DLUT events if a Division Lead.

(2) ECMO FLSEs shall only evaluate MCUT events.

(3) Waiver and re-designation criteria. FLSE POIs are waiverable only by the MAWTS-1 CO. Designated FLSEs are required to attend quarterly FLSE standardization boards, hosted by the Program Coordinator. Designated FLSEs who have not flown in their respective T/M/S for 18 months will require re-designation in accordance with the FLSE Program Guide.

FLSE-5300	0.0	*	B,R	E	*	*	*

Goal. FLSE Certification.

Requirements.

Review:
2000-4000 phase MAWTS-1 Courseware concerning weapon systems and tactics (Pilots and ECMOs).
Self-paced readings and lectures in the SLUT and DLUT POI (Pilots only).

Conduct:
Initial training/in-brief with the EA-6B Program Coordinator (MATSS).

Observe:
ECMO FLSEs shall observe a MCUT standardization evaluation.
Pilot FLSEs shall observe a MCUT standardization evaluation. However this shall not be used in lieu of the Pilot FLSE observing a SLUT or DLUT standardization evaluation.
SLUT or DLUT standardization evaluation with a designated FLSE (Pilots only).

Performance standards.
Demonstrates a thorough knowledge of standardization applicable to tactics and the MCUT syllabus (Pilots and ECMOs).
Demonstrates a thorough knowledge of standardization applicable to formation operations and the SLUT and DLUT syllabi (Pilots only).
Demonstrates an understanding of the FLSE evaluation criteria.

Prerequisites.
Designated Mission Commander (Pilots and ECMOs).
Designated Section Lead (Pilots only for SLUT events).
Designated Division Lead (Pilots only for DLUT events).
Nominated by the Squadron CO.
Designated ORM Instructor or CRM Facilitator.

2.12.5 NATOPS Instructor (NATOPSI)

2.12.5.1 Purpose. To work-up and certify a NATOPS Evaluator, Instructor, and Assistant NATOPS Instructor.

2.12.5.2 General.

(1) NATOPS Evaluators are highly qualified aircrew assigned to a NATOPS evaluation unit who conducts annual unit NATOPS evaluations for a flight crew position. Designations shall be in writing by the squadron commanding officer of the Model Manager Unit.

(2) NATOPS Instructors are highly qualified aircrew whose primary duties should be administering the NATOPS evaluations within the squadron. The NATOPSI shall receive initial and subsequent NATOPS evaluations from the appropriate NATOPS evaluator and be designated in writing by the squadron commanding officer.

(3) Assistant NATOPS Instructors are highly qualified aircrew who can administer NATOPS evaluation checks. The assistant NATOPS Instructors shall receive initial and subsequent NATOPS evaluations from either the appropriate NATOPS evaluator or squadron or unit NATOPS instructor and be designated in writing by the squadron commanding officer.

(4) Upon completion of the appropriate POI, aircrew shall be designated in writing by the squadron commanding officer, and shall be annotated in M-SHARP by the Operations Officer.

NTPSI-5400 2.0 365 B,R,M * E * Exam

Goal. Complete appropriate open book NATOPSI exam as determined by NATOPS Model Manager Unit.

Requirements. Utilize current NATOPS Manual and Pocket Checklist (PCL), and OPNAVINST 3710 series.

Performance standards. Achieve a minimum score of qualified.

Prerequisites.
Minimum hours in type in accordance with MAG SOP.

Nominated by the appropriate STAN board.

NTPSI-5401 0.0 365 B,R,M * E * Exam

Goal. Complete closed book NATOPSI exam as determined by NATOPS Model Manager.

Requirements. Utilize current NATOPS Manual and Pocket Checklist (PCL), and OPNAVINST 3710 series.

Performance standards. Achieve a minimum score of qualified.

Prerequisites. NTPSI-5400.

NTPSI-5402 2.0 365 B,R,M (N) E S/A FS

Goal. Complete NATOPSI check flight.

Requirements. IAW NATOPS and OPNAVINST 3710 series.

Performance standards. IAW NATOPS and OPNAVINST 3710 series.

Prerequisites. NTPSI-5400, 5401

NTPSI-5403 2.0 * B,R * * S FS

Goal. Observe a NATOPS Check from the simulator console.

Requirements. Observe a complete NATOPS check with a designated NATOPS Evaluator/Instructor IAW NATOPS and OPNAVINST 3710 series.

Performance standards. IAW NATOPS and OPNAVINST 3710 series.

Prerequisites. NTPSI-5402.

2.12.6 Electronic Warfare Tactics Officer (EWTO).

2.12.6.1 Purpose. To work-up and certify EWTO.

2.12.6.2 General. See MAWTS-1 Course Catalog for additional requirements, performance standards, and guidance.

2.12.6.3 Crew Requirements. Mission Commander designated prior to certification.

2.12.6.4 Academic Training. Self-paced reading per MAWTS-1 Course Catalog.

EWTO-5500 2.0 * B (N) E S/A 1 EA-6B

Goal. EWTO work-up sortie.

Requirements. IUT a SEAD-3200/3201, EA-3300-3401, ES-3500/3501, or AE-3600/3601 sortie. See MAWTS-1 Course Catalog for additional requirements, performance standards, and guidance.

EWTO-5501 2.0 * B (N) E S/A 1 EA-6B

Goal. EWTO work up sortie.

Requirements. IUT a SEAD-3200/3201, EA-3300-3401, ES-3500/3501, or AE-3600/3601 sortie. See MAWTS-1 Course Catalog for additional requirements, performance standards, and guidance.

EWTO-5502 2.0 * B,R (N) E S/A FS/BS

Goal. EWTO certification sortie.

Requirements. Certify as EWTO on a 3000 event sortie. See MAWTS-1 Course Catalog for additional requirements, performance standards, and guidance.

2.12.7 Instrument Evaluator (IE)

2.12.7.1 Purpose. To designate Instrument Evaluator.

2.12.7.2 General. Instrument evaluators shall be NATOPS qualified aircrew which demonstrate a high degree of ability and familiarity with OPNAV 3710 series, and be nominated by the squadron standardization board.

IE-5600 2.0 * B,R (N) E S FS

Goal. IE certification.

Requirements. With the squadron standardization officer and current Instrument Evaluator, conduct a practice instrument check under instruction from the console of the FS simulator.

Performance standards. Demonstrate knowledge of all applicable instructions and directives.

Prerequisites. INST-6107.

2.12.8 Fleet Replacement Squadron Instructor Pilot (FRS IP). To work-up and certify FRS IP.

SIP-5700 2.0 * B D * S FS

Goal. Simulator Observation.

Requirements. Observe one of SFREW-1241, SFREQ-1242, SFREQ-1343, or SFREQ-1344 events.

SIP-5701 2.0 * B D * S FS

Goal. Simulator Observation.

Requirements. Observe one of SFREQ-1241, SFREQ-1242, SFREQ-1343, or SFREQ-1344 events.

SIP-5702 2.0 * B D * S FS

Goal. Simulator Observation.

Requirements. Observe one of SEAF-1239, or SFEA-1341.

SIP-5703 2.0 * B D * S FS

Goal. Simulator Observation.

Requirements. Observe one of SFEA-1239, or SFEA-1341.

SIP-5704 2.0 * B D * S FS

Goal. Simulator Observation.

Requirements. Observe one of SFREQ-1240 or SFREQ-1342.

AIP-5705 2.0 * B * * * LEC

Goal. Academic Classroom Observation.

Requirements. Observe at least one 0000 level lecture (AIFN or AFAM).

AIP-5706 2.0 * B * * * LEC

Goal. Academic Classroom Observation.

Requirements. Observe at least one 0000 level lecture (ABEW, AAEW, or ATAC).

AIP-5707 4.0 * B * E * EXAM

Goal. NATOPS Open Book Exam.

Requirements. Pass exam per NATOPS Flight Manual.

AIP-5708 2.0 * B * E * EXAM

Goal. NATOPS Closed Book Exam.

Requirements. Pass exam per NATOPS Flight Manual.

SIP-5709 2.0 * B D E S FS

Goal. Aerobatics/Stalls/Spin Simulator.

Requirements. Conduct simulator IAW FRS IUT Guide.

Performance Standards. Per FRS IUT Guide.

SIP-5710 2.0 * B D E S FS

Goal. NATOPS Warm-Up.

Requirements. Conduct simulator IAW NATOPS Flight Manual.

Performance Standards. Per FRS IUT Guide.

Crew. IUT-P/IUT-E (or IE); IUT-I at console.

Prerequisite. SIP-5709.

SIP-5711 2.0 * B D E S FS

Goal. NATOPS Evaluation / CRM Evaluation.

Requirements. Conduct simulator IAW NATOPS Flight Manual.

Performance Standard. Per FRS IUT Guide.

Crew. IUT-P/IUT-E(or IE); IUT-I at console.

Prerequisites. SIP-5710, AIP-5707, AIP-5708.

IP-5712 2.0 * B D E A 1 EA-6B

Goal. Introduce IUT-P to instructional techniques during normal flight characteristics of the EA-6B; instrument scan, unusual attitude recoveries, approaches to stall and landings from ECMO-1 Seat.

Requirement.
- Brief IAW NATOPS.
- Perform aircraft exterior and interior inspections.
- Perform prestart, start and post start procedures.
- Perform taxi procedures.
- Perform takeoff procedures.
- Perform climb-out and enroute procedures.
- Perform S-1 pattern, normal and single engine.
- Perform airstart.
- Perform S-3 pattern, normal and partial panel.
- Introduce unusual attitude recoveries.
- Perform Approach to Stall series.
- Perform descent procedures.
- Perform approaches at the field.
- Non-precision
  - Precision
  - No gyro precision
- Perform departure from field and re-entry for the break.
- Perform pattern work.
- Perform normal landing.
- Perform post-landing procedures.
- Perform engine shutdown and postflight inspection.

Performance Standard. Per FRS IUT Guide.

Crew. IUT-IP / IUT-P.

Prerequisite. SIP-5709.

External Syllabus Support. Special Use Airspace.

IP-5713 2.0 * B D E A 1 EA-6B

Goal. Introduce IUT-P to appropriate instructional techniques during a Familiarization/ Aerobatics flight.

Requirements.
- Brief IAW NATOPS.
- Brief all maneuvers IAW NATOPS, MANEUVERS GUIDE and the MAWTS-1 EA-6B courseware.
- Unusual attitude recoveries.
- Approach to Stall series.
- Performance maneuvers.
- Confidence maneuvers.
- Aerobatics.

Perform approaches.
Normal GCA.
No flap/no slat approach.
Simulated single engine approach.
Perform VFR pattern work.

Performance Standard. Per FRS IUT Guide.

Crew. IUT-P/ IUT-IP.

Prerequisite. IP-5712.

External Syllabus Support. Special Use Airspace.

IP-5714 2.0 * B D E A 2 EA-6B

Goal. Introduce IUT-P to appropriate formation instructional techniques from ECMO-1 Seat.

Requirements. Perform the following IAW NATOPS:
Introduce ground section procedures.
Introduce 10-second interval takeoff.
Introduce a running rendezvous.
Introduce section parade formation.
Introduce section cruise formation.
Introduce crossunders.
Introduce section VFR turns into and away from the wingman.
Introduce breakup and rendezvous - 3 minimum each direction.
Introduce section cruise maneuvering.
Introduce lead change.
Introduce previous items as lead aircraft.
Introduce section approaches.
Introduce section VFR break procedures.

Performance Standard. Per FRS IUT Guide.

Crew. IUT-IP/ IUT-P.

Prerequisite. IP-5712.

External Syllabus Support. Special Use Airspace.

IP-5715 2.0 * B D E A 2 EA-6B

Goal. Introduce IUT-P to appropriate tactical formation instructional techniques.

Requirement.
Discuss standard tactical formations, maneuvering and tactics.
Introduce the following IAW NATOPS, MANEUVERS GUIDE and MAWTS-1 EA-6B courseware:
Interval or section takeoff and rendezvous.
Section combat checks, G-warm and FOD check.
Called and uncalled tactical turns in combat spread above 5000 feet AGL.
NAV turn into/away.
TAC turn into/away.
Cross turn.
In-place turn into/away.
Shackle.

Lead change and repeat combat spread tactical turns.
Fighter Wing maneuvering above 5000 feet AGL.
Lead change and repeat Fighter Wing maneuvering.
Perform at least one NATOPS/SOP section approach procedure as both lead and wing.

Performance Standard. Per FRS IUT Guide.

Crew. IUT-P/IUT-IE.

Prerequisite. IP-5712.

External Syllabus Support. Special Use Airspace.

IP-5716 2.0 * B D E A 1 EA-6B

Goal. Standardization check.

Requirement.
Review all normal procedures IAW NATOPS, SOP and applicable orders and directives.
Brief all applicable maneuvers and procedures IAW NATOPS, MANEUVERS GUIDE and MAWTS-1 EA-6B courseware.

Performance Standard. Per FRS IUT Guide.

Crew. IUT-P/ IUT-IE or IUT-IP.

Prerequisite. SIP-5711, IP-5712/5713/5714/5715.

External Syllabus Support. Approved MTR or applicable SUA.

2.12.9 FRS BASIC AIR MANEUVERS INSTRUCTOR (BAMI). To work-up and certify BAMI.

ABAMI-5730 2.0 * B * * * LEC

Goal. Observe BAM lectures techniques.

Requirements. Observe AFAM-0631 through AFAM-0640

ABAMI-5731 2.0 * B * * * LEC

Goal. Evaluated on BAM Lectures techniques.

Requirements. Instruct AFAM0631 thru AFAM0640.

Prerequisite: ABAMI-5730

SBAMI-5732 2.0 * B * D * S FS

Goal. Learn BAM instruction techniques.

Requirements. Conduct BAM Card in front seat simulator.

Crew: BAMIUT-P/BAM-IE

Performance Standards: Per FRS Maneuvers Guide.

Prerequisite: ABAMI-5731

FBAMI-5733 2.0 * B * D E A 1 EA-6B

Goal. BAM-I check.

Requirements. Conduct BAM Card in EA-6B.

Crew: BAMIUT-P/BAM-IE

Performance Standards: Per FRS Maneuvers Guide.

Prerequisite: SBAMI-5732

2.12.10 FRS Division Lead Instructor Pilot (DIVI). To work-up and certify FRS Division Leads.

FDIVI-5740 2.0 * B D * A 3 EA-6B

Goal. Learn BP Division Lead Techniques.

Requirements. Fly FRS Division flight as dash 3.

Crew. DIVIUT-P/DIVIE

Performance Standards. Per FRS SOP.

FDIVI-5741 2.0 * B D * A 3 EA-6B

Goal. Learn BP Division Lead techniques.

Requirements. Fly FRS Division flight as lead.

Crew. DIVIUT-P/DIVIE.

Performance Standards. Per FRS SOP.

2.12.11 FRS Tank Lead Instructor Pilot (ARI). To work-up and certify FRS Tanking Division Leads.

ARI-5742 2.0 * B D * A 3 EA-6B

Goal. Learn BP Day Tank Lead techniques.

Requirements. Fly Day FRS Tank Division flight as dash 3.

Crew. ARIUT-P/ARIE.

Performance Standards. Per FRS SOP.

Prerequisite. FDIVI-5740.

ARI-5743 2.0 * B N * A 3 EA-6B

Goal. Learn BP Night Tank Lead techniques.

Requirements. Fly Night FRS Tank Division flight as dash 3.

Crew. ARIUT-P/ARIIE

Performance Standards. Per FRS SOP.

Prerequisites. FARI-5742.

2.12.12 Fleet Replacement Squadron Instructor ECMO (FRS IE). To work-up and certify FRS IE.

SIE-5800 2.0 * B D * S FS

Goal. Simulator Observation.

Requirements. Observe one of SFREQ-1241, SFREQ-1242, SFREQ-1343, or SFREQ-1344 events.

SIE-5801 2.0 * B D * S FS

Goal. Simulator Observation.

Requirements. Observe one of SFREQ-1241, SFREQ-1242, SFREQ-1343, or SFREQ-1344 events.

Prerequisites. AIE-5800

SIE-5802 2.0 * B D * S FS

Goal. Simulator Observation.

Requirements. Observe one of SFEA-1239 or SFEA-1341.

SIE-5803 2.0 * B D * S FS

Goal. Simulator Observation.

Requirements. Observe one of SFREQ-1240, or SFREQ-1342.

SIE-5804 2.0 * B D * S FS

Goal. Simulator Observation.

Requirements. Observe one of SFES-1116 thru SFEA-1123.

SIE-5805 2.0 * B D * S FS

Goal. Simulator Observation

Requirements. Observe one of SFES-1116 thru SFEA-1123.

AIE-5806 2.0 * B * * * LEC

Goal. Academic Classroom Observation

Requirements. Observe at least one 0000 level lecture (AIFN or AFAM).

AIE-5807 2.0 * B * * * LEC

Goal. Academic Classroom Observation

Requirements. Observe at least on 0000 level lecture (ABEW, AAEW, or ATAC)

Performance Standard. Per FRS IUT Guide.

AIE-5808 4.0 * B * E * EXAM

Goal. NATOPS Open-Book Exam.

Requirements. Pass exam per NATOPS Flight Manual.

AIE-5809 2.0 * B * E * EXAM

Goal. NATOPS Closed-Book Exam.

Requirements. Pass exam per NATOPS Flight Manual.

SIE-5810 2.0 * B D E S FS

Goal. Aerobatics/ Stalls/ Spin Simulator.

Requirements. Conduct simulator IAW FRS IUT Guide.

Performance Standard. Per FRS IUT Guide.

Crew. IUT-IP/IUT-E

SIE-5811 2.0 * B D E S FS

Goal. NATOPS Warm-up/ CRM Evaluation.

Requirements. Conduct simulator IAW NATOPS Flight Manual.

Performance Standard. Per FRS IUT Guide.

Crew. IUT-P or IP/IUT-E; IUT-I at console.

Prerequisites. SIE-5810

SIE-5812 2.0 * B D E S FS

Goal. NATOPS Evaluation.

Requirements. Conduct simulator IAW NATOPS Flight Manual.

Performance Standard. Per FRS IUT Guide.

Crew. IUT-P or IP/IUT-E; IUT-I at console.

Prerequisites. SIE-5811, AIE-5809, AIP-5810.

IE-5813 2.0 * B D E A 1 EA-6B

Goal. Introduce IUT-E to instructional techniques during normal flight characteristics of the EA-6B; instrument scan, unusual attitude recoveries, approaches to stall and landings from ECMO-1 Seat.

Requirement.
Brief IAW NATOPS.
Perform aircraft exterior and interior inspections.
Perform prestart, start and post start procedures.
Perform taxi procedures.
Perform takeoff procedures.
Perform climb-out and enroute procedures.

Perform S-1 pattern, normal and single engine.
Perform airstart.
Perform S-3 pattern, normal and partial panel.
Introduce unusual attitude recoveries.
Perform Approach to Stall series.
Perform descent procedures.
Perform approaches at the field.
Non-precision
Precision
No gyro precision
Perform departure from field and re-entry for the break.
Perform pattern work.
Perform normal landing.
Perform post-landing procedures.
Perform engine shutdown and postflight inspection.

Performance Standard. Per FRS IUT Guide.

Crew. IUT-IP / IUT-E.

Prerequisite. SIE-5810.

External Syllabus Support. Special Use Airspace.

IE-5814 2.0 * B D E A 1 EA-6B

Goal. Introduce IUT-E to appropriate instructional techniques during a Familiarization/ Aerobatics flight. Introduce IUT-E to instructional techniques during a visual low level navigation flight.

Requirements.
Brief IAW NATOPS.
Brief all maneuvers IAW NATOPS, MANEUVERS GUIDE and the MAWTS-1 EA-6B courseware.
Unusual attitude recoveries.
Approach to Stall series.
Performance maneuvers.
Confidence maneuvers.
Aerobatics.
Perform approaches.
Normal GCA.
No flap/no slat approach.
Simulated single engine approach.
Perform VFR pattern work.
Prepare MTR strip chart with route card.
Introduce the terms: comfort level, terminate and climb to cope.
Perform visual navigation on an approved MTR IAW LAA syllabus.
Introduce low-level navigation using timing and visual references.
Introduce G-warm and FOD check prior to route entry.

Performance Standard. Per FRS IUT Guide.

Crew. IUT-P/ IUT-E.

Prerequisite. IP-5810.

External Syllabus Support. Special Use Airspace and MTR.

IE-5815 2.0 * B D E A 1 EA-6B

Goal. Introduce IUT-E to appropriate tactical formation instructional techniques.

Requirement.
Discuss standard tactical formations, maneuvering and tactics.
Introduce the following IAW NATOPS, MANEUVERS GUIDE and MAWTS EA-6B courseware:
Interval or section takeoff and rendezvous.
Section combat checks, G-warm and FOD check.
Called and uncalled tactical turns in combat spread above 5000 feet AGL.
NAV turn into/away.
TAC turn into/away.
Cross turn.
In-place turn into/away.
Shackle.
Lead change and repeat combat spread tactical turns.
Fighter Wing maneuvering above 5000 feet AGL.
Lead change and repeat Fighter Wing maneuvering.
Perform at least one NATOPS/SOP section approach procedure as both lead and wing.

Performance Standard. Per FRS IUT Guide.

Crew. IUT-IP/IUT-E.

Prerequisite. SIE-5810.

External Syllabus Support. Special Use Airspace.

IE-5816 2.0 * B N E A 2 EA-6B

Goal. Introduce IUT-E to instructional techniques during night section formation procedures and maneuvers.

Requirements. Perform the following IAW NATOPS:
Introduce night ground section procedures.
Introduce a night TACAN rendezvous.
Introduce section parade formation.
Introduce section cruise formation.
Introduce crossunders.
Introduce section IFR turns into and away from the wingman.
Introduce breakup and rendezvous – minimum of 3 each direction.
Introduce lead change.
Introduce previous items as lead aircraft.
Introduce section approaches.
Introduce section night VFR break procedures.

Performance Standard. Per FRS IUT Guide.

Crew. IUT-IP/IUT-E.

Prerequisite. IE-5813, and one of IE-5814 or IE-5815

External Syllabus Support. Special Use Airspace.

IE-5817 2.0 * B D E A 2 EA-6B

Goal. Introduce IUT-E to instructional techniques during section tactical low level navigation, tactical turns and mutual support no lower than 500 feet AGL.

Requirement.
Discuss standard tactical formations, maneuvering and tactics at low altitude.
Perform section visual navigation on an approved MTR IAW LAA syllabus.
Introduce the following IAW NATOPS, MANEUVERS GUIDE and MAWTS-1 EA-6B courseware:
Interval or section takeoff and rendezvous.
Section combat checks, G-warm and FOD check.
Called and uncalled tactical turns in combat spread above 500 feet AGL.
NAV turn into/away.
TAC turn into/away.
Cross turn.
In-place turn into/away.
Shackle.
Fighter Wing maneuvering above 500 feet AGL.
Perform at least one NATOPS/SOP section approach procedure as both lead and wing.

Performance Standard. Per FRS IUT Guide.

Crew. IUT-IP/IUT-E.

Prerequisite. IE-5814, IE-5815.

External Syllabus Support. Approved MTR.

IE-5818 2.0 * B D E A 1 EA-6B

Goal. Observe early BP flight (FFAM-1252 through FFAM-1256) from the backseat.

Requirement. Observe instructional techniques during the early BP events.

Performance Standard. Per FRS IUT Guide.

Crew. BP/ IP/ IUT-E.

IE-5819 2.0 * B D E A 1 EA-6B

Goal. Observe BP during Low Level, BAM, or form flight from the backseat.

Requirement. Observe instructional techniques during the early BP events.

Performance Standard. Per FRS IUT Guide.

Crew. BP/ IP/ IUT-E.

IE-5820 2.0 * B (N) E A 1 EA-6B

Goal. Observe BP during Low Level, BAM, or form flight from the backseat.

Requirement. Observe instructional techniques during the early BP events.

Performance Standard. Per FRS IUT Guide.

Crew. BP/ IP/ IUT-E.

IE-5821 2.0 * B (N) E A 1 EA-6B

Goal. Standardization check.

Requirement.
Review all normal procedures IAW NATOPS, SOP and applicable orders and directives.
Brief all applicable maneuvers and procedures IAW NATOPS, MANEUVERS GUIDE and MAWTS-1 EA-6B courseware.

Performance Standard. Per FRS IUT Guide.

Crew. IUT-IP/ IUT-E.

Prerequisite. SIE-5812, IE-5813 thru IE-5820.

External Syllabus Support. Approved MTR or applicable SUA.

2.12.13 FRS BASIC AIR MANEUVERS INSTRUCTOR (BAMI). To work-up and certify BAMI.

ABAMI-5830 2.0 * B * * * LEC

Goal. Observe BAM lectures techniques.

Requirements. Observe AFAM-0631 through AFAM-0640

ABAMI-5831 2.0 * B * * * LEC

Goal. Evaluated on BAM Lectures techniques.

Requirements. Instruct AFAM0631 thru AFAM0640.

Prerequisite: ABAMI-5830

SBAMI-5832 2.0 * B * D * S FS

Goal. Learn BAM instruction techniques.

Requirements. Conduct BAM Card in front seat simulator.

Crew: BAM-IP/IUT-IE.

Performance Standards: Per FRS Maneuvers Guide.

Prerequisite: ABAMI-5831

FBAMI-5833 2.0 * B * D E A 1 EA-6B

Goal. BAM-I check.

Requirements. Conduct BAM Card in EA-6B.

Crew: BAM-IP/IUT-IE

Performance Standards: Per FRS Maneuvers Guide.

Prerequisite: SBAMI-5832

2.12.14 FRS Division Instructor ECMO (DIVI). To work-up and certify FRS ECMO Division Instructors.

FDIVI-5841 2.0 * B D * A 3 EA-6B

Goal. Learn FRS basic Division Flying techniques.

Requirements. Fly FRS Division flight as Lead ECMO-1.

Crew. DIVI/DIVIUT-E

Performance Standards. Per FRS SOP.

2.12.15 FRS Tank Instructor ECMO (ARIE). To work-up and certify FRS Tanking Instructor ECMO.

ARIE-5842 2.0 * B D * A 3 EA-6B

Goal. Learn BP Day Tanking Instructor techniques.

Requirements. Fly Day FRS Tank Division flight in backseat of BP.

Performance Standards: Per FRS SOP.

ARIE-5843 2.0 * B N * A 3 EA-6B

Goal. Learn BP Night Tanking Instructor techniques.

Requirements. Fly Night FRS Tank Division flight in backseat of BP.

Performance Standards: Per FRS SOP.

Prerequisite: ARIE-5843

2.12.16 Expeditionary Airfield Instructor (EAFI). To work-up and certify EAFI.

AEAFI-5850 2.0 * B * E * LEC

Goal. Academic Lecture.
Requirements. Participate in AFAM-0621.

AEAFI-5851 2.0 * B * E * LEC

Goal. Academic Lecture.

Requirements. Participate in AFAM-0622.

AEAFI-5852 2.0 * B * E * LEC

Goal. Academic Lecture.

Requirements. Participate in AFAM-0623.

AEAFI-5853 2.0 * B * E * LEC

Goal. Academic Lecture.

Requirements. Participate in AFAM-0624.

AEAFI-5854 2.0 * B * E * LEC

Goal. Academic Lecture.

Requirements. Participate in AFAM-0625.

AEAFI-5855 2.0 * B * E * LEC

Goal. Academic Lecture.

Requirements. Participate in AFAM-0626.

AEAFI-5856 2.0 * B * E * LEC

Goal. Academic Lecture.

Requirements. Participate in AFAM-0627.

AEAFI-5857 2.0 * B * E * LEC

Goal. Academic Lecture.

Requirements. Participate in AFAM-0628.

AEAFI-5858 2.0 * B * E * LEC

Goal. Academic Lecture.

Requirements. LSO chalk talk.

SEAFI-5859 2.0 * B D E S FS

Goal. EAFI work-up.

Requirements. Execute a SFEAF-1244.

Performance Standards. Per FRS Instructor Guide.

EAFI-5861 1.5 * B D E A 1 EA-6B

Goal. EAFI work-up.

Requirements. Execute a FFCLP-1280.

Performance Standards. Per FRS Instructor Guide.

EAFI-5862 1.5 * B N* E A 1 EA-6B

Goal. EAFI work-up.

Requirements. Execute a FFCLP-1281.

Performance Standards. Per FRS Instructor Guide.

EAFI-5863 1.5 * B D E A 1 EA-6B

Goal. EAFI work-up.

Requirements. Execute a FEAF-1282.

Performance Standards. Per FRS Instructor Guide.

EAFI-5864 1.5 * B D E A 1 EA-6B

Goal. EAFI work-up.

Requirements. Execute a FEAF-1283.

Performance Standards. Per FRS Instructor Guide.

2.12.17 Contract Instructor (CI). To work-up and certify CI.

ACI-5900 2.0 * * * * * LEC

Goal. Academic Observation.

Requirements. Observe 0000 level (AIFN or AFAM) lecture.

ACI-5901 2.0 * * * * * LEC

Goal. Academic Observation.

Requirements. Observe 0000 level (ABEW or AAEW) lecture.

ACI-5902 2.0 * * * E * LEC

Goal. Academic Instruction.

Requirements. Instruct a 0000 level (AIFN or AFAM) lecture.

ACI-5903 2.0 * * * E * LEC

Goal. Academic Instruction.

Requirements. Instruct a 0000 level (ABEW or AAEW) lecture.

SCI-5904 2.0 * * D * S BS

Goal. CI work-up.

Requirements. Observe a SFEW (1101-1112) simulator.

Performance Standards. Per FRS Instructor Guide.

SCI-5905 2.0 * * D * S BS

Goal. CI work-up.

Requirements. Observe a SFES/SFOAS/SFTFS/SFAAW (1113-1124) simulator.

Performance Standards. Per FRS Instructor Guide.

SCI-5906 2.0 * * D E S BS

Goal. CI work-up.

Requirements. Instruct a SFEW (1101-1112) simulator.

Performance Standards. Per FRS Instructor Guide.

SCI-5907 2.0 * * D E S BS

Goal. CI work-up.

Requirements. Instruct a SFES/SFOAS/SFTFS/SFAAW (1113-1124) simulator.

Performance Standards. Per FRS Instructor Guide.

SCI-5908 2.0 * * D * S FS

Goal. CI work-up.

Requirements. Observe a SFAM-1231/1331 to 1234/1335.

Performance Standards. Per FRS Instructor Guide.

SCI-5909 2.0 * * D * S FS

Goal. CI work-up.

Requirements. Observe a SFEP-1236/1336 to 1238/1338.

SCI-5910 2.0 * * D E S FS

Goal. CI work-up.

Requirements. Instruct a SFAM-1231/1331 to 1234/1335.

Performance Standards. Per FRS Instructor Guide.

SCI-5911 2.0 * * D E S FS

Goal. CI work-up.

Requirements. Instruct a SFEP-1236/1336 to 1238/1338.

Performance Standards. Per FRS Instructor Guide.

2.13 REQUIREMENTS, QUALIFICATIONS, AND DESIGNATIONS (RQD) PHASE(6000)

2.13.1 General. This phase contains requirement and designation codes and events designed to facilitate training management. This level also provides community standardization for combat leadership designation.

2.13.2 RQD Phase Stages

Par	Stage
2.13.3	Requirements
2.13.3	Designation
2.13.4	Tracking

2.13.3 Requirements

2.13.3.1 Purpose. To track requirements as outlined in NATOPS AND OPNAVINST 3710.7.

2.13.3.2 General. This section allows squadrons to document and track annual NATOPS, Instrument, and CRM check flights.

2.13.3.3 Crew Requirements. All checks will be conducted per applicable directives. NATOPS front seat and back seat, Instrument, and CRM checks may be accomplished in the trainer or the aircraft. ECMOs shall complete Instrument and front-seat NATOPS checks in the front seat only.

2.13.3.4 Academic Training. Per applicable publications, directives, and courseware.

2.13.3.5 EA-6B NATOPS Evaluation POI

(1) Purpose. To evaluate the airman's knowledge of aircraft systems, performance limitations, emergency procedures, flight operations, and ground operations.

(2) General

(a) NATOPS Evaluators/Instructors shall conduct the NATOPS evaluation in accordance with OPNAVINST 3710.7 series and other applicable directives, instructions, and orders.

(b) The NATOPS Evaluator shall utilize the NATOPS Model Manager generated NATOPS Aviation Training Form (ATF) and the evaluation metrics required for the accomplishment and performance of the standardized criterion to determine whether the aircrewman completed the sortie. Prior to the Oral Examination, the NATOPS Evaluator shall review the Evaluee's NATOPS monthly emergency procedures examinations and quarterly simulator/cockpit-cabin drills located in the APR for the previous twelve months and previous NATOPS evaluations. At the discretion of the squadron commanding officer, a letter designating the pilot/ECMO as NATOPS qualified shall be placed in the NATOPS jacket and APR.

(c) NATOPS Evaluees shall complete and have a graded Open Book, Closed Book, and Oral Examination prior to the commencement of the actual NATOPS evaluation event.

(3) NATOPS Training. All requirements delineated in the matrix below shall be completed/graded prior to the evaluation event.

SELF PACED READINGS		DATE COMP
APPLICABLE SOP		
EA-6B NATOPS Flight Manual		
OPNAVINST 3710.7 Series		
REQUIRED Evaluation Events	**DATE COMP/GRADED**	**INSTRUCTOR**
EA-6B Open Book Examination		
EA-6B Closed Book Examination		
EA-6B Oral Examination		
EA-6B Evaluation (Simulator/ Aircraft)		

NTPS-6100 3.0 365 B,R,M * E * Exam

Goal. Complete appropriate open book NATOPS exam. The purpose of the open book examination portion of the written examination is to evaluate the airman's knowledge of the appropriate publications and the aircraft.

Requirements. Utilize current NATOPS Manual and Pocket Checklist (PCL), and OPNAVINST 3710 series.

Performance Standards. Achieve a minimum score of qualified.

NTPS-6101 3.0 365 B,R,M * E * Exam

Goal. Complete closed book NATOPS exam. The purpose of the closed book examination portion of the written examination is to evaluate the airman's knowledge of normal/emergency procedures and aircraft limitations.

Performance Standards. Achieve a minimum score of qualified.

NTPS-6102 3.0 365 B,R,M * E * Exam

Goal. The oral exam shall consist of, but not be limited to the question bank. The instructor/evaluator may draw upon their experience to propose questions of a direct and positive manner and in no way be opinionated to evaluate the airman's knowledge of normal/emergency procedures, aircraft limitations, and performance.

Performance Standards.
Achieve a minimum grade of qualified on the oral examination.

NTPS-6103 2.0 365 B,R,M (N) E S/A FS

Goal. Conduct an objective evaluation of the crew member's knowledge of mission planning, briefing, normal operating procedures (flight and ground), crew resource management, aircraft systems, performance criteria, emergency procedures, and debriefing. The focus is on normal and emergency procedures, not tactical execution. Emphasis shall be placed on the aforementioned items with the addition of local SOP, local course rules, and admin flight procedures. The NATOPS evaluation is intended to evaluate compliance with NATOPS procedures. The NATOPS evaluation is the means to measure the crewmember's efficiency in the execution of normal operating procedures and reaction to emergencies and malfunctions. The NATOPS evaluation

process should be as much a learning tool and/or experience as it is an evaluation.

Requirements. Demonstrate comprehensive knowledge and understanding of NATOPS, local SOP, and local course rules. The evaluee shall accomplish the following criterion:

Brief/Debrief IAW NATOPS and SOP.

Upon successful completion of this event, the evaluator shall log the appropriate training code for tracking purposes.

Performance Standards.
Executes flight and/or ground operations safely IAW OPNAV 3710.7 Series, EA-6B NATOPS, NATOPS Instrument Flight Manual, and training rules. Complies with local SOP and course rules.

Crew. Evaluated pilot/ECMO, non-evaluated pilot/ECMO. NATOPSE, NATOPSI, or ANI at console.

Prerequisite. Successful completion with a grade of qualified on NTPS-6100(Open Book Exam), NTPS-6101(Closed Book Exam), and NTPS-6102(Oral Exam).

External Syllabus Support. OFT (If simulator is used).

2.13.3.6 NATOPS Instrument Evaluation POI

2.13.3.7 Purpose. To evaluate the airman's knowledge of instrument procedures per OPNAVINST 3710 series.

2.13.3.8 General

(1) Instrument Evaluators shall conduct the Instrument evaluation in accordance with OPNAVINST 3710.7 series and other applicable directives, instructions, and orders.

(2) The Instrument Evaluator shall utilize the instrument check form (OPNAV 3710/2) and the evaluation metrics required for the accomplishment and performance of the standardized criterion to determine whether the aircrew completed the sortie. Prior to the Oral Examination, the Instrument Evaluator shall review the evaluee's Instrument written examination score and minimum instrument requirements as defined by OPNAVINST 3710. At the discretion of the squadron commanding officer, a letter designating the pilot/ECMO as Instrument qualified shall be placed in the NATOPS jacket and APR.

INST-6104	3.0	365	B,R,M	*	E	*	Exam

Goal. The Open Book Instrument Examination shall consist of, but not be limited to the question bank. The open book instrument examination in addition to any subject listed for coverage in OPNAVINST 3710.7 series, the examination shall include questions on the following subjects:

Requirements.
Review:
Pertinent Navy or Marine Corps regulations, orders, and instructions.

Pertinent parts of the Federal Aviation Regulations (FAR), other regulations, and/or aeronautical publications which are applicable.
Interpretation of weather information normally used in flight planning.

Performance Standards.
Achieve a minimum grade of qualified on the Open Book examination.

INST-6105	1.0	365	B,R,M	*	E	*	Exam

Goal. The Oral shall consist of, but not be limited to the question bank. The instructor/evaluator may draw upon their experience to propose questions of a direct and positive manner and in no way be opinionated to evaluate the crewmember's knowledge of the NATOPS, NATOPS Instrument Flight Manual, FAR/AIM and/or aeronautical publications which are applicable, normal/emergency instrument ground and flight procedures, weather, aircraft limitations, and performance.

Performance Standards.
Achieve a minimum grade of qualified on the Oral examination.

INST-6106	8.0	365	B,R,M	*	E	*	LEC

Goal. The Instrument Ground School shall be an approved Commander Naval Air Forces (CNAF) approved syllabus and at a minimum cover the following topics:

Requirements.
Discuss:
Spatial disorientation.
CNO GPS Policy Statement and GPS fundamentals to include RNAV (GPS) and Required Navigation Performance (RNP).
Use of non-DoD instrument approach/departure reports.

Performance standards.
Achieve a minimum grade of qualified for Instrument Ground School which also encompasses the Open Book and Oral examinations.

INST-6107	2.0	365	B,R,M	(N)	E	S/A	FS

Goal. Following completion of the ground evaluation events, an instrument simulator/flight evaluation event shall be flown and completed with a grade of "Qualified." Conduct an objective evaluation of the crewmember's knowledge of flight planning, filing, briefing, conduct of flight under normal operating conditions, emergency procedures, closing out flight plans, and debriefing.

Requirements. Should be flown in the simulator, may be flown in the aircraft. Upon successful completion of these events, the evaluator shall log the appropriate training code for tracking purposes.

Performance Standards.
Executes flight and/or ground operations safely IAW OPNAV 3710.7 Series, Platform NATOPS, NATOPS Instrument Flight Manual, and training rules. All areas on the instrument flight evaluation are critical. An "Unsatisfactory" grade in any area shall result in an "Unsatisfactory" grade for the flight.

Prerequisite. Successful completion with a grade of qualified on INST-6105(Open Book Exam), INST-6106(Oral Exam), and INST-6107(Instrument Ground School (IGS)).

External Syllabus Support. OFT (If simulator is used).

CRM-6108 2.0 365 B,R,M (N) E S/A FS

Goal. Evaluate the knowledge of and adherence to standard CRM.

Requirements. Requirements will be delineated by the selected CRM scenario. May be flown in conjunction with the front seat NATOPS check or any other event deemed acceptable by the instructor/facilitator.

Performance standards. Per CRM course objectives.

Crew. Evaluated crewmember and CRM Instructor or Facilitator.

Prerequisites. Applicable CRM courseware.

REQ-6109 2.0 365 B,R,M (ECMO Only) (N) E S/A BS

Goal. Backseat standardization check.

Requirements. Demonstrate comprehensive knowledge and understanding of WSOM and EA-6B Weapons Systems. The evaluee shall accomplish the following criterion:

Initialization
- IPL/Program Load
- RCDR
- Mission Planning
- LIBSUM
- Libraries
- Link-16/MIDS
- MATT
- Reactive Assignment Zones
- Exciter Ground Power

Operation
- FREQ-AZ
- GEO/Route/Circ/Display
- Target/Route/Emitter Hook
- Receiver Slews
- Alarms
- Link-16/MIDS
- MATT
- Pulse Modes

Jammer Assignments
- Phase PA
- PA/DA/AA
- Expanded Jammers
- MATT PA
- Jammer Status
- Reactive Assignments
- Adjustments
- USQ-113

HARM
- PB/RK/RU
- Target Harm
- Emitter Harm

Elint/HCODE
TGTRNG/Acq Range/Geo Range
Create
ABL
Degraded Systems
TDS Failure
Nav Only Light
Power Loss
Attitude Limit
Pod Reset
Program/Load Fail
Exciter Failure
Source Failure
Antenna Failure
DSMU Power Failure

Performance Standards. ECMO performs backseat procedures IAW EA-6B NATOPS and WSOM.

Crew. Evaluated Crewmember (ECMO 2 or 3) and NATOPS Instructor or Assistant NATOPS Instructor.

REQ-6110 2.0 365 CI(M) * E S FS/BS

Goal. CI standardization check.

Requirements. Set forth in applicable directives.

Performance Standards. Per applicable directives.

2.13.4 Designation

2.13.4.1 Purpose. This section enables squadrons to document and track the workup and designation for flight leaders.

2.13.4.2 General. Flight leadership designations include Section Lead, Division Lead, and Mission Commander. All work-up codes for a specific designation must be complete prior to the check flight.

(1) Flight leadership POIs shall ensure aircrew are trained and evaluated in the skills and missions that the aircrew are expected to lead once designated. The flight leadership POI may be administered by a current, designated flight lead of the same or higher qualification. At a minimum, a Flight Leadership Standardization Evaluator (FLSE) from outside the squadron shall certify a flight lead event from the latter portion of the syllabus. If during that event, performance is determined 'unsatisfactory,' it must be rescheduled and successfully completed.

(2) FLSE certification of prospective flight leaders for deployed units or locations where a FLSE from a different unit is not available to conduct the certification may be conducted by an internal FLSE with MAG/MAGTF Commander approval.

(3) Flight leadership re-designation criteria for aircrew that do not require Core Skill Introduction Refresher training is at the discretion of the commanding officer. For aircrew that require Core Skill Introduction Refresher training, the minimum re-designation requirement for flight leader positions is

successful completion of the respective flight leader POI check event (R-coded).

(4) Designated flight leaders shall log the applicable hours in the Flight Leadership Currency Page in MSHARP after flying an event as the respective flight lead. Flight leadership currency intervals reflect the maximum time where a flight lead is expected to maintain an acceptable level of proficiency. A delinquent status does not result in the loss of the flight leadership designation, but is intended to be used as a tool for ORM and training management purposes. If delinquent, the flight lead can regain currency by completing any applicable T&R event with a current, designated flight lead. The table below summarizes flight leadership proficiency intervals.

Flight Lead Designation	Currency Interval
Section Leader	180 days
Division Leader	365 days
Mission Commander	180 days

2.13.4.3 Crew Requirements. Per the applicable POI and designation syllabus.

2.13.4.4 Academic Training. Per the applicable POI and designation syllabus.

2.13.4.5 Section Lead POI

(1) Purpose. To prepare and evaluate the prospective section lead's ability to plan, brief and execute an event as a section leader.

(2) General

(a) Prospective section leads shall conduct the following day and night workup sorties in order to develop the prospective section lead's flight leadership. Section Lead Under Training (SLUT) events shall be evaluated by a designated section lead or higher. Squadrons are encouraged to have other squadron Section Leads evaluate a selection of SLUT events. By doing so, a greater level of standardization can be maintained. At a minimum, one SLUT event shall be conducted by an external FLSE. This event will be from the latter portion of the syllabus.

(b) The section lead evaluator will use the sortie requirement accomplishment criterion to determine whether the prospective section lead completed the sortie. The prospective section lead will use the performance standards to debrief the flight. Completion of the SLUT syllabus meets the requirements for designation as section leader; however, squadron commanders may apply additional requirements. At the discretion of the squadron commanding officer, a letter designating the pilot as section leader shall be placed in the NATOPS jacket and Aircrew Performance Record (APR). Appropriate designation will be annotated in M-SHARP by the squadron operations officer.

(c) Section Lead Prerequisites. First-tour aviators with no previous tactical jet qualifications require a minimum of 500

total hours as Pilot in Command and a minimum of 250 EA-6B hours. Aviators with previous tactical jet qualifications require a minimum of 500 total hours as Pilot in Command and a minimum of 150 EA-6B hours.

(d) Prospective section leads shall be Formation Core Skill complete and Night Systems Qualified prior to beginning the section lead syllabus (SL 6200-6207).

(e) The prospective section lead shall complete a day FORM-2200/2201/2202, and an NS-2302.

(f) The prospective section lead shall also lead a section through air refueling day and night, aided or unaided.

(3) Crew Requirements. Section Lead training events require a designated Section Lead in the flight. The designated Section Lead shall evaluate the Section Lead Under Training (SLUT).

(4) Ground/Academic Training. Refer to the standardized academic training matrix below.

EA-6B SECTION LEAD UNDER TRAINING TRACKING FORM		
SELF PACED READINGS		**DATE COMP**
OPNAVINST 3710.7, CH 5, FORMATION FLYING		
MAW FLIGHT SOP		
EA-6B MAG-14 SOP		
NATOPS AIR-AIR REFUELING MANUAL, CH 1, 2, 4, 7		
EA-6B NATOPS, CH 9		
LOCAL AREA COURSE RULES/AIRFIELD OPS SOP		
HAND-ARM SIGNALS, NAVAIR 00-80T-113		
REQUIRED CHALK TALKS	**DATE COMP**	**INSTRUCTOR**
EA-6B SECTION FORMATION PROCEDURES		
FORMATION HAND-ARM SIGNALS, REF EA-6B NATOPS, CH 9 AND NAVAIR 00-80T-113		
SECTION EMERGENCIES		
AERIAL REFUELING TECHNIQUES		
REQUIRED LECTURES	**DATE COMP**	**INSTRUCTOR**
MAWTS-1 COURSEWARE (SECTION FORMATION PROCEDURES)		
LOW ALTITUDE NAVIGATION LECTURE		
AERIAL REFUELING LECTURE		
EA-6B ICAP III ES TACTICS LECTURE		
EA-6B ICAP III EA TACTICS LECTURE		
ADMINISTRATIVE FLIGHT REQ.	**DATE COMP**	**INSTRUCTOR**
LEAD A SECTION OVERHEAD DAY #1		
LEAD A SECTION OVERHEAD DAY #2		
LEAD A SECTION OVERHEAD NIGHT #1		
LEAD A SECTION OVERHEAD NIGHT #2		
LEAD A SECTION APPROACH (LEAD LOW APPROACH/WING TOUCH-AND-GO) #1		
LEAD A SECTION APPROACH (LEAD LOW APPROACH/WING TOUCH-AND-GO) #2		
LEAD A SECTION APPROACH (SECTION WAVEOFF) #1		
LEAD A SECTION APPROACH (SECTION WAVEOFF) #2		
LEAD A SECTION GO TAKEOFF #1		
LEAD A SECTION GO TAKEOFF #2		
LEAD A SECTION INTERVAL TAKEOFF #1		
LEAD A SECTION INTERVAL TAKEOFF #2		
LEAD A SECTION SPEED SPLIT VISUAL APPROACH		
CONDUCT UNAIDED B&R AS LEAD AND WING		
CONDUCT UNAIDED APPROACH AS LEAD AND WING		
MISCELLANEOUS ITEMS		**DATE COMP**
COMPLETE OPEN BOOK SECTION LEAD EXAM		

SL-6200 2.0 * B (N) E A 2 EA-6B

Goal. Lead a flight demonstrating proficiency in basic section procedures and maneuvers. Emphasize knowledge of NATOPS, applicable SOP, local area course rules, and admin flight procedures. Can be flown day or night. Initial event shall be conducted during the day.

Requirements.

Discuss:

Formation terms, visual signals, and definitions.

Perform:

Interval or section go takeoff and rendezvous.
Parade, Cruise, Fighter Wing, Deployed Echelon, Combat Spread (If flown at night, Fighter Wing, Deployed Echelon, and Combat Spread shall not be flown).
Lead changes.
1 NATOPS TACAN rendezvous for each aircraft.
2 NATOPS Break-up and rendezvous for each aircraft - one left, one right.
Under Run.
Section approach to low approach/touch and go.
Section approach to section waveoff.
Properly brief weather considerations, contingencies, and rendezvous, fallout, and recovery plans.
Debrief the flight to include: planning, pre-flight brief, and flight execution. Accurately recall and reconstruct each maneuver using white board and models as applicable.

Performance Standards.
Demonstrates understanding of proper formation terms, visual signals, and definitions.
Performs all maneuvers per NATOPS and applicable MAWTS-1 courseware.
Adheres to applicable SOP.
Maintains proper formation and visual mutual support.
Demonstrates proper briefing techniques, model usage, and understands section emergency procedures and considerations.
Maintains situational awareness of wingman, to include: aircraft positioning (taxi, marshal, and flight), conduct of maneuvers, fuel state, altitude, weather, etc.
Demonstrates proper flight radio communications IAW applicable flight SOP.
Follows training rules and maneuvers aircraft per the brief.
Conducts safe rendezvous.
If flown at night, SLUT demonstrates understanding of night unaided formation flight, aircraft lighting considerations and EA-6B light triangle, proper deconfliction (altitude/airspace), and proper briefing techniques.

Crew. SLUT Pilot in lead aircraft, Section Lead in wing aircraft.

Prerequisites. See SL stage description.

External Support. Special Use Airspace.

SL-6201 2.0 * B D E A 2 EA-6B

Goal. Lead a flight demonstrating proficiency in section tactical navigation, tactical turns, and mutual support. Emphasize section tactical maneuvers, safety, training rules, control of flight, and area/air-space management.

Requirements.

Discuss:

Standard tactical formations, maneuvering, tactical formation assumptions, common definitions, and section tactics.

Perform:

Interval or section go takeoff and rendezvous.
Section combat checks, G warm-up, and FOD check.
Called and uncalled tactical turns in combat spread above 5,000 feet AGL.
NAV turns into/away.
TAC turns into/away.
Shackle turn.
Cross turn.
In-place turns into/away.
Lead change and repeat combat spread tactical turns.
Fighter Wing and Deployed Echelon maneuvering above 5,000 feet AGL.
Lead change and repeat Fighter Wing and Deployed Echelon maneuvering.
Perform at least one NATOPS/unit SOP section approach/missed approach procedure.
Properly brief weather considerations, contingencies, and rendezvous, fallout, and recovery plans.
Debrief the flight to include: planning, pre-flight brief, and flight execution. Accurately recall and reconstruct each maneuver using white board and models as applicable.

Performance Standards.
Demonstrates understanding of proper formation terms, visual signals, tactical formation assumptions, and definitions.
Performs all maneuvers per NATOPS and applicable MAWTS-1 courseware.
Adheres to applicable SOP.
Maintains proper formation and visual mutual support.
Demonstrates proper briefing techniques, model usage, and understands section emergency procedures and considerations.
Maintains situational awareness of wingman, to include: aircraft positioning (ground taxi, marshal, and flight), conduct of maneuvers, fuel state, altitude, weather, etc.
Demonstrates proper flight communications IAW applicable flight SOP.
Demonstrates knowledge and understanding of standard tactical formations, maneuvering, and tactics.
Demonstrates directive control of section to manage set-ups, airspace, and deconfliction.
Executes Combat Checklist, G-Warm, and FOD check for flight.
Follows training rules and maneuvers aircraft per the brief.
Conducts safe rendezvous.

Crew. SLUT Pilot in lead aircraft, Section Lead in wing aircraft.

Prerequisites. SL-6200. Formation Core Skills complete (FORM-2200, 2201, 2202). Night Systems Qualified.

External Support. Special Use Airspace >5,000 AGL.

SL-6202 2.0 * B D E A 2 EA-6B

Goal. Lead a flight demonstrating proficiency in section tactical navigation, tactical turns, and mutual support no lower than 500 feet AGL. Emphasize section tactical maneuvers in a low altitude environment, terrain avoidance and low altitude considerations, safety, training rules, control of flight, and MTR structure adherence.

Requirements.

Discuss:

Tactical formations, maneuvering, tactical formation assumptions, common definitions, and tactics at low altitude.

Perform:

Section go takeoff or interval takeoff and rendezvous.
Section combat checks, G warm-up, and FOD check.
Section low altitude tactical navigation, tactical maneuvering, and mutual support.
Combat spread and fighter wing.
Lead exchange during low altitude portion(optional).
Perform at least one NATOPS/MAG-14 SOP section approach/missed approach procedure.
Properly brief weather considerations, contingencies, and rendezvous, fallout, and recovery plans.
Debrief the flight to include: planning, pre-flight brief, and flight execution. Accurately recall and reconstruct each maneuver using white board and models as applicable.

Performance Standards.
Demonstrates understanding of proper formation terms, visual signals, tactical formation assumptions, and definitions.
Performs all maneuvers per NATOPS and applicable MAWTS-1 courseware.
Adheres to applicable SOP.
Maintains proper formation and visual mutual support.
Demonstrates proper briefing techniques, model usage, and understands section emergency procedures and considerations.
Maintains situational awareness of wingman, to include: aircraft positioning (ground taxi, marshal, and flight), conduct of maneuvers, fuel state, altitude, weather, etc.
Demonstrates proper flight communications IAW applicable flight SOP.
Demonstrates knowledge and understanding of standard low altitude tactical formations, maneuvering, and tactics.
Demonstrates directive control of section to manage terrain clearance tasking, mission critical tasking, low altitude navigation, and aircraft deconfliction.
Executes Combat Checklist, G-Warm, and FOD check for flight.
Follows training rules and maneuvers aircraft per the brief.
Conducts safe rendezvous.

Crew. SLUT Pilot in lead aircraft, Section Lead in wing aircraft.

Prerequisites. SL-6201. Formation Core Skills complete (FORM-2200, 2201, 2202). Night Systems Qualified.

External Support. Approved MTR.

SL-6203 2.0 * B NS E A 2 EA-6B

Goal. Lead a night flight demonstrating proficiency in section formation flying with the aid of NVDs. The goal of this flight is not to evaluate the SLUTs abilities or talents as a prospective NSI. This sortie is not an NS syllabus event, and should not be combined with, or otherwise included in any NS specific events for other aircrew under instruction for NS qualification. Specific ORM is required to ensure this flight is executed in a safe and effective manner.

Requirements.

Discuss

NVD use in formation flight and low altitude navigation.
Night aided admin formation(s) enroute and in the working area.

Introduce:

Goggle admin formation(s) enroute and in the working area.
Tactical section maneuvering per MAWTS-1 courseware and NS Guide above 5,000' AGL.
Interval takeoff and rendezvous.
Parade, Cruise, Fighter Wing, and Deployed Echelon formations.
Lead Changes, as appropriate.
1 NATOPS TACAN rendezvous for each aircraft.
2 NATOPS Break-up and rendezvous for each aircraft - one left, one right.
G-warm, Fighter Wing, and Deployed Echelon maneuvering above 5000 feet AGL.
Lead change and repeat Fighter Wing and Deployed Echelon maneuvering.
Tactical section maneuvering and navigation at low altitude (NLT 1,000' AGL) on an appropriate MTR or other approved training route.
Fighter Wing and Deployed Echelon
Various combinations of external light options and range cues.
Perform at least one NATOPS/unit SOP section approach/missed approach procedure.
Brief and demonstrate various combinations of external light options and range cues.
Properly brief weather considerations, contingencies, and rendezvous, fallout, and recovery plans.
Debrief the flight to include: planning, pre-flight brief, and flight execution. Accurately recall and reconstruct each maneuver using white board and models as applicable.

Performance Standards.

Demonstrates understanding of proper formation terms, visual/light signals, aided night formation flight, and definitions.
Performs all maneuvers per NATOPS and applicable MAWTS-1 EA-6B courseware as section lead.
Adheres to applicable SOP.
Maintains proper formation and visual mutual support.
Maintains sight of lead.
Demonstrates proper briefing techniques, model usage, and understands section emergency procedures and considerations.
Maintains situational awareness of wingman, to include: aircraft positioning (ground taxi, marshal, and flight), conduct of maneuvers, fuel state, altitude, weather, etc.
Demonstrates proper flight communications IAW applicable flight SOP.
Demonstrates knowledge and understanding of low altitude tactical formations, maneuvering, and tactics during night.

Demonstrates directive control of section to manage terrain clearance tasking, mission critical tasking, low altitude navigation, and aircraft deconfliction.
Executes G-Warm for flight.
Follows training rules and maneuvers aircraft per the brief.
Conducts safe rendezvous.
Demonstrates safe and effective use of aircraft lighting and night vision devices (as applicable).

Crew. SLUT Pilot in lead aircraft, Section Lead in wing aircraft. All front seat aircrew must be NS qualified. Non-NSQ EA-6B aircrew who complete the prescribed NVD ground training may wear NVDs in the helmet-mounted mode in either ECMO 2 or ECMO 3 positions.

Prerequisites. SL-6202. Formation Core Skills complete (FORM-2200, 2201, 2202). Night Systems Qualified.

External Support. Special Use Airspace and Approved MTR.

SL-6204 1.0 * B D E A 2 EA-6B

Goal. Lead a flight demonstrating proficiency in section air refueling during the day. This event may be logged in conjunction with any day SLUT event. Any approved aerial refueling aircraft may be used.

Requirements.

Discuss:

Section air refueling flight during the day.

Perform:

Air refueling procedures, tanker emergencies and considerations.
Properly brief lost communications and lost sight procedures, particularly with regards to the tanker.
Each aircraft shall complete one plug to demonstrate proficiency.
Properly brief weather considerations, contingencies, and rendezvous, fallout, and recovery plans.
Debrief the flight to include: planning, pre-flight brief, and flight execution. Accurately recall and reconstruct each maneuver using white board and models as applicable.

Performance Standards.
Demonstrates understanding of proper formation terms, visual signals, aerial refueling procedures, and definitions.
Performs all maneuvers per NATOPS and applicable MAWTS-1 EA-6B courseware as section lead.
Adheres to applicable SOP.
Maintains proper formation during tanker rendezvous, while joined/refueling, and during departure from tanker.
Demonstrates proper briefing techniques, model usage, and understands section/tanker emergency procedures and considerations.
Maintains situational awareness of wingman and tanker, to include: aircraft positioning (ground taxi, marshal, and flight), conduct of maneuvers, fuel state, altitude, weather, etc.
Demonstrates proper flight communications IAW applicable flight SOP and refueling publications.
Executes proper rendezvous with flight and tanker.
Demonstrates proper aerial refueling procedures/techniques.
Executes proper departure of flight from tanker.

Follows training rules and maneuvers aircraft per the brief.

Crew. SLUT Pilot in lead aircraft, Section Lead in wing aircraft.

Prerequisites. SL-6200. AR-2400. Formation Core Skills complete (FORM-2200, 2201, 2202). Night Systems Qualified. Air-Air Refueling Lecture.

External Support. Aerial refueling platform and Special Use Airspace.

SL-6205 1.0 * B N E A 2 EA-6B

Goal. Lead a section through air refueling at night, aided or unaided. This event may be logged in conjunction with any night SLUT event or with the SL-6204 (Day-to-Night tanking). Any approved aerial refueling aircraft may be used.

Requirements.

Discuss:

Section air refueling flight during the night, aided or unaided.

Perform:

Brief air refueling procedures, tanker emergencies and night tanking considerations.
Brief lost communications and lost sight procedures, particularly with regards to the tanker.
If flight is flown in conjunction with the SL-6204, properly brief the transition/adjustment from Day to Night, NVD goggling procedures while airborne, and recovery plan.
Each aircraft shall complete one plug to demonstrate proficiency.
If flight is unaided, properly brief and discuss aircraft lighting and techniques for determining aircraft aspect/bearing line using the "light triangle."
If flight is aided, properly brief NVD use in formation flight.
Properly brief weather considerations, contingencies, and rendezvous, fallout, and recovery plans.
Debrief the flight to include: planning, pre-flight brief, and flight execution. Accurately recall and reconstruct each maneuver using white board and models as applicable.

Performance Standards.
Demonstrates understanding of proper formation terms, visual signals, aerial refueling procedures, and definitions.
Performs all maneuvers per NATOPS and applicable MAWTS-1 EA-6B courseware as section lead.
Adheres to applicable SOP.
Maintains proper formation while joined/refueling, and during departure from tanker.
Demonstrates proper briefing techniques, model usage, and understands section/tanker emergency procedures and considerations.
Maintains situational awareness of wingman and tanker, to include: aircraft positioning (ground taxi, marshal, and flight), conduct of maneuvers, fuel state, altitude, weather, etc.
Demonstrates proper flight communications IAW applicable flight SOP and refueling publications.
Executes proper rendezvous with flight and tanker.
Demonstrates proper aerial refueling procedures/techniques.
Executes proper departure of flight from tanker.
Follows training rules and maneuvers aircraft per the brief.

Demonstrates safe and effective use of aircraft lighting and night vision devices (as applicable).

Crew. SLUT Pilot in lead aircraft, Section Lead in wing aircraft. Prerequisites. SL-6204. AR-2401. Formation Core Skills complete (FORM-2200, 2201, 2202). Night Systems Qualified.

SL-6206 0.0 * B * E * Tracking

Goal. Section Lead Standardization Evaluation. This code is intended to track the completion of the Flight Lead Standardization Evaluation by a MAG designated FLSE. This code may be logged in conjunction with any other SLUT event except a SL-6207.

Performance Standards. Lead a standardized section in accordance with NATOPS and local SOP.

Crew. SLUT Pilot in lead aircraft, pilot FLSE in wing aircraft.

External Support. Pilot FLSE.

SL-6207 1.0 * B (N) E A 2 EA-6B

Goal. Section Lead check flight. This code is intended to track the final SLUT event, demonstrating the prospective section lead's ability to lead a section, day or night, safely and effectively.

Requirements. Lead any SLUT sortie (SL 6200-6205) as the Section Lead. Scheduled and logged in conjunction with the final SLUT flight code. At the completion of the SLUT syllabus and this check flight, the evaluator will determine whether the prospective section lead is completely prepared and capable of performing all required skills as a section leader. If performance is satisfactory and the Standardization Evaluation is complete, the SL-6207 will be logged and applicable Section Lead designation paperwork will be routed for approval by the commanding officer.

Performance Standards. See particular performance standards for the event this code is conducted with. The Section Lead evaluator should discuss and review selected material from the entire SLUT syllabus emphasizing formation tactics, section maneuvers, emergencies, refueling, etc. Emphasis should be placed on the ability of the prospective section leader to conduct section flight operations safely, and to train new aircrew recently graduated from the FRS.

Crew. SLUT Pilot in lead aircraft, Section Lead in wing aircraft.

Prerequisites. SL 6200-6206. Completion of SL stage academic requirements.

External Support. As required per the event this code is conducted with.

2.13.4.6 Division Lead POI

(1) Purpose. To prepare and evaluate the prospective division lead's ability to plan, brief and execute an event as a division leader.

(2) General

(a) Prospective division leads shall conduct a minimum of three flight events to include a DL-6300, DL-6301, and DL-6302. These events can be completed in any order, however the second flown shall be the DLUT FLSE DL-6303 and the third shall be the DLUT check flight DL-6304. These day and night workup sorties are intended to develop the prospective division lead's flight leadership. All Division Lead Under Training (DLUT) events shall be evaluated by a designated division lead.

(b) The division lead evaluator will use the sortie requirement accomplishment criterion to determine whether the prospective division lead completed the sortie. The prospective division lead will use the performance standards to debrief the flight. Completion of the DLUT syllabus meets the requirements for designation as division leader; however, squadron commanders may apply additional requirements. At the discretion of the squadron commanding officer, a letter designating the pilot as division leader shall be placed in his/her NATOPS jacket and Aircrew Performance Record (APR). Appropriate designation will be annotated in M-SHARP by the squadron operations officer.

(c) Division Lead Prerequisites. First-tour aviators with no previous tactical jet qualifications require a minimum of 750 total hours as Pilot in Command and a minimum of 450 EA-6B hours. Aviators with previous tactical jet qualifications require a minimum of 750 total hours as Pilot in Command and a minimum of 250 EA-6B hours.

(d) Prospective division leads shall be designated a Section Lead, have flown a minimum of three flights as a designated Section Lead, and have completed FORM-4100.

(e) The prospective division lead shall plan, brief, and execute a minimum of two FORM-4100 events; one day, and one night (aided or unaided as appropriate).

(f) The prospective division lead shall also plan, brief, and execute a division flight through air refueling day or night (aided or unaided as appropriate).

(3) Crew Requirements. Division Lead training events require a designated Division Lead in the flight. The designated Division Lead shall evaluate the Division Lead Under Training (DLUT).

(4) Ground/Academic Training. Refer to the standardized academic training matrix below.

EA-6B DIVISION LEAD UNDER TRAINING TRACKING FORM		
SELF PACED READINGS		**DATE COMP**
REVIEW ALL APPLICABLE SECTION LEAD MATERIALS		
MAWTS-1 COURSEWARE (DIVISION FORMATION FLIGHT)		
REQUIRED CHALK TALKS	**DATE COMP**	**INSTRUCTOR**
EA-6B DIVISION FORMATION PROCEDURES		
DIVISION TRANSOCEANIC/TRANSCONTINENTAL MOVEMENTS		
ADMINISTRATIVE FLIGHT REQ.	**DATE COMP**	**INSTRUCTOR**
PARTICIPATE IN DIVISION FLIGHT AS SECTION LEADER		
PARTICIPATE IN TRANSOCEANIC/CONTINENTAL DIV FLT		
LEAD A DIVISION INTERVAL TAKEOFF		
LEAD A DIVISION OVERHEAD		
MISCELLANEOUS ITEMS		**DATE COMP**
COMPLETE OPEN BOOK DIVISION LEAD EXAM		

DL-6300 2.0 * B D E A 3+ EA-6B

Goal. Lead a flight demonstrating proficiency in division formation procedures and maneuvers during the day. Emphasis shall be placed on division takeoff and rendezvous techniques, safety and standardization, and proper procedures.

Requirements.

Discuss:

Formation terms, visual signals, and definitions.
Lost communications and lost sight procedures.

Perform:

Conduct division departure and rendezvous.
Parade and Cruise.
Lead Changes (optional).
Shuffle -2, -3, -4 positions.
One NATOPS TACAN rendezvous.
Two NATOPS Break-up and rendezvous - one left, one right, for each shuffle.
Division recovery.
Properly brief weather considerations, contingencies, and rendezvous, fallout, and recovery plans.
Debrief the flight to include: planning, pre-flight brief, and flight execution. Accurately recall and reconstruct each maneuver using white board and models as applicable.

Performance Standards.

Demonstrates understanding of proper division formation terms, visual signals, and definitions.
Performs all maneuvers per NATOPS and applicable MAWTS-1 EA-6B courseware as division lead.
Adheres to applicable SOP.
Maintains proper formation and visual mutual support.
Demonstrates proper briefing techniques, model usage, and understands flight emergency procedures and considerations.
Maintains situational awareness of flight, to include: aircraft positioning (taxi, marshal, and flight), conduct of maneuvers, fuel state, altitude, weather, etc.
Demonstrates proper flight radio communications IAW applicable flight SOP.
Demonstrates directive control of division to manage set-ups, airspace, and deconfliction.

Follows training rules and maneuvers aircraft per the brief.
Conducts safe rendezvous.
Conducts safe and appropriate break-up of flight for recovery (if applicable).

Crew. DLUT Pilot in lead aircraft, Division Lead in flight.

Prerequisites. See stage description.

External Support. Special Use Airspace.

DL-6301 2.0 * B N E A 3+EA-6B

Goal. Lead a flight demonstrating proficiency in division formation procedures and maneuvers during night (aided or unaided as appropriate). Emphasis shall be placed on division takeoff and

rendezvous techniques at night, night/lighting considerations, safety and standardization, and proper procedures.

Requirements.

Discuss:
- Formation terms, visual signals, and definitions.
- Lost communications and lost sight procedures.
- NVD use in formation flight (if applicable).
- Aircraft lighting techniques/considerations.

Perform:
- Conduct division departure and rendezvous.
- Parade.
- Cruise.
- Lead Changes (optional).
- Shuffle -2, -3, -4 positions.
- One NATOPS TACAN rendezvous.
- Two NATOPS Break-up and rendezvous - one left, one right, for each shuffle.
- Division recovery.
- Properly brief weather considerations, contingencies, and rendezvous, fallout, and recovery plans.
- Debrief the flight to include: planning, pre-flight brief, and flight execution. Accurately recall and reconstruct each maneuver using white board and models as applicable.

Performance Standards.
Demonstrates understanding of proper division formation terms, visual signals, and definitions.
Performs all maneuvers per NATOPS and applicable MAWTS-1 EA-6B courseware as division lead.
Adheres to applicable SOP.
Maintains proper formation and visual mutual support.
Demonstrates proper briefing techniques, model usage, and understands flight emergency procedures and considerations.
Maintains situational awareness of flight, to include: aircraft positioning (taxi, marshal, and flight), conduct of maneuvers, fuel state, altitude, weather, etc.
Demonstrates proper flight radio communications IAW applicable flight SOP.
Demonstrates directive control of division to manage set-ups, airspace, and deconfliction.

Follows training rules and maneuvers aircraft per the brief.
Conducts safe rendezvous.
Conducts safe and appropriate break-up of flight for recovery (if applicable).
Demonstrates safe and effective use of aircraft lighting and night vision devices (as applicable).

Crew. DLUT Pilot in lead aircraft, Division Lead in flight.

Prerequisites. DL-6300. Designated Section Lead.

External Support. Special Use Airspace.

DL-6302 1.0 * B (N) E A 3+EA-6B

Goal. Lead a division through air refueling, day or night, aided or unaided. May be logged in conjunction with DL-6300 or DL-6301 or as the DL-6304. Any approved aerial refueling aircraft may be used.

Requirements.

Discuss:

Division air refueling flight during the day or night, aided or unaided.
Air refueling procedures, tanker emergencies and night tanking considerations (as applicable).
Lost communications and lost sight procedures, particularly with regards to the tanker.

Perform:

Each aircraft shall complete one plug to demonstrate proficiency.
If flight is unaided, properly brief and discuss aircraft lighting and techniques.
If flight is aided, properly brief NVD use in formation flight.
Properly brief weather considerations, contingencies, and rendezvous, fallout, and recovery plans.
Debrief the flight to include: planning, pre-flight brief, and flight execution. Accurately recall and reconstruct each maneuver using white board and models as applicable.

Performance Standards.
Demonstrates understanding of proper formation terms, visual signals, aerial refueling procedures, and definitions.
Performs all maneuvers per NATOPS and applicable MAWTS-1 EA-6B courseware as division lead.
Adheres to applicable SOP.
Maintains proper formation during tanker rendezvous, while joined/refueling, and during departure from tanker.
Demonstrates proper briefing techniques, model usage, and understands flight/tanker emergency procedures and considerations.
Maintains situational awareness of flight and tanker, to include: aircraft positioning (ground taxi, marshal, and flight), conduct of maneuvers, fuel state, altitude, weather, etc.
Demonstrates proper flight communications IAW applicable flight SOP and refueling publications.
Executes proper rendezvous with flight and tanker.
Demonstrates proper aerial refueling procedures/techniques.
Executes proper departure of flight from tanker.
Follows training rules and maneuvers aircraft per the brief.

Demonstrates safe and effective use of aircraft lighting and night vision devices (as applicable).

Crew. DLUT Pilot in lead aircraft, Division Lead in flight.

Prerequisites. DL-6300. Designated Section Lead.

External Support. Aerial refueling platform and Special Use Airspace.

DL-6303 0.0 * B * E * Tracking

Goal. Division Lead Standardization Evaluation. This code is intended to track the completion of the Flight Leadership Standardization Evaluation by a MAG designated FLSE. This shall be logged in conjunction with the second DLUT event. It may be logged with any DLUT T&R code except the DL-6304.

Performance Standards. Lead a standardized division in accordance with NATOPS and local SOP.

Crew. DLUT Pilot in lead aircraft, pilot FLSE in flight.

External Support. Pilot FLSE.

DL-6304 1.0 * B (N) E A 3+EA-6B

Goal. Division Lead check flight demonstrating the prospective division lead's ability to lead a division, day or night, safely and effectively.

Requirements.

Discuss:

Formation terms, visual signals, and definitions.
Lost communications and lost sight procedures.
Aircraft lighting techniques/considerations.
NVD use in formation flight (if applicable).
Division air refueling flight during the day or night, aided or unaided (if applicable).
Air refueling procedures, tanker emergencies and night tanking considerations (if applicable).
Lost communications and lost sight procedures with regards to the tanker (if applicable).

Perform:

Conduct division departure and rendezvous.
Parade.
Cruise.
Lead Changes (optional).
Shuffle -2, -3, -4 positions.
One NATOPS TACAN rendezvous.
Two NATOPS Break-up and rendezvous - one left, one right, for each shuffle.
Division recovery.
Properly brief weather considerations, contingencies, and rendezvous, fallout, and recovery plans.
Debrief the flight to include: planning, pre-flight brief, and flight execution. Accurately recall and reconstruct each maneuver using white board and models as applicable.

Performance Standards.
Demonstrates understanding of proper division formation terms, visual signals, and definitions.
Performs all maneuvers per NATOPS and applicable MAWTS-1 EA-6B courseware as division lead.
Adheres to applicable SOP.
Maintains proper formation and visual mutual support.
Demonstrates proper briefing techniques, model usage, and understands flight emergency procedures and considerations.
Maintains situational awareness of flight, to include: aircraft positioning (taxi, marshal, and flight), conduct of maneuvers, fuel state, altitude, weather, etc.
Demonstrates proper flight radio communications IAW applicable flight SOP.
Demonstrates directive control of division to manage set-ups, airspace, and deconfliction.
Follows training rules and maneuvers aircraft per the brief.
Conducts safe rendezvous.
Conducts safe and appropriate break-up of flight for recovery (if applicable).
Demonstrates safe and effective use of aircraft lighting and night vision devices (as applicable).

Crew. DLUT Pilot in lead aircraft, Division Lead in flight.

Prerequisites. DL-6300, DL-6301, and DL-6303 events satisfactorily completed. DL-6302 must be complete unless being conducted in conjunction with DL-6304. Completion of DL stage academic requirements.

External Support. Special Use Airspace and tanker (if applicable).

2.13.4.7 Mission Commander POI

(1) Purpose. To train and designate EA-6B Mission Commanders. Designation as an EA-6B Mission Commander implies a special trust and confidence, taking into account an individual's leadership, maturity, competence, motivation, and decision-making skills. Implied in the designation is the clearly demonstrated ability to carry a mission to completion through individual knowledge and professional skills. All prospective Mission Commanders must be able to plan, brief, execute, and debrief an effective Electronic Warfare (EW) mission and be a competent representative of the Marine Corps EA-6B community to external agencies. Individual initiative is the key ingredient to completing the Mission Commander Syllabus. All EA-6B aircrew should actively seek the Mission Commander designation.

(2) General

(a) The Mission Commander program is designed to provide realistic, documented training while allowing Mission Commanders and Mission Commanders Under Training (MCUT) enough flexibility to tailor training requirements to available sorties. The Mission Commander syllabus is designed to document not only training, but real-world experience as well. Due consideration should be given to documented participation in real-world conflicts and contingencies. Additionally, squadrons should

accept properly documented training conducted with other VMAQ squadrons.

(b) The MCUT syllabus shall emphasize combat flight leadership skills. Mission Commanders must have a clearly demonstrated ability to carry a mission to completion through individual knowledge and professional skills. The syllabus events are the minimum required of a pilot or ECMO to be designated a Mission Commander. At minimum, one MCUT event shall be evaluated by an external FLSE. Otherwise, unit commanders retain the authority to establish additional requirements, waive requirements, or designate aircrew as they see fit.

(c) The program structure consists of three areas:

- Prerequisites based upon aircrew experience (hours, qualifications, and deployments).

- Academic requirements that deal with aircrew education and involves study and discussion of systems, procedures, and doctrine. These include Demonstrated Knowledge/Chalk Talks, an EA-6B capabilities brief, an open-book exam, and self-paced readings.

- Flight requirements that consists of three sequential phases:
  - Exposure events.
  - Plan & Brief events.
  - Performance Flights.

(d) It is incumbent upon Mission Commanders to take part in all phases of flight for which an MCUT is being evaluated in order to provide personal insight and instruction. During the planning, execution, and debrief portions of a flight, the assigned Mission Commander should make the training of the MCUT their primary task. EA-6B Aviation Training Forms must be completed in a timely, accurate, and meaningful manner. All aspects of the MCUT's performance must be documented to include items of a negative nature. These forms are the primary documents used to evaluate prospective Mission Commanders and shall be placed in the MCUT's APR after review by appropriate squadron training officers. The assigned Mission Commander must exercise sound judgment as to whether the MCUT has successfully demonstrated the skills associated with conducting the mission. Merely completing an evolution does not satisfy, in itself, the intent of the program.

(3) CAT I MCUT Syllabus. All aircrew who are not currently designated a Mission Commander are considered to be a Mission Commander Under Training (MCUT). This requirement applies to all aircrew that return to the EA-6B community without being previously designated as a Mission Commander. In both instances aircrew shall complete the EA-6B CAT I MCUT syllabus in order to be considered for designation as a Mission Commander. Squadrons should adhere to the recommended timeline as much as possible to ensure the timely training of prospective Mission Commanders.

(4) Basic CAT I EA-6B MCUT Requirements.

(a) 400 Hours in model.
(b) Threat Reaction stage complete. Efforts should be made to gain a Defensive Tactics (DEFTAC) qualification to the maximum extent possible.
(c) Night Systems (NS) qualified.
(d) Successful completion of the Mission Commander Test.
(e) Section Lead designation (Pilots only).

(5) Academic Requirements. CAT I MCUTs should begin studying MCUT materials within 30 days of checking into their squadron. These include self-paced readings, demonstrated knowledge lectures, an evaluated EA-6B Capabilities Brief, and passing an open-book Mission Commander test with a minimum grade of 80%. These events are listed in the CAT I MCUT tracking form below. In addition, MCUTs should review the EA-6B Course Catalog academic requirements for all 2000 through 4000 phase events. Upon completion of each requirement, the Mission Commander will make the appropriate notation on the MCUT tracking sheet. When evaluating the EA-6B capabilities brief, the Mission Commander shall complete a write-up documenting strengths and weaknesses in briefing ability. Aircrew must complete the minimum demonstrated knowledge pre-requisites prior to plan and brief events and shall have all demonstrated knowledge events completed prior to any execution events.

(6) Exposure Events. The MCUT must participate as a crewmember in Exposure Events in certain mission areas. The intent of each event in this section is to expose the EA-6B aircrew to the proper employment of the EA-6B in various mission areas. The Mission Commander on the flight must exercise sound judgment in determining whether the MCUT was adequately exposed to EA-6B employment to warrant credit for the event. If credit is merited, the Mission Commander will make the appropriate notation on the MCUT tracking sheet and NAVFLIR. It is the responsibility of the MCUT to ensure that this notation is made. An evaluation sheet should be completed for exposure flights as a means of documenting what areas were accomplished. It is possible to use a single flight to fulfill multiple Exposure Flights. The required exposures are as follows:

(a) SEAD-3201: SEAD ISO Armed Recce
(b) EA-3301: EW ISO Ground Combat Ops
(c) EA-3303: EW ISO Assault Support
(d) EA-3401: EW ISO CAS
(e) ES 3501: Section ES
(f) AE-3601: EW ISO Air Interdiction

(7) Plan & Brief Events. During Plan & Brief events the MCUT, under the supervision of a designated Mission Commander, will participate in the detailed mission planning and execution of the specified missions. In that capacity, the MCUT will be responsible to the Mission Commander for all aspects of planning, briefing, and execution of the assigned mission. Delegation of tasks is highly encouraged during planning. The Mission Commander evaluator will emphasize the thought processes

associated with completing all requirements specified. These events may be completed in the aircraft, integrated simulator or as a planning and briefing exercise (listed in priority order). The planning and briefing exercises (MAPEX) should be only used as a last resort due to the limited opportunity to sufficiently evaluate an MCUT's performance based on mission developments. 3 of the 6 Plan and Brief events must be executed in the airplane or integrated simulator. A write up is required for each plan and brief event. Plan & Brief Events should be complete within 18 months of joining the squadron. The Mission Commander under training (MCUT) will be evaluated in the ability to effectively plan and brief the following missions:

(a) MC-6400 (SEAD-3201: SEAD ISO Armed Recce)
(b) MC-6401 (EA-3301: EW ISO Ground Combat Ops)
(c) MC-6402 (EA-3303: EW ISO Assault Support)
(d) MC-6403 (EA-3401: EW ISO CAS)
(e) MC-6404 (ES-3501: Section ES)
(f) MC-6405 (AE-3601: EW ISO Air Interdiction)

(8) Performance Events. Performance Flights cover the same basic mission areas as the Plan & Brief events. However, unlike the previous events, in which the MCUT received guidance from a qualified Mission Commander, the MCUT is expected to take complete responsibility as the Mission Commander for the detailed planning, briefing, and execution of the listed mission. A qualified Mission Commander will evaluate the MCUTs ability to lead a designated crew through the EA-6B mission planning process, brief, execution, as well as a thorough debrief. Squadron WTIs and MAWTS-1 certified EWTOs should be involved in evaluating a selection of each MCUT's events, when possible. It is imperative that Performance Flights include external support sorties to the greatest extent possible in order to ensure that the MCUT is capable of coordinating with outside agencies. At most, 3 of the 6 Performance events may be completed in an integrated simulator. A write up is required for each flight. The MCUT will be evaluated in the following missions:

(a) MC-6500 (SEAD-3201: SEAD ISO Armed Recce)
(b) MC-6501 (EA-3301: EW ISO Ground Combat Ops)
(c) MC-6502 (EA-3303: EW ISO Assault Support)
(d) MC-6503 (EA-3401: EW ISO CAS)
(e) MC-6504 (ES-3501: Section ES)
(f) MC-6505 (AE-3601: EW ISO Air Interdiction)

(9) CAT II MCUT Syllabus. Previously designated EA-6B Mission Commanders who have not operated the EA-6B within 540 days shall be considered a CAT II MCUT upon check-in following their FRS refresher syllabus. To attain re-designation, a CAT II MCUT must complete an academic syllabus and fly a minimum of two Performance Flights. One of those flights shall be evaluated by any designated FLSE. These events are listed in the MCUT tracking form below.

(10) Basic CAT II EA-6B MCUT Requirements.
(a) Previously designated EA-6B Mission Commander.

(b) Threat Reaction stage complete.
(c) Night Systems (NS) qualified.
(d) Successful completion of the Mission Commander Test.

(11) Academic Requirements. CAT II MCUTs have previously been qualified as EA-6B Mission Commanders and, accordingly, have a reduced academic requirement. Cat II MCUTs shall complete the academic items listed in the CAT II MCUT tracking form below and should review the EA-6B Course Catalog academic requirements for all 2000 through 4000 phase events.

(12) Exposure Events. Not required.

(13) Plan & Brief Events. Not required.

(14) Performance Events. CAT II MCUT is required to complete a minimum of two Performance Flights. The flights will be based on T&R core sorties. Performance Flights for CAT II MCUTs must meet the same performance criteria as CAT I events. To the maximum extent possible, the flights should encompass other units and real-world strike aircraft. A write up is required for each flight. Two of the following sorties will be evaluated:

(a) MC-6500 (SEAD-3201: SEAD ISO Armed Recce)
(b) MC-6501 (EA-3301: EW ISO Ground Combat Ops)
(c) MC-6502 (EA-3303: EW ISO Assault Support)
(d) MC-6503 (EA-3401: EW ISO CAS)
(e) MC-6504 (ES-3501: Section ES)
(f) MC-6505 (AE-3601: EW ISO Air Interdiction)

(15) CAT III MCUT Syllabus. Previously designated EA-6B Mission Commanders who have operated the EA-6B within 540 days shall be considered a CAT III MCUT upon check-in. Squadron commanders may choose to re-designate an aircrew and issue a new Mission Commander letter, or may require a Refresher syllabus/check-flight as described in this section.

(16) Basic CAT III EA-6B MCUT Requirements.

(a) Previously designated an EA-6B Mission Commander, and has operated the EA-6B within 540 days.
(b) Threat Reaction stage complete.
(c) Night Systems (NS) qualified.

(17) Academic Requirements. CAT III MCUTs have previously been qualified as EA-6B Mission Commanders and are relatively current in model. The Operations Officer in conjunction with the Electronic Warfare Officer will formulate a Demonstrated Knowledge/Chalk Talk syllabus for CAT III MCUTs to complete, and annotate on the CAT III MCUT Tracking form below. The syllabus will include current squadron tactics, training, philosophy, and any other items that have changed since the aircrew last tactically employed the EA-6B. Cat III MCUTs should review the EA-6B Course Catalog academic requirements for all 2000 through 4000 phase events.

(18) Exposure Events. Not required.

(19) Plan & Brief Events. Not required.

(20) Performance Events. Only one Performance Flight is required for CAT III MCUTs. The flight must be one of the Core sorties and must meet the same evaluating criteria as CAT I events. To the maximum extent possible, the flight should encompass other units and real-world strike aircraft. A write up is required. One of the following sorties will be evaluated:

(a) MC-6500 (SEAD-3201:SEAD ISO Armed Recce)
(b) MC-6501 (EA-3301: EW ISO Ground Combat Ops)
(c) MC-6502 (EA-3303: EW ISO Assault Support)
(d) MC-6503 (EA-3401: EW ISO CAS)
(e) MC-6504 (ES-3501: Section ES)
(f) MC-6505 (AE-3601: EW ISO Air Interdiction)

(21) Progress Tracking. The following tracking form(s) shall be used to track MCUT progress throughout the program. As each event is successfully completed, the Mission Commander evaluator shall sign and date in the appropriate block(s). The Operations department shall maintain this form for each MCUT in the program, and upon final completion, present this form in its entirety to the Commanding Officer with other appropriate documents for recommendation to be designated a Mission Commander. Contact MAWTS-1 EA-6B Division or MAG-14 FLSE for electronic copies of the forms.

AAW	NTTP 3-22.5/AFTTP 3-1.13	ADA	TCAC
ASSLT SUPP	EA-6B WSOM	IADS BREIF	USQ-113
CNTRL A/C & MISSILES	HARM TACMAN	A-A MISSILES	MATT
EW	TOPGUN MAN	FIGHTERS	ALE-43
OAS	ETIRMS	COMM SYSTEMS	ALE-47
	JETT/JTAT		ALQ-218
	MISSION REPORTS		ALQ-99
			HARM
			EMI
			LINK-16
			AR-3000
			LITENING POD
			SINCGARS/HAVEQUICK/KY-58

PLAN & BREIF DEMONSTRATED KNOWLEDGE PREREQUISITES

PLAN & BRIEF EVENTS	PREREQUISITES	PERFORMANCE FLIGHTS	PREREQUISITES
MC-6400	SEAD-3201, ALL EA-6B EQUIPMENT, SAMS, ADA, OAS, AAW, EW	MC-6500	MC-6400
MC-6401	EA-3301, ALL EA-6B EQUIPMENT, SAMS, ADA, ASSLT SUPP, EW	MC-6501	MC-6401
MC-6402	EA-3303, ALL EA-6B EQUIPMENT, SAMS, ADA, ASSLT SUPP, EW	MC-6502	MC-6402
MC-6403	EA-3401, ALL EA-6B EQUIPMENT, SAMS, ADA, HARM TACMAN, OAS, EW	MC-6503	MC-6403
MC-6404	ES-3501, ALL EA-6B EQUIPMENT, SAMS, ADA, OAS, EW	MC-6504	MC-6404
MC-6405	AE-3601, ALL EA-6B EQUIPMENT, SAMS, ADA, OAS, AAW, EW	MC-6505	MC-6405

FLIGHTS

EXPOSURE EVENTS	PLAN & BRIEF EVENTS	PERFORMANCE FLIGHTS	CERTIFICATION EVENTS
SEAD-3201	MC-6400	MC-6500	MCUT-6600 (FLSE CHECK)
EA-3301	MC-6401	MC-6501	MCUT-6601 (CHECK FLIGHT)
ES-3303	MC-6402	MC-6502	
EA-3401	MC-6403	MC-6503	
ES-3501	MC-6404	MC-6504	
AE-3601	MC-6405	MC-6505	

PERSONAL INFORMATION (CAT II)			
NAME	MOS	400 EA-6B HOURS	MSN CDR TEST
RANK	MENTOR	NS QUAL	CAT 1 DESIGNATION DATE
SSN	DEPLOYMENTS	TRXN	

DEMONSTRATED KNOWLEDGE			
DOCTRINE	PUBS/MANUALS	THREAT SYSTEMS	EA-6B EQUIPMENT/TACTICS
AIR RECON	AFTTP 3-1.2	LAND SAMS	JMPS
AAW	NTTP 3-22.5/AFTTP 3-1.13	ADA	TCAC
ASSLT SUPP	EA-6B WSOM	IADS BREIF	USQ-113
CNTRL A/C & MISSILES	HARM TACMAN	A-A MISSILES	MATT
EW	TOPGUN MAN	FIGHTERS	ALE-43
OAS	ETIRMS	COMM SYSTEMS	ALE-47
	JETT/JTAT		ALQ-218
	MISSION REPORTS		ALQ-99
OPERATIONS DIRECTED DEMONSTRATED KNOWLEDGE			HARM
			EMI
			LINK-16
			AR-3000
			SINCGARS/HAVEQUICK/KY-58

FLIGHTS

MINIMUM OF TWO PERFORMANCE FLIGHTS

PERFORMANCE FLIGHTS	CERTIFICATION EVENTS
MC-6500	MCUT-6600 (FLSE CHECK)
MC-6501	MCUT-6601 (CHECK FLIGHT)
MC-6502	
MC-6503	
MC-6504	
MC-6505	

PERSONAL INFORMATION (CAT III)

NAME	MOS	400 EA-6B HOURS	MSN CDR TEST
RANK	MENTOR	NS QUAL	CAT 1 DESIGNATION DATE
SSN	DEPLOYMENTS	TRXN	

DEMONSTRATED KNOWLEDGE

DOCTRINE	PUBS/MANUALS	THREAT SYSTEMS	EA-6B EQUIPMENT/TACTICS
AIR RECON	AFTTP 3-1.2	LAND SAMS	JMPS
AAW	NTTP 3-22.5/AFTTP 3-1.13	ADA	TCAC
ASSLT SUPP	EA-6B WSOM	IADS BREIF	USQ-113
CNTRL A/C & MISSILES	HARM TACMAN	A-A MISSILES	MATT
EW	TOPGUN MAN	FIGHTERS	ALE-43
OAS	ETIRMS	COMM SYSTEMS	ALE-47
	JETT/JTAT		ALQ-218
	MISSION REPORTS		ALQ-99
			HARM

OPERATIONS DIRECTED DEMONSTRATED KNOWLEDGE

			EMI
			LINK-16
			AR-3000
			SINCGARS/HAVEQUICK/KY-58

FLIGHTS

MINIMUM OF TWO PERFORMANCE FLIGHTS

PERFORMANCE FLIGHTS	CERTIFICATION EVENTS
MC-6500	MCUT-6600 (FLSE CHECK)
MC-6501	MCUT-6601 (CHECK FLIGHT)
MC-6502	
MC-6503	
MC-6504	
MC-6505	
MC-6505	

(22) Designation Process. Upon successful completion of all academic and flight requirements, including the Flight Leadership Standardization Evaluation, the Operations department shall review all paperwork and documentation for completion and accuracy. The Operations Officer will collect all documents and present them to a Mission Commander Board. The board is intended to present questions and guidance to the prospective Mission Commander in order to make a final collective decision that the MCUT has met the requirements of an EA-6B Mission Commander. Upon conclusion, the Mission Commander Board may recommend to the Commanding Officer that the MCUT be designated as a Mission Commander. The Commanding Officer is the final authority for designation. Upon commanding officer's designation, a copy of the designation letter will be placed in aircrew's NATOPS jacket and APR. Additionally, the tracking designation code MC-6601 will be logged and appropriate designation will be annotated in M-SHARP by the squadron operations officer.

(23) Crew Requirements. Mission Commander training events require a designated Mission Commander to evaluate the MCUT. At least one flight event must be evaluated by a MC FLSE from a different unit.

(24) Academic Training. Refer to the applicable standardized academic tracking sheets above.

MC-6400 2.0 * B (N) E S/A 1 EA-6B

Goal. Mission Commander plan and brief flight. Demonstrate proficiency in single-ship techniques in an armed recce environment.

Requirements. Lead an SEAD-3201 with limited assistance from Mission Commander.

Discuss:
SEAD in support of armed recce.
HARM in support of armed recce.

Perform:
Develop scenario providing friendly and enemy ground order of battle, SAMs/ADA, Fire Support Coordination Measures, etc.
Conduct mission analysis based on given scenario.
Conduct EW targeting in support of given scenario.
Build JMPS mission to include route and mission cards.
Utilize both threat is the target and threat is not the target profiles.
Proper communications procedures.
Execute planned mission based on Mission Commander's guidance.
React to mission developments and pop-up threats.
Debrief the flight to include: planning, pre-flight brief, and flight execution. Accurately recall and reconstruct each maneuver using white board and models as applicable.

Performance Standards.
Properly analyze mission.
Properly conduct EW targeting in support of mission.
Properly execute planned mission.
Properly react to mission changes and pop-up threats.

Conducted a minimum of one attack against the threat SAM.

Conducted a minimum of one attack against a target not co-located with threat SAM.
Recognize and correct errors. Require limited input from the Mission Commander.

Crew. MCUT, Mission Commander.

Prerequisites. Core Skill (2000 phase) and SEAD-3201 complete. Complete the following Demonstrated Knowledge/Chalk Talks: All EA-6B Equipment, SAMS, ADA, OAS, AAW, and EW.

Ordnance. CATM-88. 40 Chaff/20 Flares.

External Support. EW Range. Fixed or rotary wing strike aircraft.

MC-6401 2.0 * B (N) E S/A 1 EA-6B

Goal. Mission Commander plan and brief flight. Demonstrate proficiency in electronic warfare in support of ground combat operations and combat service support operations.

Requirements. Plan and brief a EA-3301 with limited assistance from Mission Commander.

Discuss:

Electronic warfare in support of ground combat operations and combat service support operations. Training scenario may include any or all of the following: Convoy support, Raids, Direct Action, MOUT, Counter surface fires, Information Operations.

Perform:

Conduct mission analysis based on given scenario.
Conduct EW targeting in support of given scenario.
Build JMPS mission to include route and mission cards.
Prepare go/no go criteria and flex plan.
Proper communication procedures.
Practice degraded modes of operation.
Execute planned mission based on Mission Commander's guidance.
React to mission developments and pop-up threats.
Debrief the flight to include: planning, pre-flight brief, and flight execution.
Accurately recall and reconstruct each maneuver using white board and models as applicable.

Performance Standards.
Properly analyze mission.
Properly conduct EW targeting in support of mission.
Properly execute planned mission.
Properly react to mission developments and pop-up threats.
Recognize and correct errors. Require limited input from the Mission Commander.

Crew. MCUT, Mission Commander.

Prerequisites. Core Skill (2000 phase) and EA-3301 complete. Complete the following Demonstrated Knowledge/Chalk Talks: All EA-6B Equipment, SAMS, ADA, Assault Support, and EW.

External Support. EW Range, appropriate Ground Combat Elements.

MC-6402 2.0 * B (N) E S/A 1 EA-6B

Goal. Mission Commander plan and brief flight. Demonstrate proficiency in electronic warfare in support of assault support.

Requirements. Lead a EA-3303 with limited assistance from Mission Commander.

Discuss:

Electronic warfare in support of Assault Support. Training scenario may include any or all of the following: Combat Assault Support, CSAR /TRAP, Air Delivery.

Perform:

Conduct mission analysis based on given scenario.
Conduct EW targeting in support of given scenario.
Build JMPS mission to include route and mission cards.
Prepare go/no-go criteria and flex plan.
Introduce proper communication procedures.
Practice degraded modes of operation.
Execute planned mission based on Mission Commander's guidance.
React to mission developments and pop-up threats.
Debrief the flight to include: planning, pre-flight brief, and flight execution.
Accurately recall and reconstruct each maneuver using white board and models as applicable.

Performance Standards.
Properly analyze mission.
Properly conduct EW targeting in support of mission.
Properly execute planned mission.
Properly react to mission developments and pop-up threats.
Recognize and correct errors. Require limited input from the Mission Commander.

Crew. MCUT, Mission Commander.

Prerequisites. Core Skill (2000 phase) and EA-3303 complete. Complete the following Demonstrated Knowledge/Chalk Talks: All EA-6B Equipment, SAMS, ADA, Assault Support, and EW.

External Support. EW Range, Special Use Airspace, and rotary wing aircraft.

MC-6403 2.0 * B (N) E S/A 1 EA-6B

Goal. Mission Commander plan and brief flight. Demonstrate proficiency in single-ship techniques in a close air support environment.

Requirements. Lead an EA-3401 with limited assistance from Mission Commander.

Discuss:

Electronic warfare in support of CAS.
HARM in support of CAS.

Perform:

Develop scenario providing friendly and enemy ground order of battle, SAMs/ADA, Fire Support Coordination Measures, etc.

Conduct mission analysis based on given scenario.
Conduct EW targeting in support of given scenario.
Build JMPS mission to include route and mission cards.
Utilize both threat is the target and threat is not the target profiles.
Proper communications procedures.
Execute planned mission based on Mission Commander's guidance.
React to mission developments and pop-up threats.
Debrief the flight to include: planning, pre-flight brief, and flight execution.
Accurately recall and reconstruct each maneuver using white board and models as applicable.

Performance Standards.
Properly analyze mission.
Properly conduct EW targeting in support of mission.
Properly executed planned mission.
Properly reacted to mission changes and pop-up threats.
Conduct a minimum of one attack against the threat SAM.
Conduct a minimum of one attack against a target not co-located with threat SAM.
Recognize and correct errors. Require limited input from the Mission Commander.

Crew. MCUT, Mission Commander.

Prerequisites. Core Skill (2000 phase) and EA-3401 complete. Complete the following Demonstrated Knowledge/Chalk Talks: All EA-6B Equipment, SAMS, ADA, HARM TACMAN, OAS, and EW.

Ordnance. CATM-88. 40 Chaff/20 Flares.

External Support. EW Range. Fixed or rotary wing strike aircraft.

MC-6404 2.0 * B (N) E S/A 2 EA-6B

Goal. Mission Commander plan and brief flight. Demonstrate proficiency in signal recognition, localization, and recording capabilities in a dense electromagnetic environment.

Requirements. Lead a ES-3501 with limited assistance from Mission Commander. Shall be planned as a section, may be flown as a single.

Discuss:
Electronic warfare support (ES) in support of OAS in a dense signal environment.
Employment of HARM as a sensor.

Perform:
Develop scenario providing friendly and enemy ground order of battle, emitters, SAMs/ADA, Fire Support Coordination Measures, etc.
Build JMPS mission.
Introduce proper communications procedures.
Prioritize, detect, identify, localize, and record signals of interest.
Coordinate navigation tracks for ES optimization.
Properly initialize the TJSR.
Maintain ES logs, focusing on SOI.
Debrief the flight to include: planning, pre-flight brief, and flight execution.

Accurately recall and reconstruct each maneuver using white board and models as applicable.

Performance Standards.
Properly analyze mission.
Properly execute planned mission.
Properly react to mission changes and pop-up threats.
Effectively coordinate between ES platforms.
Accurately identify, localize, and record multiple signals by band in a dense electromagnetic environment.
Properly debrief Intel/TCAC using mission ES logs.
Recognize and correct errors. Require limited input from the Mission Commander.

Crew. MCUT, Mission Commander.

Prerequisites. Core Skill (2000 phase) and ES-3501 complete. Complete the following Demonstrated Knowledge/Chalk Talks: All EA-6B Equipment, SAMS ADA, and EW.

External Support. EW Range and Special Use Airspace.

MC-6405 2.0 * B (N) E S/A 1 EA-6B

Goal. Mission Commander plan and brief flight. Demonstrate proficiency in electronic warfare in support of air interdiction.

Requirements. Lead an AE-3601 with limited assistance from Mission Commander.

Discuss:
Electronic warfare in support of air interdiction.

Introduce/Review:
Conduct mission analysis based on given scenario.
Conduct EW targeting in support of given scenario.
Build JMPS mission to include route and mission cards.
Proper communications procedures.
Execute planned mission based on Mission Commander's guidance.
React to mission developments and pop-up threats.
Debrief the flight to include: planning, pre-flight brief, and flight execution.
Accurately recall and reconstruct each maneuver using white board and models as applicable.

Performance Standards.
Properly analyze mission.
Properly conduct EW targeting in support of mission.
Properly execute planned mission.
Properly react to mission developments and pop-up threats.
Recognize and correct errors. Require limited input from the Mission Commander.

Crew. MCUT, Mission Commander.

Prerequisites. See stage description. Core Skill (2000 phase) and AE-3601 complete. Complete the following Demonstrated Knowledge/Chalk Talks: All EA-6B Equipment, SAMS, ADA, OAS, AAW, and EW.

External Support. EW Range. Fixed or rotary wing strike aircraft.

MC-6500 2.0 * B,R (N) E A/S 1 EA-6B

Goal. Mission Commander performance flight. Demonstrate proficiency in single-ship techniques in an armed recce environment.

Requirements. Lead an SEAD-3201. Plan, brief, and execute SEAD in support of armed recce.

Discuss:

SEAD in support of armed recce.
HARM in support of armed recce.

Perform:

Develop scenario providing friendly and enemy ground order of battle, SAMs/ADA, Fire Support Coordination Measures, etc.
Conduct mission analysis based on given scenario.
Conduct EW targeting in support of given scenario.
Build JMPS mission to include route and mission cards.
Utilize both threat is the target and threat is not the target profiles.
Proper communications procedures.
Execute planned mission based on Mission Commander's guidance.
React to mission developments and pop-up threats.
Debrief the flight to include: planning, pre-flight brief, and flight execution. Accurately recall and reconstruct each maneuver using white board and models as applicable.

Performance Standards.
Properly analyze mission.
Properly conduct EW targeting in support of mission.
Properly execute planned mission.
Properly react to mission changes and pop-up threats.
Conducted a minimum of one attack against the threat SAM.
Conducted a minimum of one attack against a target not co-located with threat SAM.
Demonstrate a high degree of ability. Require limited to no input from the Mission Commander.

Crew. MCUT, Mission Commander.

Prerequisites. MC-6400.

Ordnance. CATM-88. 40 Chaff/20 Flares.

External Support. EW Range. Fixed or rotary wing strike aircraft.

MC-6501 2.0 * B,R (N) E A/S 1 EA-6B

Goal. Mission Commander performance flight. Demonstrate proficiency in electronic warfare in support of ground combat operations and combat service support operations.

Requirements. Lead a EA-3301.

Discuss:

Electronic warfare in support of ground combat operations and combat service support operations. Training scenario may include any or all of the following: Convoy support, Raids, Direct Action, MOUT, Counter surface fires, Information Operations.

Perform:
Conduct mission analysis based on given scenario.
Conduct EW targeting in support of given scenario.
Build JMPS mission to include route and mission cards.
Prepare go/no go criteria and flex plan.
Proper communication procedures.
Practice degraded modes of operation.
Execute planned mission based on Mission Commander's guidance.
React to mission developments and pop-up threats.
Debrief the flight to include: planning, pre-flight brief, and flight execution.
Accurately recall and reconstruct each maneuver using white board and models as applicable.

Performance Standards.
Properly analyze mission.
Properly conduct EW targeting in support of mission.
Properly execute planned mission.
Properly react to mission developments and pop-up threats.
Recognize and correct errors. Require limited input from the Mission Commander.

Crew. MCUT, Mission Commander.

Prerequisites. MC-6401.

External Support. EW Range, appropriate Ground Combat Elements.

MC-6502 2.0 * B,R (N) E A/S 1 EA-6B

Goal. Mission Commander performance flight. Demonstrate proficiency in electronic warfare in support of Assault Support.

Requirements. Lead a EA-3303.
Discuss:
Electronic warfare in support of Assault Support. Training scenario may include any or all of the following: Combat Assault Support, CSAR /TRAP, Air Delivery.

Perform:
Conduct mission analysis based on given scenario.
Conduct EW targeting in support of given scenario.
Build JMPS mission to include route and mission cards.
Prepare go/no-go criteria and flex plan.
Introduce proper communication procedures.
Practice degraded modes of operation.
Execute planned mission based on Mission Commander's guidance.
React to mission developments and pop-up threats.
Debrief the flight to include: planning, pre-flight brief, and flight execution.
Accurately recall and reconstruct each maneuver using white board and models as applicable.

Performance Standards.
Properly analyze mission.
Properly conduct EW targeting in support of mission.
Properly execute planned mission.
Properly react to mission developments and pop-up threats.
Recognize and correct errors. Require limited input from the Mission Commander.

Crew. MCUT, Mission Commander.

Prerequisites. MC-6402.

External Support. EW Range, Special Use Airspace, and rotary wing aircraft.

MC-6503 2.0 * B,R (N) E A/S 1 EA-6B

Goal. Mission Commander performance flight. Demonstrate proficiency in single-ship techniques in a close air support environment.

Requirements. Lead a EA-3401.

Discuss:

Electronic warfare in support of CAS.
HARM in support of CAS.

Perform:

Develop scenario providing friendly and enemy ground order of battle, SAMs/ADA, Fire Support Coordination Measures, etc.
Conduct mission analysis based on given scenario.
Conduct EW targeting in support of given scenario.
Build JMPS mission to include route and mission cards.
Utilize both threat is the target and threat is not the target profiles.
Proper communications procedures.
Execute planned mission based on Mission Commander's guidance.
React to mission developments and pop-up threats.
Debrief the flight to include: planning, pre-flight brief, and flight execution.
Accurately recall and reconstruct each maneuver using white board and models as applicable.

Performance Standards.
Properly analyze mission.
Properly conduct EW targeting in support of mission.
Properly executed planned mission.
Properly reacted to mission changes and pop-up threats.
Conduct a minimum of one attack against the threat SAM.
Conduct a minimum of one attack against a target not co-located with threat SAM.
Demonstrate a high degree of ability. Require limited to no input from the Mission Commander.

Crew. MCUT, Mission Commander.

Prerequisites. MC-6403.

Ordnance. CATM-88. 40 Chaff/20 Flares.

External Support. EW Range. Fixed or rotary wing strike aircraft.

MC-6504 2.0 * B,R (N) E A 2 EA-6B

Goal. Mission Commander performance flight. Demonstrate proficiency in signal recognition, localization, and recording capabilities in a dense electromagnetic environment.

Requirements. Lead a ES-3501. Shall be planned as a section, may be

flown as a single.

Discuss:
Electronic warfare support (ES) in support of OAS in a dense signal environment.
Employment of HARM as a sensor.

Perform:
Develop scenario providing friendly and enemy ground order of battle, emitters, SAMs/ADA, Fire Support Coordination Measures, etc.
Build JMPS mission.
Introduce proper communications procedures.
Prioritize, detect, identify, localize, and record signals of interest.
Coordinate navigation tracks for ES optimization.
Properly initialize the TJSR.
Maintain ES logs, focusing on SOI.
Debrief the flight to include: planning, pre-flight brief, and flight execution.
Accurately recall and reconstruct each maneuver using white board and models as applicable.

Performance Standards.
Properly analyze mission.
Properly execute planned mission.
Properly react to mission changes and pop-up threats.
Effectively coordinate between ES platforms.
Accurately identify, localize, and record multiple signals by band in a dense electromagnetic environment.
Properly debrief Intel/TCAC using mission ES logs.
Recognize and correct errors. Require limited input from the Mission Commander.

Crew. MCUT, Mission Commander.

Prerequisites. MC-6404

External Support. EW Range and Special Use Airspace.

MC-6505 2.0 * B,R (N) E A/S 1 EA-6B

Goal. Mission Commander performance flight. Demonstrate proficiency in electronic warfare in support of air interdiction.

Requirements. Lead an AE-3601.
Discuss:
Electronic warfare in support of air interdiction.

Introduce/Review:
Conduct mission analysis based on given scenario.
Conduct EW targeting in support of given scenario.
Build JMPS mission to include route and mission cards.
Proper communications procedures.
Execute planned mission based on Mission Commander's guidance.
React to mission developments and pop-up threats.
Debrief the flight to include: planning, pre-flight brief, and flight execution.
Accurately recall and reconstruct each maneuver using white

board and models as applicable.

Performance Standards.
Properly analyze mission.
Properly conduct EW targeting in support of mission.
Properly execute planned mission.
Properly react to mission developments and pop-up threats.
Demonstrate a high degree of ability. Require limited to no input from the Mission Commander.

Crew. MCUT, Mission Commander.

Prerequisites. MC-6405.

External Support. EW Range. Fixed or rotary wing strike aircraft.

MC-6600 2.0 * B,R (N) E A/S EA-6B

Goal. Mission Commander Standardization Evaluation flight. This code is intended to track the completion of the Flight Lead Standardization Evaluation by a designated FLSE. This code may be logged in conjunction with any other MCUT event.

Performance Standards. Lead a standardized mission in accordance with current tactics, techniques, procedures and SOPs.

Crew. MCUT in any crew position. FLSE in any position in the same aircraft.

External Support. FLSE.

MC-6601 2.0 * B,R (N) E A/S EA-6B

Goal. Mission Commander check flight. This code is intended to track the final MCUT event, demonstrating the MCUT's ability to lead a tactical mission, day or night, safely and effectively.

Requirements. MCUT must lead any performance sortie (MC 6500-6505) as the Mission Commander in the aircraft. Scheduled and logged in conjunction with the final MCUT flight code. At the completion of the MCUT syllabus and this check flight, the evaluator will determine that the MCUT is completely prepared and capable of performing all required skills as a Mission Commander. If performance is satisfactory and the Standardization Evaluation is complete, the MC-6601 will be logged.

Performance Standards. See particular performance standards for the event this code is conducted with. Emphasis should be placed on the ability of the MCUT to conduct EA-6B operations safely and effectively. The MCUT should show a high degree of proficiency and understanding of EA-6B TTPs, including an ability to instruct new aircrew.

Crew. MCUT, Mission Commander.

Prerequisites. MC-6400-6600 satisfactorily completed. Completion of MC stage academic requirements.

Ordnance. As required per the event this code is conducted with.

External Support. As required per the event this code is conducted with.

2.13.5 Special Designations. Special designations include Functional Check Flight Pilot/ECMO.

FCF-6700	2.0	*	B,R	*	E	S/A FS

Goal. FCF Pilot/ECMO check flight.

Requirements. Per NATOPS and local SOP.

Performance Standards. Per NATOPS and local SOP.

Crew. FCF Pilot or ECMO under instruction and designated FCF Pilot/ECMO.

Prerequisites. Per NATOPS and local SOP.

2.13.6 Tracking

2.13.6.1 Purpose. To enable squadrons to track certain training evolutions, flight leadership currency, and live weapons employment.

2.13.6.2 General. This section enables squadrons to document and track certain training evolutions, flight leadership currency, and live weapons employment.
(1) Day KC-135 Tanking
(2) Night KC-135 Tanking
(3) Live HARM employment
(4) Most recent NS front-seat flight

2.13.6.3 Crew Requirements. Per the applicable event.

2.13.6.4 Academic Training. Per the applicable event.

AR-6800	0.0	90(PILOT)	D	*	*	Tracking

Goal. Maintain pilot proficiency in day KC-135 tanking.

Requirements. KC-135 tanker boom not MIPRS.

Performance Standards. IAW AR-2400

Crew. Pilot only.

External Support. KC-135.

AR-6801	0.0	90(PILOT)	N	*	*	Tracking

Goal. Maintain pilot proficiency in night KC-135 tanking.

Requirements. KC-135 tanker boom not MIPRS.

Performance Standards. IAW AR-2401.

Crew. Pilot only.

External Support. KC-135.

SWD-6802 0.0 1095 * * * Tracking

Goal. Successful firing of live HARM.

Requirements. Live HARM employment.

Performance Standards. IAW EA-2607/2608.

Crew. Pilot/ECMO 1/2/3.

Ordnance. AGM-88.

External Support. Range clearing asset (P-3, AWACS, etc.), target emitter, and target placement equipment.

2.14 AVIATION CAREER PROGRESSION MODEL (ACPM) PHASE (8000)

2.14.1 Purpose. To enhance professional understanding of Marine Aviation and the MAGTF and to ensure aviators possess the requisite skills to fill battle command and battle staff positions in support of the ACE and the MAGTF in a joint environment.

2.14.2 Academic Requirements. ACPM academic training requirements will be tracked and managed in M-SHARP. Commanding officers shall ensure the requisite ACPM training requirements have been met prior to designating flight leaders.

2.14.3 Stages. The following stages are included in the ACPM:

PAR	STAGE
2.15.3.1	Core Skill Training Events
2.15.3.2	Mission Skill Training Events
2.15.3.3	Flight Leadership Training Events
2.15.3.3.a	Section Leader
2.15.3.3.b	Division Leader
2.15.3.3.c	Mission Commander

2.14.3.1 ACPM Core Skill Training Events. To provide and introduce basic integration of the ACE within the MAGTF and ACE Battle Staff planning.

ACPM-8200 0.5 *

MACCS Agencies, Functions, and Control of Aircraft and Missiles

Learning Objectives.

Understand the organization of the MACG and the agencies provided by the MACG that form the MACCS.
Understand the mission and tasks of the Tactical Air Command Center (TACC).
Understand the mission and tasks of the Tactical Air Operations Center (TAOC).

Understand the mission and tasks of marine Air Traffic Control (MATC) and the marine Air Traffic Control Mobile Team (MMT).
Understand the mission and tasks of the Direct Air Support Center (DASC).
Understand the mission and tasks of the Low Altitude Air Defense (LAAD) Battalion.
Understand the mission and tasks of the Marine Unmanned Aerial Vehicle (VMU) squadron.
Understand the mission and tasks of the Marine Wing Communication Squadron (MWCS).

ACPM-8201 0.5 *

MWCS Brief

Learning Objectives.

From a list be able to identify the core competencies of the MWCS.
Without the aid of reference, describe the organization of the MWCS.
Without the aid of reference, identify key equipment used by the MWCS to support the MACCS.

ACPM-8202 0.8 *

ACA and Airspace

Learning Objectives.

List the three fundamental principles of airspace command and control.
List and explain the three tenets of the integrated combat airspace command and control system.
Describe the responsibilities of the ACA.
Describe the responsibilities of the AMCT.
Understand the definitions of Air Direction and Air Control as well as the subsets of those two major categories.
List a variety of items encompassed within the ACP.

ACPM-8210 0.7 *

Aviation Ground Support

Learning Objectives.

Identify the organization responsible for providing Aviation Ground Support (AGS) to the MAW.
Identify the four concepts for MAGTF Forward Operating Bases (FOBs).
Identify the five activities the Marine Wing Support Squadron (MWSS) performs for the ACE when deployed.
Identify the four classifications of FOBs and state the distinguishing characteristics of each.
Identify the fourteen functions of AGS.

ACPM-8230 TBD *

ACE Battle Staff

Learning Objectives.

To introduce and explain the intel capabilities/products available to the ACE/MAGTF.
To introduce ALSA comm brevity terms.
Introduce functions and responsibilities of ACE Battle Staff.

ACPM-8231 TBD *

Battle Command Display

Learning Objectives.

Introduce the Battle Command Display.

ACPM-8240 1.7 * R

Six Functions of Marine Aviation

Learning Objectives.

To better understand the 6 functions of Marine Corps Aviation.

ACPM-8241 0.8 *

JTAR/ASR Introduction and Practical Application

Learning Objectives.

Understand the ATO cycle and the request process.
Write a technically correct JTAR.
Write a technically correct EW JTAR.
Write a technically correct EARF.
Write a technically correct ASR.
Track submitted air requests using various web-based programs.
Introduce the Automated Tracking System.

ACPM-8242 TBD *

Site Commander Primer

Learning Objectives.

Introduce fundamentals and functions of Site Command.

ACPM-8250 0.9 *

Theater Air Ground System (TAGS)

Learning Objectives.

Identify the primary characteristics of TAGS.
Identify the primary surveillance agency within the Theater Air Control System.
Identify the element within the Army Air and Ground System responsible for integrating operational fires and synchronizing deep operations.
Identify the element within the Navy's Tactical Air Control System responsible for coordinating power projection.

Identify the commander within an amphibious task force who is subordinate to the Air Defense Commander (ADC) and responsible for the detection and engagement of hostile tracks in the AOA.
Identify the Marine Corps' contribution to overall Theater Air Ground System.

2.14.3.2 ACPM Mission Skill Training Events. To provide and introduce basic integration of the ACE within the MAGTF and Joint environment.

ACPM-8300 0.9 *

Air Defense

Learning Objectives.

Outline the principles of Air Defense.
Understand the composition of an Integrated Air Defense System (IADS).
Define Active and Passive Air Defense.
Identify the (4) primary pillars of Passive Air Defense operations.

ACPM-8310 0.8 *

Forward Arming Refueling Point (FARP) Operations

Learning Objectives.

State the mission and objective of a FARP.
Explain the planning considerations of a FARP.
Explain the techniques of employment.
Describe the procedures necessary for movement of aircraft through a FARP and various layouts.

ACPM-8311 0.8 *

Marine Corps Tactical Fuel Systems

Learning Objectives.

State the basic history of the Bulk Fuel community.
Identify the four major fuel systems and their capabilities.
State the job description of the Bulk Fuel Specialist.

ACPM-8320 1.0 *

Joint Structure & Joint Air Operations

Learning Objectives.

Understand the criteria used by the Joint Force Commander (JFC) when selecting the Joint Forces Air Component Commander (JFACC).
Understand the duties and responsibilities of the five divisions of Joint Air and Space Operations Center (JAOC).
Know the types of sorties the MAGTF Commander must make available to the JFACC for tasking.
Understand the primary responsibilities of the Area Air Defense Commander (AADC).

Understand the purpose of the Airspace Control Order (ACO).
Become familiar with the six phases of the Joint Air Tasking Cycle.

ACPM-8321 0.3 *

Joint Air Tasking Cycle Phase 1: Strategy Development

Learning Objectives.

Understand how the JFC normally provides air apportionment guidance to the Joint Forces Air Component Commander (JFACC).
Understand the air apportionment process.
Understand who drafts the AOD and what the AOD provides the JAOC.
Understand how objectives and tasks are prioritized.

Prerequisite. ACPM-8320.

ACPM-8322 0.3 *

Joint Air Tasking Cycle Phase 2: Target Development

Learning Objectives.

Understand the purpose of the Joint Integrated Prioritized Target List (JIPTL).
Understand the purpose for the joint targeting coordination board and its participants.
Understand the target development process.
Know the product of phase 2 of the joint air tasking cycle.
Understand what provides the foundation for phase 2 of the joint air tasking cycle.

Prerequisite. ACPM-8321.

ACPM-8323 0.3 *

Joint Air Tasking Cycle Phase 3: Weaponeering and Allocation

Learning Objectives.

Understand weaponeering and how it is conducted within the joint air tasking cycle.
Understand the Allocation Request Message (ALLOREQ) and how it is used in producing the MAAP.
Understand the air allocation process.
Understand the purpose of the MAAP team and what is contained in the MAAP.
Understand the purpose of the Sortie Allocation (SORTIEALLOT) message.

Prerequisite. ACPM-8322.

ACPM-8324 0.3 *

Joint Air Tasking Cycle Phase 4: Joint ATO Production

Learning Objectives.

Understand the role of joint ATO production within the joint air tasking cycle.
Understand the responsibilities of the joint ATO production team.
Understand the processes used in the production of the joint air tasking order.
Understand how TBMCS 1.1.3 is used to produce the joint air tasking order.

Prerequisite. ACPM-8323.

ACPM-8325 0.3 *

Joint Air Tasking Cycle Phase 5: Force Execution

Learning Objectives.

Understand the primary functions and responsibilities of the AOC.
Understand how the JAOC organizes for the execution phase.
Understand how TBMCS 1.1.3 is used during the execution phase.

Prerequisite. ACPM-8324.

ACPM-8326 0.3 *

Joint Air Tasking Cycle Phase 6: Combat Assessment

Learning Objectives.

Understand the three inter-related components of combat assessment.
Understand the key factors concerning the three components of combat assessment.
Understand the purpose of BDA based upon current doctrine.
Understand physical damage, functional damage, and the target system assessment process.
Understand the purpose of the re-attack recommendation.

Prerequisite. ACPM-8325.

ACPM-8340 0.5 *

Integrating Fires & Airspace within the MAGTF

Learning Objectives.

List the (14) Fire Support Principles.
Identify and discuss the (2) types of FSCMs.
Identify where most of the fire support coordination occurs within the MAGTF.
Discuss the purpose of ACMs.
Discuss the need for integrating FSCMs and ACMs.
Identify the required components of the JFA as an FSCM.
Identify the differences between the JFA and GARS.

ACPM-8350 0.9 *

Phasing Control Ashore

Learning Objectives.

Identify the Navy agency most akin to the LF FSCC.
Identify what must be established ashore for control to be phased from the Navy TACC to the landing force.

ACPM-8351 0.9

TACRON Organizations and Functions

TBD

2.14.3.3 ACPM Flight Leadership Training Events

(1) Purpose. To provide the prospective flight leader the concepts of basic integration of the MAGTF within the Joint environment.

(2) General. Completion of Flight Leadership Training Events is required prior to the following flight leadership designations:

(a) Section Leader: ACPM-8630, ACPM-8660.

(b) Division Leader: ACPM-8640, ACPM-8641.

(c) Mission Commander: ACPM-8620, ACPM-8660.

However, the Aircrew Under Instruction does not need to be in a specific flight leader syllabus in order to complete 8600 level training events.

ACPM-8620 TBD *

ESG/CSG Integration

ACPM-8630 1.0 *

Tactical Air Command Center (TACC)

Learning Objectives.

Without aid of references, identify the mission of the TACC.
Without aid of references, identify the major tasks/duties of the TACC.
Without aid of references, identify the three sections being supported by intelligence.
Without aid of references, identify the key TACC personnel and their responsibilities.
Without aid of references, identify the equipment associated with a full TACC capability.

ACPM-8640 0.9

Joint Data Network

Learning Objectives.

Understand the four components of the JDN.
Understand the differences between the Single Integrated Air Picture (SIAP), Common Tactical Picture (CTP), and Common Operational Picture (COP).
Understand the differences between Sensor Network(s), Joint Data Network (JDN), and Joint Planning Network (JPN).
Understand how the ACE builds its CTP and how information is shared throughout the ACE and the Marine Air Command and Control System (MACCS).
Know the primary system that will "tie in" the intelligence flow throughout the Marine Aviation Command and Control System (MACCS).

ACPM-8641 1.3 *

MAGTF Theater and National ISR Employment

Learning Objectives.

Define priority intelligence requirement.
Identify basic tenets of the National Imagery Interpretability Rating Scale.
Recognize strengths and weaknesses of the EO, SAR, and IR sensors found on national satellites.
Know the three categories of SIGINT.
Identify the information requirements used in the UAS planning process.
Identify what effective planning of UAS employment involves.
Identify key planning considerations outlined for UAS employment.
Define "Non-Traditional ISR".
Identify the most common shortfalls on JTARs submitted for NTISR support.
Identify the most common shortfalls on JTARs submitted for ATARS support.
Identify different imagery products ATARS can provide.

ACPM-8660 0.4 *

Joint Ops Intro

Learning Objectives.

Understand Joint Operation Command relationships.
Understand the main responsibilities for each Functional Component Commander.

2.15 T&R ATTAIN AND MAINTAIN TABLE

T&R EVENT INFORMATION				(PILOT) ATTAIN PROFICIENCY				(PILOT) MAINTAIN PROFICIENCY		PREREQUISITES	CHAINING
T&R DESCRITION	SKILL	EVENT #	RE-FLY	BASIC POI		REFRESHER POI		MAINTAIN POI			
				SKILL	EVENT#	SKILL	EVENT #	SKILL	EVENT #		
Core Skills (2000 Phase)											
LOW ALTITUDE NAVIGATION	FAM	2000	*	FAM	2000	FAM		FAM			
AERODYNAMICS		2001	*		2001						
BASIC AIRCRAFT MANUEVERS		2002	*		2002						
VMAQ OPS IN-BRIEF		2003	*		2003						
VMAQ DSS IN-BRIEF		2004	*		2004						
LOCAL COURSE RULES BRIEF		2005	*		2005						
RADAR USE		2006	*		2006						
EP SIM		S2100R	90		S2100R		S2100R		S2100R		
NAVIGATION SIM		S2101	*		S2101					2003,2004,2005	
INSTRUMENT NAVIGATION		2102R	365		2102R		2102R		2102R	2100,2101	
RADAR NAVIGATION		2103R	365		2103R		2103R		2103R	2102,2006	2102
VISUAL NAVIGATION		2104R	180		2104R		2104R		2104R	2000,2102	2102
BAM SIM		S2105	*		S2105					2001,2002	
BASIC AIRCRAFT MANEUVERS		2106R	365		2106R		2106R		2106R	2102, 2105	2102
SECTION FORMATION	FORM	2010	*	FORM	2010	FORM		FORM			
SECTION BASICS		2200	*		2200					2102,2010	2102
SECTION TACFORM		2201R	180		2201R		2201R		2201R	2200	
SECTION VNAV		2202R	180		2202R		2202R		2202R	2201	2104, 2201
NITE LAB	NS	2020	*	NS	2020	NS		NS			
NVD USE		2021	*		2021						
SLAP SOFTWARE		2022	*		2022						
NSQ OPEN BOOK EXAM		2023	*		2023					2020,2021,2022	
NS FAM		2300R	180		2300R		2300R		2300R	2102,2023	2102
NS VNAV		2301	*		2301					2104,2300	2102,2104,2300
NS SECTION		2302	*		2302					2202,2301	2102,2104,2300
AERIAL REFUELING	AR	2030	*	AR	2030	AR		AR			
SPECIFIC TANKER PROCEDURES		2031	*		2031						
DAY AIR REFUELING		2400R	180		2400R		2400R		2400R	2102,2030,2031	2102
NIGHT REFUELING		2401R	180		2401R		2401R		2401R	2400	2102, 2400

T&R EVENT INFORMATION				(PILOT) ATTAIN PROFICIENCY				(PILOT) MAINTAIN PROFICIENCY		PREREQUISITES	CHAINING
				BASIC POI		REFRESHER POI		MAINTAIN POI			
T&R DESCRITION	SKILL	EVENT #	RE-FLY	SKILL	EVENT#	SKILL	EVENT #	SKILL	EVENT #		
ES TACTICS	ES	2040	*	ES	2040	ES		ES			
MATT/IDM FUNDAMENTALS		2041	*		2041						
LINK-16 FUNDAMENTALS		2042	*		2042						
LINK-16 PLANNING & TACTICAL EMPLOYMENT		2043	*		2043						
ALQ-218 BASIC SIM		S2500	*		2500					2040	
ALQ-218 SIG RECCE SIM		S2501R	545		S2501R		S2501R		S2501R	2500	
MATT/IDM		2503	*		2503					2041	
LINK 16		2504R	545		2504R		2504R		2504R	2042,2043	
EA TACTICS	EA	2050	*	EA	2050	EA		EA		2042,2043	
USQ-113 FUNDAMENTALS		2051	*		2051						
HARM FUNDAMENTALS I		2052	*		2052						
HARM FUNDAMENTALS II		2053	*		2053					2052	
HARM FUNDAMENTALS III		2054	*		2054					2053	
HARM TARGETING & DECONFLICTION		2055	*		2055					2054	
TJS VS RADAR SIM		S2600	*		S2600					2050	
TJS VS COMMS SIM		S2601	*		S2601					2050	
USQ-113 EA SIM		S2603R	545		S2603R		2603R		2603R	2051	
HARM FS SIM		S2605	*		S2605					2055	
HARM CDNU		2607R	180		2607R		2607R		2607R	2605	
AIRCRAFT PERFORMANCE	TRXN	2060	*	TRXN	2060	TRXN		TRXN			
AIRCRAF SURVIVABILITY EQUIPMENT		2061	*		2061						
ALE-47		2062	*		2062						
THREAT REACTION		2063	*		2063						
THREAT REACTION SIM		S2700	*		2700					2106,2060,2061,2062,2063	
THREAT REACTION		2701R	180		2701R		2701R		2701R	2700	
Mission Skills (3000 Phase)											
EXP (NOT A SORTIE)	EXP	3100R	365	EXP	3100R	EXP	3100R	EXP	3100R	2000,2001,2002,2003,2004,2005,2006 2010,2020,2021,2022,2023,2030,2031 2100,2101,2102,2103,2104,2105,2106 2200,2201,2202,2203,2300,2301,2302 2400,2401	SEE T&R TEXT
FIRE SUPPORT COORDINATION MEASURES	SEAD	3011	*	SEAD	3011	SEAD		SEAD			
EA-6B ISO SCAR		3020	*		3020						
SEAD SIM		S3200	*		S3200					2501,2607,3011,3020,2602,2603,3000 2608,	
SEAD		3201R	365		3201R		3201R		3201R	3200	

T&R EVENT INFORMATION				(PILOT) ATTAIN PROFICIENCY				(PILOT) MAINTAIN PROFICIENCY		PREREQUISITES	CHAINING
				BASIC POI		REFRESHER POI		MAINTAIN POI			
T&R DESCRITION	SKILL	EVENT #	RE-FLY	SKILL	EVENT#	SKILL	EVENT #	SKILL	EVENT #		
TASK FORCE SUPPORT	EA	3000	*	EA	3000	EA		EA			
EA-6B ISO CAS		3010	*		3010						
GCE/CSS OPS SIM		S3300	*		S3300					2501,2502,2602,2603,3000	
GCE/CSS OPS		3301R	365		3301R		3301R		3301R	3300	
ASSAULT SPT SIM		S3302	*		S3302					2502,2602,2603,2607,2608,3000	
ASSAULT SPT		3303R	365		3303R		3303R		3303R	3302	
EWCAS SIM		S3400	*		S3400					2502,2602,2603,2607,2608,3010,3011	
EWCAS		3401R	365		3401R		3401R		3401R	3400	
ES SIM	ES	S3500	*	ES	S3500	ES		ES		2501,2502	
ES		3501R	365		3501R		3501R		3501R	3500	
STRIKE/EW PLANNING	AE	3030	*	AE	3030	AE		AE			
AE SIM		S3600	*		S3600					3021	
AE		3601R	365		3601R		3601R		3601R	3600	
Core Plus Skills (4000 Phase)											
DIVISION FORMATION	FORM	4000	*	FORM	4000	FORM		FORM			
DIVISION BASICS		4100R	365		4100R		4100R		4100R	2200,4000	
LOW ALTITUDE REFUELING	AR	4010	*	AR	4010	AR		AR			
LOW ALT TANKING		4200R	365		4200R		4200R		4200R	2104,2400,4010	2104,2400
ALE-43 BULK CHAFF	EW	4020	*	EW	4020	EW		EW			
EA-6B ISO FLEET TRAINING		4021	*		4021						
EA-6B ISO NATIONAL ASSETS		4022	*		4022						
LITENING POD		4023	*		4023						
ALE-43		4300R	365		4300R		4300R		4300R	2102,4020	
ES WITH NAT ASSETS		4303R	365		4303R		4303R		4303R	3500,4022	3501
LFE OAS/TFS		4304R	365		4304R		4304R		4304R	2102	
LITENING POD OPERATIONS		4305R	365		4305R		4305R		4305R	2102,4023	
BASIC FIGHTER MANEUVERS	**DEFTAC**	4030	*	DEFTAC	4030	DEFTAC		DEFTAC			
INTERCEPT CONTROL		4031	*		4031						
1V1 WVR CONDUCT		4032	*		4032						
1V1 BVR CONDUCT		4033	*		4033						
1V1 WVR FLIGHT		4500R	365		4500R		4500R		4500R	2106,2701,4030,4032	
BVR SIM		S4501	*		S4501					2106,2701,4031,4033	
1V1 BVR FLIGHT		4502R	365		4502R		4502R		4502R	4500,4501	
EA-6B OPERATIONS AND COURSE RULES	EAF	4040	*	EAF	4040	EAF		EAF			
EAF EMERGENCY PROCEDURES		4041	*		4041						

T&R EVENT INFORMATION				(PILOT) ATTAIN PROFICIENCY				(PILOT) MAINTAIN PROFICIENCY		PREREQUISITES	CHAINING
T&R DESCRITION	SKILL	EVENT #	RE-FLY	BASIC POI		REFRESHER POI		MAINTAIN POI			
				SKILL	EVENT#	SKILL	EVENT #	SKILL	EVENT #		
EAF/FCLP SIM		S4600	*		S4600					4040,4041	
DAY EAF		4601R	365		4601R		4601R		4601R	4600	
NIGHT EAF		4602R	365		4602R		4602R		4602R	4601	4601
Mission Plus Skills (4000 Phase)											
DAY FCLP		4700	*		4700		4700				
NIGHT FCLP		4701	*		4701		4701			4700	
CQ SIM	CQ	S4702	*	CQ	S4702	CQ	S4702	CQ			
DAY CQ		4703R	180		4703R		4703R		4703R	4700,4702	
NIGHT CQ		4704R	180		4704R		4704R		4704R	4700,4701,4702	

EA-6B ECMO ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				(ECMO) ATTAIN PROFICIENCY				MAINTAIN PROFICIENCY		PREREQUISITES	CHAINING
T&R DESCRITION	STAGE	EVENT #	RE-FLY	BASIC POI		REFRESHER POI		MAINTAIN POI			
				STAGE	EVENT #	STAGE	EVENT #	STAGE	EVENT #		
LOW ALTITUDE NAVIGATION	FAM	2000	*	FAM	2000	FAM		FAM			
AERODYNAMICS		2001	*		2001						
BASIC AIRCRAFT MANEUVERS		2002	*		2002						
VMAQ OPS IN-BRIEF		2003	*		2003						
VMAQ DSS IN-BRIEF		2004	*		2004						
LOCAL COURSE RULES		2005	*		2005						
RADAR USE		2006	*		2006						
EP SIM		S2100R	90		S2100R		S2100R		S2100R		
NAVIGATION SIM		S2101	*		S2101					2003,2004,2005	
INSTRUMENT NAVIGATION		2102R	365		2102R		2102R		2102R	2100,2101	
RADAR NAVIGATION		2103R	365		2103R		2103R		2103R	2102,2006	2102
VISUAL NAVIGATION		2104R	180		2104R		2104R		2104R	2000,2102	2102
BAM SIM		S2105	*		2105					2001,2002	
BASIC AIRCRAFT MANEUVERS		2106R	365		2106R		2106R		2106R	2102,2005	2102
SECTION FORMATION	FORM	2010	*	FORM	2010	FORM		FORM			
SECTION BASICS		2200	*		2200					2102,2010	2102
SECTION TACFORM		2201R	180		2201R		2201R		2201R	2200	2102
SECTION VNAV		2202R	180		2202R		2202R		2202R	2201	2104
NITE LAB	NS	2020	*	NS	2020	NS		NS			
NVD USE		2021	*		2021						
SLAP SOFTWARE		2022	*		2022						
NSQ OPEN BOOK EXAM		2023	*		2023					2020,2021,2022	
NS FAM		2300R	180		2300R		2300R		2300R	2102, 2023	2102
NS VNAV		2301	*		2301					2104,2300	2102,2104,2300
NS SECTION		2302	*		2302					2301,2202	2102,2104,2202 ,2300
AERIAL REFUELING	AR	2030	*	AR	2030	AR		AR			
SPECIFIC TANKER PROCEDURES		2031	*		2031						
DAY AIR REFUELING		2400R	180		2400R		2400R		2400R	2102,2030,2031	2102
NIGHT REFUELING		2401	180		2401		2401R		2401R	2400	2102, 2400

EA-6B ECMO ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				(ECMO) ATTAIN PROFICIENCY				MAINTAIN PROFICIENCY		PREREQUISITES	CHAINING
T&R DESCRITION	STAGE	EVENT #	RE-FLY	BASIC POI		REFRESHER POI		MAINTAIN POI			
				STAGE	EVENT #	STAGE	EVENT #	STAGE	EVENT #		
ES TACTICS	ES	2040	*	ES	2040	ES		ES			
MATT/IDM FUNDAMENTALS		2041	*		2041						
LINK-16 FUNDAMENTALS		2042	*		2042						
LINK-16 PLANNING & TACTICAL EMPLOYMENT		2043	*		2043						
ALQ-218 BASIC SIM		S2500	*		2500					2040	
ALQ-218 SIG RECCE SIM		S2501R	545		2501R		2501R		2501R	2500	
ALQ-218 BASICS (ECMO ONLY)		2502R	365		2502R		2502R		2502R	2501	
MATT/IDM		2503R	365		2503R		2503R		2503R	2041	
LINK 16		2504R	365		2504R		2504R		2504R	2042,2043	
EA TACTICS	EA	2050	*	EA	2050	EA		EA			
USQ-113 FUNDAMENTALS		2051	*		2051						
HARM FUNDAMENTALS I		2052	*		2052						
HARM FUNDAMENTALS II		2053	*		2053					2052	
HARM FUNDAMENTALS III		2054	*		2054					2053	
HARM TARGETING & DECONFLICTION		2055	*		2055					2054	
TJS VS RADAR SIM		S2600	*		2600					2050	
TJS VS COMMS SIM		S2601	*		2601					2050	
TJS BASICS (ECMO ONLY)		2602R	365		2602R		2602R		2602R	2600,2601	2600,2601
USQ-113 EA SIM		S2603	365		S2603		S2603		S2603	2051	
USQ-113 EA (ECMO ONLY)		2604R	365		2604R		2604R		2604R	2603	2603
HARM FS SIM		S2605	*		S2605					2055	
HARM BS SIM (ECMO ONLY)		S2606	*		S2606					2055	
HARM CDNU		2607R	180		2607R		2607R		2607R	2605	
HARM BS(ECMO ONLY)		2608R	365		2608R		2608R		2608R	2606	
AIRCRAFT PERFORMANCE	TRXN	2060	*	TRXN	2060	TRXN		TRXN			
AIRCRAFT SURVIVABILITY EQUIPMENT		2061	*		2061						
ALE-47		2062	*		2062						
THREAT REACTION		2063	*		2063						
THREAT REACTION SIM		S2700	*		2700					2106,2060,2061,2062,2063	
THREAT REACTION		2701R	365		2701R		2701R		2701R	2700	
Mission Skills (3000 Phase)											
EXP (NOT A SORTIE)	EXP	3100R	365	EXP	3100R	EXP	3100R	EXP	3100R	2000,2001,2002,2003,2004,2005,2006,2010,2020, 2021,2022,2023,2030,2031,2100,2101,2102,2103, 2104,2105,2106,2200,2201,2202,2203,2	

EA-6B ECMO ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				(ECMO) ATTAIN PROFICIENCY				MAINTAIN PROFICIENCY		PREREQUISITES	CHAINING
T&R DESCRITION	STAGE	EVENT #	RE-FLY	BASIC POI		REFRESHER POI		MAINTAIN POI			
				STAGE	EVENT #	STAGE	EVENT #	STAGE	EVENT #		
										300,2301, 2302,2400,2401	
FIRE SUPPORT COORDINATION MEASURES	SEAD	3011	*	SEAD	3011	SEAD		SEAD			
EA-6B ISO SCAR		3020	*		3020						
SEAD SIM		S3200	*		3200					3020	
SEAD		3201R	365		3201R		3201R		3201R	3200	
TASK FORCE SUPPORT	EA	3000	*	EA	3000	EA		EA			
EA-6B ISO CAS		3010	*		3010						
GCE/CSS OPS SIM		S3300	*		3300					2501,2502,2602,2603,3000	
GCE/CSS OPS		3301R	365		3301R		3301R		3301R	3300	
ASSAULT SPT SIM		S3302	*		3302					2502,2602,2603,2607,2608,3000	
ASSAULT SPT		3303R	365		3303R		3303R		3303R	3302	
EWCAS SIM		S3400	*		3400					2502,2602,2603,2607,2608,3010,3011,	
EWCAS		3401R	365		3401R		3401R		3401R	3400	
ES SIM	ES	S3500	*	ES	3500	ES		ES		2501,2502	
ES		3501R	365		3501R		3501R		3501R	3500	
STRIKE/EW PLANNING	AE	3021	*	AE	3021	AE		AE			
AE SIM		S3600	*		3600					3021	
AE		3601R	365		3601R		3601R		3601R	3600	
DIVISION FORMATION	FORM	4000	*	FORM	4000	FORM		FORM			
DIVISION BASICS		4100R	365		4100R		4100R		4100R	2200,4000	
LOW ALTITUDE REFUELING	AR	4010	*	AR	4010	AR		AR			
LOW ALTITUDE TANKING		4200R	365		4200R		4200R		4200R	2104,2400,4010	2104, 2400
ALE-43 BULK CHAFF	EW	4020	*	EW	4020	EW		EW			
EA-6B ISO FLT TRN		4021	*		4021						
EA-6B ISO NAT ASS		4022	*		4022						
LITENING POD		4023	*		4023						
ALE-43		4300R	365		4300R		4300R		4300R	2102,4020	
ES WITH NAT ASSETS		4303R	365		4303R		4303R		4303R	3500,4022	3501
LFE OAS/TFS		4304R	365		4304R		4304R		4304R	2102	
LITENING POD OPERATIONS		4305R	365		4305R		4305R		4305R	2102,4023	
BASIC FIGHTER MANEUVERS	DEFTAC	4030	*	DEFTAC	4030	DEFTAC		DEFTAC			
INTERCEPT CONTROL		4031	*		4031						

EA-6B ECMO ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				(ECMO) ATTAIN PROFICIENCY				MAINTAIN PROFICIENCY		PREREQUISITES	CHAINING
T&R DESCRITION	STAGE	EVENT #	RE-FLY	BASIC POI		REFRESHER POI		MAINTAIN POI			
				STAGE	EVENT #	STAGE	EVENT #	STAGE	EVENT #		
1V1 WVR CONDUCT		4032	*		4032						
1V1 BVR CONDUCT		4033	*		4033						
1V1 WVR FLIGHT		4500R	365		4500R		4500R		4500R	2106,2701,4030,4032	
BVR SIM		S4501	*		S4501					2106,2701,4031,4033	
1V1 BVR FLIGHT		4502R	365		4502R		4502R		4502R	4500,4501	
EA-6B EAF OPERATIONS AND COURSE RULES		4040	*		4040						
EAF EMERG PROC	EAF	4041	*		4041	EAF		EAF			
EAF/FCLP SIM		4600	*		4600					4040,4041	
DAY EAF		4601R	365	EAF	4601R		4601R		4601R	4600	
NIGHT EAF		4602R	365		4602R		4602R		4602R	4601	4601
DAY FCLP		4700	*		4700		4700				
NIGHT FCLP		4701	*		4701		4701			4700	
CQ SIM	CQ	4702	*	CQ	4702	CQ	4702	CQ			
DAY CQ		4703R	180		4703R		4703R		4703R	4700,4702	
NIGHT CQ		4704R	180		4704R		4704R		4704R	4700,4701,4702	

2.16 SYLLABUS MATRIX

EA-6B / PILOT / ECMO T&R SYLLABUS MATRIX 1000 PHASE																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ ACADEMIC EVENTS		SIM EVENTS		LIVE/ FLIGHT EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
CORE SKILL INTRODUCTION ACADEMICS (0000 PHASE EVENTS)																			
CORE SKILL ACADEMICS																			
AIFN	0000	CHECK-IN	B,R,MR		LEC				*		8.0								0000
AIFN	0001	COURSE RULES / SOP	B,R,MR		LEC				*		1.5								0001
AIFN	0002	ENGINES	B,R,MR		LEC				*		1.0								0002
AIFN	0003	FUEL SYSTEM	B,R,MR		LEC				*		1.0								0003
AIFN	0004	HYDRAULICS	B,R,MR		LEC				*		1.0								0004
AIFN	0005	FLIGHT CONTROLS	B,R,MR		LEC				*		1.0								0005
AIFN	0006	ECS / BLEED AIR	B,R,MR		LEC				*		1.0								0006
AIFN	0007	ELECTRICAL SYSTEM	B,R,MR		LEC				*		1.0								0007
AIFN	0008	GROUND AND TAKE OFF EMERGENCIES	B,R,MR		LEC				*		1.0								0008
AIFN	0009	INFLIGHT EMERGENCIES	B,R,MR		LEC				*		1.0								0009
AIFN	0010	LANDING EMERGENCIES	B,R,MR		LEC				*		1.0								0010
AIFN	0011	CREW RESPONSIBILITIES	B,R,MR		LEC				*		1.0								0011
AIFN	0012	TRAINING SYSTEMS	B,R,MR		CBT				*		1.0								0012
AIFN	0013	EJECTION SEATS	B,R,MR		VIDEO				*		1.0								0013
AIFN	0014	COMMUNICATION SYSTEMS	B,R,MR		CBT				*		1.0								0014
AIFN	0015	ARC-210 RADIO	B,R,MR		CBT				*		1.0								0015
AIFN	0016	ARC-199 RADIO	B,R,MR		CBT				*		1.0								0016
AIFN	0017	AR-3000 SCANNER	B,R,MR		CBT				*		1.0								0017
AIFN	0018	ICS	B,R,MR		CBT				*		1.0								0018
AIFN	0019	EA-6B COCKPITS	B,R,MR		FAM				*		2.0								0019
AIFN	0020	SEAT BRIEF	B,R,MR		FAM				*		1.0								0020
AIFN	0021	CRM	B,R,MR		LEC				*		2.0								0021
AIFN	0022	ORM	B,R,MR		LEC				*		1.0								0022
AIFN	0023	SENSORY PROBLEMS	B,R,MR		LEC				*		2.0								0023
AIFN	0024	HYPOXIA AWARENESS	B,R,MR		LEC				*		2.0								0024
AIFN	0025	BOLDFACE EP EXAM	B,R,MR		EXAM				*		2.0								0025
ABEW	0100	CLASS CHECK-IN	B		LEC				*		2.0								0100
ABEW	0101	SECURITY OF CLASSIFIED	B		LEC				*		2.0								0101
ABEW	0102	JOINT INFORMATION WARFARE	B		LEC				*		2.0								0102
ABEW	0103	EXAM REVIEW	B		REVIEW				*		1.0								0103
ABEW	0104	EXAM	B		EXAM				*		1.0								0104
ABEW	0105	INTRO TO EM ENERGY	B		LEC				*		0.5								0105
ABEW	0106	INTRO TO EM APP	B		LEC				*		3.0								0106
ABEW	0107	BASIC RADAR OPS	B		LEC				*		3.0								0107
ABEW	0108	ADV RADAR OPS	B		LEC				*		2.0								0108
ABEW	0109	MISSILE GUIDANCE TECH	B		LEC				*		4.0								0109
ABEW	0110	EXAM REVIEW	B		REVIEW				*		1.0								0110
ABEW	0111	EXAM	B		EXAM				*		1.0								0111

EA-6B / PILOT / ECMO T&R SYLLABUS MATRIX 1000 PHASE																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ ACADEMIC EVENTS		SIM EVENTS		LIVE/ FLIGHT EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
ABEW	0112	JAMMING FUNDAMENTALS	B		LEC				*		1.0								0112
ABEW	0113	DECEPTION AND CONFUSION EA AND EP; INDIRECT	B		LEC				*		2.0								0113
ABEW	0114	DECEPTION AND CONFUSION EA AND EP; DIRECT	B		LEC				*		2.0								0114
ABEW	0116	COMM JAMMING	B		LEC				*		2.0								0116
ABEW	0118	L.O. TECHNOLOGY	B		LEC				*		2.0								0118
ABEW	0119	EW SUPPORT RECEIVERS	B		LEC				*		2.0								0119
ABEW	0120	EXAM REVIEW	B		REVIEW				*		1.0								0120
ABEW	0121	EXAM	B		EXAM				*		1.0								0121
ABEW	0122	INTRO TO CLASSIFIED APP	B		LEC				*		1.0								0122
ABEW	0123	EW AND INDIRECT THREAT RADARS	B		CBT				*		2.0								0123
ABEW	0124	LAND BASED FIXED SAMS	B		CBT				*		2.0								0124
ABEW	0125	MOBILE RADAR SAMS	B		CBT				*		2.0								0125
ABEW	0126	IR SAMS	B		CBT				*		2.0								0126
ABEW	0127	NON-RADAR, NON IR SAMS	B		CBT				*		2.0								0127
ABEW	0128	ADA SYSTEMS	B		LEC				*		1.0								0128
ABEW	0131	INTRO TO AIRBORNE ENVIRONMENT	B		LEC				*		1.0								0131
ABEW	0132	FSU/PRC FIGHTER & ATTACK AIRCRAFT	B		CBT				*		4.0								0132
ABEW	0133	FSU/PRC BOMBERS	B		CBT				*		3.0								0133
ABEW	0134	US/ALLIED FIGHTER & ATTACK AIRCRAFT	B		CBT				*		4.0								0134
ABEW	0135	US/ALLIED EA AIRCRAFT	B		LEC				*		2.0								0135
ABEW	0136	MISC EMITTERS	B		CBT				*		2.0								0136
ABEW	0139	INTRO TO MARITIME	B		CBT				*		1.0								0139
ABEW	0140	NAVAL NON THREAT	B		CBT				*		1.0								0140
ABEW	0141	NAVAL INDIRECT THREAT EMITTERS	B		CBT				*		1.0								0141
ABEW	0142	NAVAL SAMS	B		CBT				*		2.0								0142
ABEW	0143	NAVAL SSMS	B		CBT				*		1.0								0143
ABEW	0144	NAVAL ADA	B		CBT				*		1.0								0144
ABEW	0145	EXAM REVIEW	B		REVIEW				*		1.0								0145
ABEW	0146	EXAM	B		EXAM				*		1.0								0146
ABEW	0159	BACKSEAT SIMULATOR FAM	B		FAM				*		2.0								0159
AAEW	0300	INTRO TO ALQ-218	B		LEC				*		1.0								0300
AAEW	0301	INTRO TO JMPS	B		LEC				*		1.0								0301
AAEW	0302	ALQ-218 TJSR	B		LEC				*		2.0								0302
AAEW	0303	PDD/TDS CONTROLS	B		CBT				*		1.5								0303
AAEW	0304	JT-1 PROFILE PLANNING	B		JMPS				*		3.0								0304
AAEW	0305	TJSR SIGNAL PROCESSING	B		LEC				*		1.5								0305
AAEW	0306	TASK ANALYSIS	B		LEC				*		2.0								0306
AAEW	0307	TJSR LIBRARIES	B		CBT				*		1.5								0307
AAEW	0308	JT-2 ETIRMS	B		JMPS				*		3.0								0308
AAEW	0309	TJSR INIT	B		CBT				*		1.5								0309

EA-6B / PILOT / ECMO T&R SYLLABUS MATRIX 1000 PHASE																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ ACADEMIC EVENTS		SIM EVENTS		LIVE/ FLIGHT EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
AAEW	0310	OOB & THREAT ANALYSIS I	B		LEC				*		2.0								0310
AAEW	0311	JT-3 OOB & THREAT ANALYSIS II	B		JMPS				*		3.0								0311
AAEW	0312	SIGNAL ANALYSIS DISPLAYS	B		CBT				*		1.5								0312
AAEW	0313	SIGNAL ANALYSIS ID	B		LEC				*		1.5								0313
AAEW	0314	JMPS MISSION GAMEPLAN / PHASE	B		LEC				*		2.0								0314
AAEW	0315	IBS AND MATT	B		LEC				*		1.5								0315
AAEW	0316	MATT NORMAL PROCEDURES	B		LEC				*		1.5								0316
AAEW	0317	TJS MANAGEMENT	B		CBT				*		1.5								0317
AAEW	0318	EXAM REVIEW	B		REVIEW				*		2.0								0318
AAEW	0319	EXAM	B		EXAM				*		2.0								0319
AAEW	0320	INTRO TO TJSR RADAR ENGAGEMENT	B		LEC				*		1.0								0320
AAEW	0321	PE MISSION OVERVIEW	B		LEC				*		2.0								0321
AAEW	0322	TJS PODS	B		CBT				*		1.5								0322
AAEW	0323	JAMMER ASSIGNMENTS	B		CBT				*		1.5								0323
AAEW	0324	JAMMING TECHNIQUES	B		LEC				*		2.0								0324
AAEW	0325	JAMMER LIBRARY STRUCTURE	B		CBT				*		1.5								0325
AAEW	0326	DISPLAY AND PREEMPTIVE ASSIGNMENTS	B		CBT				*		1.5								0326
AAEW	0327	JAMMER ADJUSTMENTS	B		CBT				*		1.5								0327
AAEW	0328A	PHASED MISSION I	B		LEC				*		1.5								0328A
AAEW	0328B	PHASED MISSION II	B		CBT				*		1.5								0328B
AAEW	0329	ALARM ASSIGNMENTS	B		CBT				*		1.5								0329
AAEW	0330	RESPONSIVE ASSIGNMENTS	B		LEC				*		2.0								0330
AAEW	0331	JT-4 JAMMER PLANNING	B		JMPS				*		3.0								0331
AAEW	0332	INTRO TO HARM ENGAGEMENT	B		LEC				*		2.0								0332
AAEW	0333	HARM OPERATIONS I	B		CBT				*		1.5								0333
AAEW	0334	HARM OPERATIONS II	B		CBT				*		1.5								0334
AAEW	0335	HARM PLANNING	B		LEC				*		2.0								0335
AAEW	0336	INTRO TO COMMS EA	B		CBT				*		1.5								0336
AAEW	0337	USQ-113 OVERVIEW	B		LEC				*		2.0								0337
AAEW	0338	INTRODUCTION TO MIDS	B		LEC				*		2.0								0338
AAEW	0339	JT-5 INTRO TO JMPS OUTPUTS I	B		JMPS				*		6.0								0339
AAEW	0340	USQ-113 CONTORLS AND DISPLAYS	B		CBT				*		1.5								0340
AAEW	0341	USQ OPERATIONAL MODES	B		LEC				*		2.0								0341
AAEW	0342	COMMS EA	B		LEC				*		2.0								0342
AAEW	0343	INTRO TO FULL MISSION I	B		JMPS				*		1.0								0343
AAEW	0344	JT-6A JMPS MISSION PLANNING I	B		JMPS				*		6.0								0344
AAEW	0345	JT-6B JMPS MISSION PLANNING II	B		JMPS				*		4.0								0345
AAEW	0346	EXAM REVIEW	B		REVIEW				*		2.0								0346
AAEW	0347	EXAM	B		EXAM				*		2.0								0347
AAEW	0348	JT-7A HARM PLANNING	B		JMPS				*		3.0								0348
AAEW	0349	JT-7B USQ-113 PLANNING	B		JMPS				*		3.0								0349
AAEW	0350	BITS & DEGRADED OPS	B		CBT				*		1.5								0350

EA-6B / PILOT / ECMO T&R SYLLABUS MATRIX 1000 PHASE																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ ACADEMIC EVENTS		SIM EVENTS		LIVE/ FLIGHT EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
AAEW	0351	BITS & DEGRADED OPS	B		LEC				*		2.0								3051
AAEW	0353	USQ-113 TDS OPERATIONS	B		LEC				*		2.0								0353
AAEW	0354	ADVANCED HARM	B		LEC				*		2.0								0354
AAEW	0355	TJS MAINTENANCE	B		CBT				*		1.5								0355
AAEW	0356	INTRO TO MIRC AND LITENING POD	B		LEC				*		2.0								0356
AAEW	0357	JT-8 MISSION OUTPUTS II	B		JMPS				*		3.0								0357
AAEW	0358	INTRO TO FULL MISSION II	B		JMPS				*		1.0								0358
AAEW	0359	SFEW-1114 MISSION PLANNING	B		JMPS				*		6.0								0359
AAEW	0360	EXAM REVIEW	B		REVIEW				*		2.0								0360
AAEW	0361	FINAL EXAM	B		EXAM				*		2.0								0361
ATAC	0401	INTRO TO TACTICS	B		LEC				*		1.0								0401
ATAC	0402	SIPRNET & INTEL SOURCES	B		LEC				*		1.0								0402
ATAC	0403	EA-6B TACTICAL RESOURCES	B		LEC				*		1.0								0403
ATAC	0404	SIX FUNCTIONS OF MARINE AVIATION	B		LEC				*		2.0								0404
ATAC	0405	ELECTRONIC WARFARE	B		LEC				*		1.0								0405
ATAC	0406	LINK 16 / MIDS	B		LEC				*		2.0								0406
ATAC	0407	S-2 / TCAC EMPLOYMENT	B		LEC				*		1.0								0407
ATAC	0408	ALQ-218 ES TACTICS	B		LEC				*		2.0								0408
ATAC	0409	MATT / IDM FUNDAMENTALS	B		LEC				*		2.0								0409
ATAC	0410	SFES-1115 SCENARIO IN BREIF	B		LEC				*		1.0								0410
ATAC	0411	SFES-1115 MISSION PLANNING	B		JMPS				*		8.0								0411
ATAC	0412	EA-6B ISO OAS	B		LEC				*		1.0								0412
ATAC	0413	ATO / ACO / SPINS / JTAT	B		LEC				*		1.0								0413
ATAC	0414	ICAP III EA TACTICS	B		CBT				*		2.0								0414
ATAC	0415	DECM	B		LEC				*		1.0								0415
ATAC	0416	HVAA INTEGRATION AND PLANNING	B		LEC				*		1.0								0416
ATAC	0417	HARM FUNDAMENTALS	B		LEC				*		2.0								0417
ATAC	0418	HARM TARGETING AND DECONFLICTION	B		LEC				*		1.0								0418
ATAC	0419	INTEGRATION/PLANNING WITH OTHER HARM PLATFORMS	B		LEC				*		1.0								0419
ATAC	0420	EMI	B		LEC				*		1.0								0420
ATAC	0421	SFEA-1116 SCENARIO IN BRIEF (AI)	B		LEC				*		1.0								0421
ATAC	0422	SFEA-1116 MISSION PLANNING	B		JMPS				*		16.0								0422
ATAC	0423	EA-6B RSEAD EMPLOYMENT / CHALK TALK	B		LEC				*		1.0								0423
ATAC	0424	SFEA-1117 SCENARIO INBRIEF	B		LEC				*		1.0								0424
ATAC	0425	SFEA-1117 MISSION PLANNING	B		JMPS				*		16.0								0425
ATAC	0426	EXAM REVIEW	B		REVIEW				*		1.0								0426
ATAC	0427	MID-TERM EXAM	B		EXAM				*		2.0								0427
ATAC	0428	EA-6B ISO ASSAULT SUPPORT	B		LEC				*		1.0								0428
ATAC	0429	ALE-43	B		LEC				*		1.0								0429
ATAC	0430	PERSONNEL RECOVERY PROCEDURES	B		LEC				*		1.0								0430
ATAC	0431	SFEA-1118 SCENARIO IN BRIEF	B		LEC				*		1.0								0431

EA-6B / PILOT / ECMO T&R SYLLABUS MATRIX 1000 PHASE																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ ACADEMIC EVENTS		SIM EVENTS		LIVE/ FLIGHT EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
ATAC	0432	SFEA-1118 MISSION PLANNING	B		JMPS				*		16.0								0432
ATAC	0433	EA-6B ISO CLOSE AIR SUPPORT	B		LEC				*		2.0								0433
ATAC	0434	FIRE SUPPORT COORDINATION MEASURES	B		LEC				*		1.0								0434
ATAC	0435	SFEA-1119 / 1120 SCENARIO IN BRIEF	B		LEC				*		1.0								0435
ATAC	0436	SFEA-1119 / 1120 MISSION PLANNING	B		JMPS				*		16.0								0436
ATAC	0437	SFEA-1121 SCENARIO IN BRIEF	B		LEC				*		1.0								0437
ATAC	0438	SFEA-1121 MISSION PLANNING	B		JMPS				*		16.0								0438
ATAC	0439	EA-6B TASK FORCE SUPPORT	B		LEC				*		2.0								0439
ATAC	0440	EA-6B ISO COMMS EA	B		LEC				*		2.0								0440
ATAC	0441	SFEA-1122 SCENARIO IN BRIEF	B		LEC				*		1.0								0441
ATAC	0442	SFEA-1122 MISSION PLANNING	B		JMPS				*		16.0								0442
ATAC	0443	EXAM REVIEW	B		REVIEW				*		1.0								0443
ATAC	0444	FINAL EXAM	B		EXAM				*		1.0								0444
ATAC	0445	SFEA-1123 SCENARIO IN BRIEF	B		LEC				*		1.0								0445
ATAC	0446	SFEA-1123 MISSION PLANNING	B		JMPS				*		16.0								0446
AFAM	0501	AFAM INTRO	B		LEC				*		1.0								0501
AFAM	0502	ENGINE AND RELATED SYSTEMS	B		LEC				*		1.0								0502
AFAM	0503	FUEL SYSTEMS	B		LEC				*		1.0								0503
AFAM	0504	HYDRAULIC SYSTEMS	B		LEC				*		1.0								0504
AFAM	0505	FLIGHT CONTROL SYSTEMS	B		LEC				*		1.0								0505
AFAM	0506	BLEED AIR AND ECS	B		LEC				*		1.0								0506
AFAM	0507	ELECTRICAL SYSTEM	B		LEC				*		1.0								0507
AFAM	0508	FUEL QUANTITY INDICATORS	B		CBT				*		0.7								0508
AFAM	0509	HYDRALUIC SYSTEMS	B		CBT				*		0.7								0509
AFAM	0510	HYDRAULIC SYSTEMS	B		VIDEO				*		0.7								0510
AFAM	0511	FLIGHT CONTROL SYSTEMS	B		VIDEO				*		0.7								0511
AFAM	0512	LANDING AND TAXI SYSTEMS	B		VIDEO				*		0.7								0512
AFAM	0513	ECS	B		VIDEO				*		0.7								0513
AFAM	0516	ELECTRICAL SYSTEM	B		VIDEO				*		0.7								0516
AFAM	0517	PNEUMATIC SYSTEMS	B		CBT				*		0.7								0517
AFAM	0518	AIRCRAFT LIGHTING	B		CBT				*		0.7								0518
AFAM	0520	NKT LANDING PATTERN	B		LEC				*		1.0								0520
AFAM	0522	EXAM REVIEW	B		REVIEW				*		2.0								0522
AFAM	0523	MID-PHASE EXAM I	B		EXAM				*		2.0								0523
AFAM	0531	ARC-210 RADIO	B		CBT				*		1.5								0531
AFAM	0532	APX-118 IFF	B		CBT				*		1.0								0532
AFAM	0533	RADIO / AUDIO CONTROL PANEL	B		CBT				*		0.7								0533
AFAM	0534	FLIGHT INSTRUMENTS	B		CBT				*		0.7								0534
AFAM	0535	DFCS	B		LEC				*		1.0								0535
AFAM	0536	ACLS APPROACHES	B		CBT				*		0.7								0536
AFAM	0537	NAVIGATION SYSTEM OVERVIEW	B		CBT				*		0.7								0537
AFAM	0538	APS-130 RADAR	B		CBT				*		0.7								0538

EA-6B / PILOT / ECMO T&R SYLLABUS MATRIX 1000 PHASE																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ ACADEMIC EVENTS		SIM EVENTS		LIVE/ FLIGHT EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
AFAM	0539	APS-130 RADAR	B		LEC				*		1.0								0539
AFAM	0541	CDNU OPERATIONS I	B		CBT				*		0.7								0541
AFAM	0542	CDNU MISCELLANEOUS OPERATIONS	B		CBT				*		0.7								0542
AFAM	0543	NAVIGATION SYSTEM INTEGRATION	B		LEC				*		1.0								0543
AFAM	0544	DEGRADED NAVIGATION	B		LEC				*		1.0								0544
AFAM	0545	GPS	B		LEC				*		1.0								0545
AFAM	0546	CDNU OPERATONS II	B		LEC				*		1.0								0546
AFAM	0547	EFIS	B		LEC				*		1.0								0547
AFAM	0548	EFIS / ILS	B		LEC				*		1.0								0548
AFAM	0549	CDNU HARM OPERATIONS	B		CBT				*		1.0								0549
AFAM	0561	NATOPS CHART USAGE	B		LEC				*		2.0								0561
AFAM	0562	HIGH AOA FLIGHT CHARACTERISTICS	B		CBT				*		0.7								0562
AFAM	0563	LIMITS AND OCF CHARACTERISTICS	B		LEC				*		1.0								0563
AFAM	0564	BASIC CREW COORDINATION	B		LEC				*		1.0								0564
AFAM	0565	AIRCRAFT CHECKLIST PROCEDURES I	B		CBT				*		0.7								0565
AFAM	0566	AIRCRAFT CHECKLIST PROCEDURES II	B		CBT				*		0.7								0566
AFAM	0567	PREFLIGHT BRIEF AND CHECKLISTS	B		LEC				*		2.0								0567
AFAM	0568	EXAM REVIEW	B		REVIEW				*		2.0								0568
AFAM	0569	MID-PHASE EXAM II	B		EXAM				*		2.0								0569
AFAM	0571	SOP AND EP OVERVIEW	B		LEC				*		1.0								0571
AFAM	0572	GROUND AND TAKEOFF EMERGENCIES	B		LEC				*		2.0								0572
AFAM	0573	EMERGENCY PROCEDURES I	B		CBT				*		0.7								0573
AFAM	0574	INFLIGHT EMERGENCIES I	B		LEC				*		2.0								0574
AFAM	0575	INFLIGHT EMERGENCIES II	B		LEC				*		2.0								0575
AFAM	0576	EMERGENCY PROCEDURES II	B		CBT				*		2.0								0576
AFAM	0577	LANDING EMERGENCIES	B		LEC				*		2.0								0577
AFAM	0578	EMERGENCY PROCEDURES III	B		CBT				*		1.0								0578
AFAM	0579	EMERGENCY PROCEDURES FREEPLAY	B		CBT				*		2.0								0579
AFAM	0580	EXAM REVIEW	B		REVIEW				*		2.0								0580
AFAM	0581	BOLDFACE AND LIMITS EXAM	B		EXAM				*		2.0								0581
AFAM	0583	SPINS	B		VIDEO				*		1.0								0583
AFAM	0584	EA-6B MISHAPS	B		LEC				*		2.0								0584
AFAM	0585	COURSE RULES	B		LEC				*		1.0								0585
AFAM	0586	COURSE RULES EXAM	B		EXAM				*		2.0								0586
AFAM	0587	STANDARD OPERATING PROCEDURES	B		LEC				*		2.0								0587
AFAM	0588	AIRCRAFT CROSS COUNTRY SERVICING	B		CBT				*		0.7								0588
AFAM	0589	AIRCRAFT PREFLIGHT	B		VIDEO				*		0.7								0589
AFAM	0590	AIRCRAFT PREFLIGHT DEMO	B		LEC				*		2.0								0590
AFAM	0591	PLANE CAPTAIN SIGNALS	B		CBT				*		0.7								0591
AFAM	0592	FLIGHTSIDE EXPECTATIONS	B		LEC				*		1.0								0592
AFAM	0593	EA-6B AERODYNAMICS	B		LEC				*		2.0								0593
AFAM	0595	AEROBATICS	B		CBT				*		0.7								0595
AFAM	0597	INSTRUMENT GROUND SCHOOL	B,R,MR		LEC				365		5.0								0597

EA-6B / PILOT / ECMO T&R SYLLABUS MATRIX 1000 PHASE																				
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ ACADEMIC EVENTS		SIM EVENTS		LIVE/ FLIGHT EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
AFAM	0598	NATOPS OPEN BOOK EXAM	B,R,MR		EXAM				365		6.0								0598
AFAM	0599	NATOPS CLOSED BOOK EXAM	B,R,MR		EXAM				365		2.0								0599
AFAM	0601	FORMATION PROCEDURES	B		VIDEO				*		0.7								0601
AFAM	0602	FORMATION PROCEDURES	B		LEC				*		1.0								0602
AFAM	0603	NVD USE BRIEF	B		LEC				*		2.0								0603
AFAM	0604	NITE LAB	B		LEC				*		6.0								0604
AFAM	0605	VISUAL ILLUSIONS AND LOW LEVEL FLYING	B		VIDEO				*		1.5								0605
AFAM	0606	LOW ALTITUDE NAVIGATION	B		LEC				*		2.0								0606
AFAM	0607	NIGHT FLYING	B		CBT				*		0.7								0607
AFAM	0611	AERIAL REFUELING	B		VIDEO				*		1.0								0611
AFAM	0612	AERIAL REFULEING	B		LEC				*		2.0								0612
AFAM	0621	INTRO TO EXPEDITIONARY AIRFIELD OPERATIONS	B		LEC				*		1.0								0621
AFAM	0622	PROWLER FLIGHT CHARACTERISTICS	B		LEC				*		2.0								0622
AFAM	0623	LENS / GLIDESLOPE GEOMETRY	B		LEC				*		1.0								0623
AFAM	0624	LSO RESPONSIBILITIES	B		LEC				*		1.0								0624
AFAM	0625	EAF OPERATIONS	B		LEC				*		2.0								0625
AFAM	0626	EAF EP & CONTINGENCIES	B		LEC				*		2.0								0626
AFAM	0627	EAF PREFLIGHT PLANNING	B		LEC				*		2.0								0627
AFAM	0628	EAF COURSE RULES AND AIRFIELD BRIEF	B		LEC				*		2.0								0628
AFAM	0632	CREW COORDINATION	B		LEC				*		1.0								0632
AFAM	0634	EA-6B AIRCRAFT PERFORMANCE	B		LEC				*		2.0								0634
AFAM	0637	AIRCRAFT SURVIVABILITY EQUIP	B		LEC				*		2.0								0637
AFAM	0638	BASIC DEFENISIVE MANUEVERS	B		LEC				*		2.0								0638
AFAM	0639	ALE-47	B		LEC				*		2.0								0639
CORE SKILL INTRODUCTION ACADEMICS TOTAL										270	542.7	0	0	0	0				
CORE SKILL INTRODUCTION TRAINING BASIC PILOT/ECMO (1000 PHASE EVENTS)																			
SFEW	1001	TJSR OPS AND DISPLAYS	BP	X	S				*				2.0						1001
SFEW	1002	JAMMER ASSIGNMENTS	BP	X	S				*				2.0			1001			1002
SFEW	1003	HARM AND MIDS	BP	X	S				*				2.0			1002			1003
SFEW	1004	USQ AND MATT	BP	X	S				*				2.0			1003			1004
SFEW	1005	INTEGRATED MISSION SCENARIO	BP	X	S				*				2.0			1004			1005
SFEW	1101	TJSR OPS AND DISPLAYS	BE	X	S				*				2.0						1101
SFEW	1102	SYSTEM INITIALIZATION	BE	X	S				*				2.0			1101			1102
SFEW	1103	SIG ACQ AND ID	BE	X	S				*				2.0			1102			1103
SFEW	1104	TJSR REVIEW/MATT	BE	X	S				*				2.0			1103			1104
SFEW	1105	JAMMER ASSIGNMENTS	BE	X	S				*				2.0			1104			1105
SFEW	1106	JAMMER ADJUSTMENTS	BE	X	S				*				2.0			1105			1106
SFEW	1107	PHASED MISSION ET	BE	X	S				*				2.0			1106			1107
SFEW	1108	PHASED MISSION I	BE	X	S				*				2.0			1107			1108

EA-6B / PILOT / ECMO T&R SYLLABUS MATRIX 1000 PHASE																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ ACADEMIC EVENTS		SIM EVENTS		LIVE/ FLIGHT EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
SFEW	1109	JAMMER RESPONSIVE ASSIGNMENTS	BE	X	S				*				2.0			1108			1109
SFEW	1110	HARM	BE	X	S				*				2.0			1109			1110
SFEW	1111	LINK-16 / MIDS	BE	X	S				*				2.0			1110			1111
SFEW	1112	USQ-113	BE	X	S				*				2.0			1111			1112
SFEW	1113	MATT / MIRC	BE	X	S				*				2.0			1112			1113
SFEW	1114	FULL SYSTEM MISSION II	BE	X	S				*				2.0			1113			1114
ADVANCED EW TRAINER										0	0	19	38.0	0	0.0				
SFES	1115	ES / EWBM	BE	X	S				*				2.0			1114			1115
SFEA	1116	AI / DEAD I	BE	X	S				*				2.0			1115			1116
SFEA	1117	ARMED RECCE	BE	X	S				*				2.0			1116			1117
SFEA	1118	ASSAULT SUPPORT	BE	X	S				*				2.0			1117			1118
SFEA	1119	EWCAS I	BE	X	S				*				2.0			1118			1119
SFEA	1120	EWCAS II	BE	X	S				*				2.0			1119			1120
SFEA	1121	AI / DEAD II	BE	X	S				*				2.0			1120			1121
SFEA	1122	TRAP	BE	X	S				*				2.0			1121			1122
SFEA	1123	AI / DEAD III	BE	X	S				*				2.0			1122			1123
SFREQ	1124	BACKSEAT SYSTEMS REVIEW	BE	X	S				*				2.0			1372			1124
SFREQ	1125	BACKSEAT SYSTEMS EVALUATION	BE	X	S				*				2.0			1124			1125
TACTICS TRAINER										0	0	11	22.0	0	0.0				
SFFAM	1230	PILOT NORMAL PROCEDURES / EPS	BP	X	S			(N)	*				1.5						1230
SFFAM	1231	NORMAL PROCEDURES	BP	X	S			D	*				2.0			1230			1231
SFFAM	1232	EFIS/NAV FAM	BP	X	S			D	*				2.0			1231			1232
SFFAM	1233	INSTRUMENT PROCEDURES	BP	X	S			D	*				2.0			1232			1233
SFNAV	1234	RADAR NAVIGATION	BP	X	S			N*	*				2.0			1233			1234
SFEP	1235	EMERGENCY PROCEDURES I	BP	X	S			D	*				2.0			1234			1235
SFEP	1236	EMERGENCY PROCEDURES II	BP	X	S			D	*				2.0			1235			1236
SFEP	1237	EMERGENCY PROCEDURES III	BP	X	S			D	*				2.0			1236			1237
SFFAM	1238	STALLS / SPINS / LAA	BP	X	S			D	*				2.0			1237			1238
SFEA	1239	HARM OPERATIONS	BP	X	S			N*	*				2.0			1238			1239
SFREQ	1240	INSTRUMENT CHECK	BP	X	S			(N*)	*				2.0			1257			1240
SFREQ	1241	NATOPS WARM UP / CRM	BP	X	S			D	*				2.0			1256			1241
SFREQ	1242	NATOPS CHECK	BP	X	S			(N*)	*				2.0			1241			1242
SFNS	1243	NS INTRO	BP	X	S			NS	*				2.0			1269			1243
SFEAF	1244	DAY EAF OPS / EP	BP	X	S			D	*				2.0			1242			1244
SFFAM	1245	BASIC AERO MANEUVERS	BP	X	S			D	*				2.0			1256			1245
SFDM	1246	DEFENSIVE MANEUVERS	BP	X	S			D	*				2.0			1245			1246
PILOT SIM										0	0	17	33.5	0	0.0				
FFAM	1250	BACKSEAT FAM	BP	X	A			(N)	*						2.0				1250
BS FAM										0	0	1	2.0	1	2.0				
FFAM	1251	FAMILIARIZATION	BP	X	A			D	*						2.0	1238			1251
FFAM	1252	FAM / APPROACH TO STALL	BP	X	A			D	*						2.0	1251			1252
FFAM	1253	FAM / LANDINGS	BP	X	A			D	*						2.0	1252			1253
FFAM	1254	FAM / AEROBATICS I	BP	X	A			D	*						2.0	1253			1254

EA-6B / PILOT / ECMO T&R SYLLABUS MATRIX 1000 PHASE																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ ACADEMIC EVENTS		SIM EVENTS		LIVE/ FLIGHT EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
FFORM	1255	DAY FORMATION I	BP	X	A	2		D	*						2.0	1254			1255
FFAM	1256	FAM / SAFE FOR ECMO	BP	X	A			D	*						2.0	1255			1256
FFAM	1257	NIGHT INST / RADAR	BP	X	A			N*	*						2.0	1256			1257
FFORM	1258	DAY FORMATION II	BP	X	A	2		D	*						2.0	1256			1258
FFORM	1259	NIGHT FORMATION I	BP	X	A	2		N*	*						2.0	1257, 1258			1259
FNAV	1260	VISUAL NAV I	BP	X	A			D	*						2.0	1256			1260
FREQ	1261	STANDARDIZATION CHECK	BP	X	A			(N)	*						2.0	1251-1260			1261
FFAM	1262	FAM / AEROBATICS II / HARM	BP	X	A			D	*						2.0	1256			1262
FNAV	1263	VISUAL NAV II	BP	X	A			D	*						2.0	1260			1263
FFORM	1264	TACTICAL FORMATION	BP	X	A	2		D	*						2.0	1258, 1260			1264
FFORM	1265	SECTION VNAV I	BP	X	A	2		D	*						2.0	1263, 1264			1265
FFORM	1266	SECTION VNAV II	BP	X	A	2		D	*						2.0	1265			1266
FFORM	1267	NIGHT FORMATION II	BP	X	A	2		N*	*						2.0	1259			1267
FFORM	1268	DIVISION FORMATION	BP	X	A	3		D	*						2.0	1258			1268
FNAV	1269	NIGHT INSTRUMENT II	BP	X	A			N*	*						2.0	1257			1269
FNS	1270	NIGHT SYSTEMS INTRO	BP	X	A			NS	*						2.0	1243, 1269			1270
FNS	1271	NS VNAV	BP	X	A			NS	*						2.0	1263, 1270			1271
FNS	1272	NS FORMATION	BP	X	A	2		NS	*						2.0	1267, 1271			1272
FAR	1273	DAY AR - KC-130	BP	X	A			D	*						1.5	1268			1273
FAR	1274	NIGHT AR - KC-130	BP	X	A			N	*						1.5	1267, 1273			1274
FFAM	1275	BASIC AERO MANEUVERS	BP	X	A			D	*						1.5	1262, 1263			1275
FTRXN	1276	DEFENSIVE MANEUVERS I	BP	X	A			D	*						1.5	1275			1276
FTRXN	1277	DEFENSIVE MANEUVERS II	BP	X	A			D	*						1.5	1276			1277
FNAV	1278	VNAV TACTICS	BP	X	A			D	*						2.0	1262, 1263			1278
FNAV	1279	INSTRUMENT NAV	BP	X	A			(N)	*						2.0	1256			1279
FFCLP	1280	DAY FCLP (2)	BP	X	A			D	*						1.5	1244			1280
FFCLP	1281	NIGHT FCLP (5)	BP	X	A			N	*						1.5	1280			1281
FEAF	1282	DAY EAF	BP	X	A			D	*						1.5	1280			1282
FEAF	1283	NIGHT EAF	BP	X	A			N	*						1.5	1281			1283
FES	1284	ES / EWBM	BP	X	A			(N)	*						2.0	1278			1284
FEA	1285	EA / TFS	BP	X	A			(N)	*						2.0	1284			1285
FEA	1286	EA / OAS	BP	X	A			(N)	*						2.0	1285			1286
PILOT FLIGHT										0	0	0	0.0	36	67.5				

EA-6B / PILOT / ECMO T&R SYLLABUS MATRIX 1000 PHASE																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ ACADEMIC EVENTS		SIM EVENTS		LIVE/ FLIGHT EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
SFFAM	1330	ECMO NORMAL PROCEDURES / EPS	BE	X	S			D	*				1.5						1330
SFFAM	1331	NORMAL PROCEDURES	BE	X	S			D	*				2.0						1331
SFFAM	1332	EFIS / NAV FAM	BE	X	S			D	*				2.0			1331			1332
SFFAM	1333	INSTRUMENT PROCEDURES	BE	X	S			D	*				2.0			1332			1333
SFFAM	1334	RADAR NAVIGATION	BE	X	S			N*	*				2.0			1333			1334
SFNAV	1335	DEGRADED NAVIGATION	BE	X	S			D	*				2.0			1334			1335
SFEP	1336	EMERGENCY PROCEDURES I	BE	X	S			D	*				2.0			1335			1336
SFEP	1337	EMERGENCY PROCEDURES II	BE	X	S			D	*				2.0			1336			1337
SFEP	1338	EMERGENCY PROCEDURES III	BE	X	S			D	*				2.0			1337			1338
SFFAM	1339	DAY AND NIGHT EAF	BE	X	S			D/N	*				2.0			1338			1339
SFFAM	1340	STALLS / SPINS / LAA	BE	X	S			D	*				2.0			1338			1340
SFEA	1341	FS HARM	BE	X	S			(N)	*				2.0			1340			1341
SFREQ	1342	INSTRUMENT QUALIFICATION	BE	X	S			(N)	*				2.0			1341			1342
SFREQ	1343	NATOPS WARM UP / CRM	BE	X	S			D	*				2.0						1343
SFREQ	1344	NATOPS CHECK	BE	X	S			(N)	*				2.0			1343			1344
SFNS	1345	NS INTRO	BE	X	S			NS	*				2.0			1362, 1365			1345
SFAM	1346	BASIC AERO MANEUVERS	BE	X	S			D	*				2.0			1340			1346
SFTRXN	1347	DEFENSIVE MANEUVERS	BE	X	S			D	*				2.0			1346			1347
FS ECMO SIM										0	0	18	35.5	0	0.0				
FFAM	1350	BACKSEAT FAM	BE	X	A			(N)	*						2.0				1350
BS FAM										0	0	0	0.0	1	2.0				
FFAM	1351	FAMILIARIZATION	BE	X	A			D	*						2.0	1340			1351
FFAM	1352	FAM / APPROACH TO STALL / HARM	BE	X	A			D	*						2.0	1351			1352
FFAM	1353	FAM / LANDINGS	BE	X	A			D	*						2.0	1352			1353
FFAM	1354	RADAR / DEGRADED NAV	BE	X	A			(N)	*						2.0	1352			1354
FFAM	1355	NIGHT INST / RADAR	BE	X	A			N*	*						2.0	1352			1355
FFORM	1356	DAY FORMATION	BE	X	A	2		D	*						2.0	1352			1356
FFORM	1357	TACTICAL FORMATION	BE	X	A	2		D	*						2.0	1356			1357
FNAV	1358	VNAV I	BE	X	A			D	*						2.0	1353			1358
FNAV	1359	VNAV II	BE	X	A			D	*						2.0	1358			1359
FFORM	1360	SECTION VNAV	BE	X	A	2		D	*						2.0	1357, 1359			1360
FFORM	1361	NIGHT FORM	BE	X	A	2		N*	*						2.0	1355, 1356			1361
FNAV	1362	NIGHT OPS	BE	X	A			N	*						2.0	1355			1362
FFAM	1363	BASIC AERO MANEUVERS	BE	X	A			D	*						1.5	1346			1363
FTRXN	1364	DEFENSIVE MANEUVERS I	BE	X	A			D	*						1.5	1363			1364
FREQ	1365	STANDARDIZATION CHECK	BE	X	A			(N)	*						2.0	1344			1365
FNS	1366	NS INTRO	BE	X	A			NS	*						2.0	1345, 1363			1366
FNS	1367	NS VNAV	BE	X	A			NS	*						2.0	1366			1367
FNS	1368	NS FORM	BE	X	A	2		NS	*						2.0	1367			1368

EA-6B / PILOT / ECMO T&R SYLLABUS MATRIX 1000 PHASE																				
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ ACADEMIC EVENTS		SIM EVENTS		LIVE/ FLIGHT EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
FEAF	1369	DAY EAF	BE	X	A			D	*						0.8	1353			1369
FES	1370	ES / EWBM	BE	X	A			(N)	*						2.0	1365			1370
FEA	1371	EA / TFS	BE	X	A			(N)	*						2.0	1370			1371
FEA	1372	EA / OAS	BE	X	A			(N)	*						2.0	1371			1372
FS ECMO FLIGHT										0	0	0	0	22	41.8				
CORE SKILL INTRODUCTION REFRESHER PILOT/ECMO (1000 PHASE)																			
SFFAM	1430	PILOT NORMAL PROCEDURES / EPS	RP,MRP	X	S			(N)	*				1.5						1430
SFFAM	1433	EFIS / NAV FAM	RP,MRP	X	S			D	*				2.0			1430			1433
SFEP	1436	EMERGENCY PROCEDURES II	RP	X	S			D	*				2.0			1433			1436
SFEP	1437	EMERGENCY PROCEDURES III	RP,MRP	X	S			D	*				2.0			1436			1437
SFFAM	1438	STALLS / SPINS / LAA	RP,MRP	X	S			D	*				2.0			1437			1438
SFEA	1439	HARM OPERATIONS	RP	X	S			D	*				2.0			1438			1439
SFREQ	1440	INSTRUMENT CHECK	RP,MRP	X	S/A			(N)	*				2.0			1457			1440
SFREQ	1442	NATOPS CHECK	RP,MRP	X	S/A			(N)	*				2.0			1457			1442
SFFAM	1445	BASIC AERO MANEUVERS	RP	X	S			D	*				2.0			1455			1445
PILOT SIM										0	0	9	17.5	0	0.0				
FFAM	1454	FAM / AEROBATICS	RP,MRP	X	A			D	*						2.0	1438			1454
FFORM	1455	DAY FORMATION	RP,MRP	X	A	2		D	*						2.0	1454			1455
FFAM	1457	NIGHT INST/RADAR	RP,MRP	X	A			N*	*						2.0	1455			1457
FFORM	1459	NIGHT FORMATION	RP	X	A	2		N*	*						2.0	1455, 1457			1459
FNAV	1460	VISUAL NAV	MRP	X	A			D	*						2.0	1455			1460
FNAV	1463	VISUAL NAV	RP	X	A			D	*						2.0	1455			1463
FFORM	1466	SECTION TAC HI/LO	RP	X	A	2		D	*						2.0	1455, 1463			1466
FAR	1473	DAY AIR REFUELING	RP	X	A			D	*						1.5	1455			1473
FAR	1474	NIGHT AIR REFUELING	RP	X	A			N	*						1.5	1459, 1473			1474
FFAM	1475	BASIC AERO MANEUVERS	RP	X	A			D	*						1.5	1445, 1463			1475
PILOT FLIGHT										0	0	0	0.0	10	18.5				
SFFAM	1535	DEGRADED NAVIGATION	RE,MRE	X	S			D	*				2.0						1535
SFEP	1536	EMERGENCY PROCEDURES II	RE	X	S			D	*				2.0			1535			1536
SFEP	1538	EMERGENCY PROCEDURES III	RE,MRE	X	S			D	*				2.0			1536			1538
SFFAM	1540	STALLS / SPINS / LAA	RE,MRE	X	S			D	*				2.0			1538			1540
SFEA	1541	HARM OPERATIONS	RE	X	S			D	*				2.0			1540			1541
SFREQ	1542	INSTRUMENT CHECK	RE,MRE	X	S/A			(N)	*				2.0			1541			1542
SFREQ	1544	NATOPS CHECK	RE,MRE	X	S/A			(N)	*				2.0			1555			1544
SFFAM	1546	BASIC AERO MANEUVERS	RE	X	S			D	*				2.0			1540			1546
FS ECMO SIM										0	0	8	16.0	0	0.0				
FFAM	1552	FAM / RADAR / AERO	RE,MRE	X	A			D	*						2.0	1541			1552

EA-6B / PILOT / ECMO T&R SYLLABUS MATRIX 1000 PHASE																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ ACADEMIC EVENTS		SIM EVENTS		LIVE/ FLIGHT EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
FFAM	1555	NIGHT INST/RADAR	RE,MRE	X	A			N*	*						2.0	1552			1555
FNAV	1559	VNAV I	RE,MRE	X	A			D	*						2.0	1552			1559
FFAM	1563	BASIC AERO MANEUVERS	RE	X	A			D	*						1.5	1546, 1552			1563
FREQ	1565	STANDARDIZATION CHECK	RE,MRE	X	A			(N)	*						2.0	1544			1565
FS ECMO FLIGHT										0	0	0	0.0	5	9.5				

EA-6B / PILOT / ECMO T&R SYLLABUS MATRIX 2000 PHASE																		
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ ACADEMIC EVENTS		SIM EVENTS		LIVE/ FLIGHT EVENTS		NOTES	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME		
CORE SKILL TRAINING (2000 PHASE EVENTS)																	
Familiarization (FAM)																	
AFAM	2000	LOW ALTITUDE NAVIGATION	B		LEC				*		1.5						2000
AFAM	2001	AERODYNAMICS	B		LEC				*		1.5						2001
AFAM	2002	BASIC AIRCRAFT MANUEVERS	B		LEC				*		1.5						2002
AFAM	2003	VMAQ OPS IN-BRIEF	B		CHALK TALK				*		0.5						2003
AFAM	2004	VMAQ DSS IN-BRIEF	B		CHALK TALK				*		0.5						2004
AFAM	2005	LOCAL COURSE RULES BRIEF	B		CHALK TALK				*		0.5						2005
AFAM	2006	RADAR USE	B		CHALK TALK				*		0.5						2006
SFAM	S2100R	EP SIM	B,R,M		S			(N)	90				1.0				2100
SFAM	S2101	NAVIGATION SIM	B		S			(N)	*				2.0				2101
FAM	2102R	INSTRUMENT NAVIGATION	B,R,M		A			(N)	365						2.0		2102
FAM	2103R	RADAR NAVIGATION	B,R,M		A			(N)	365						2.0		2103
FAM	2104R	VISUAL NAVIGATION	B,R,M		A			(NS)	180						2.0		2104
FAM	S2105	BAM SIM	B		S			(N)	*				1.0				2105
FAM	2106R	BASIC AIRCRAFT MANEUVERS	B,R,M		A			(NS)	365						1.5		2106
Formation (FORM)																	
AFORM	2010	SECTION FORMATION	B		LEC				*		1.0						2010
FORM	2200	SECTION BASICS	B		A	2		(N)	*						2.0		2200
FORM	2201R	SECTION TACFORM	B,R,M		A	2		D	180						2.0		2201
FORM	2202R	SECTION VNAV	B,R,M		A	2		D	180						2.0		2202
Night Systems (NS)																	
ANS	2020	NITE LAB	B		LEC				*		4.0						2020
ANS	2021	NVD USE	B		LEC				*		1.5						2021

EA-6B / PILOT / ECMO T&R SYLLABUS MATRIX 2000 PHASE																	
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ ACADEMIC EVENTS		SIM EVENTS		LIVE/ FLIGHT EVENTS		NOTES	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME		
ANS	2022	SLAP SOFTWARE	B		CHALK TALK				*		0.5						2022
ANS	2023	NSQ OPEN BOOK EXAM	B	X	EXAM				*		0.5						2023
NS	2300R	NS FAM	B,R,M		A			NS	180						2.0		2300
NS	2301	NS VNAV	B		A			NS	*						2.0		2301
NS	2302	NS SECTION	B		A	2		NS	*						2.0		2302
Aerial Refueling (AR)																	
AAR	2030	AERIAL REFUELING	B		LEC				*		1.0						2030
AAR	2031	SPECIFIC TANKER PROCEDURES	B		CHALK TALK				*		0.5						2031
AR	2400R	DAY AIR REFUELING	B,R,M		A			D	180						1.0		2400
AR	2401R	NIGHT REFUELING	B,R,M		A			N	180						1.0		2401
Electronic Warfare Support (ES)																	
AES	2040	ES TACTICS	B		LEC				*		1.5						2040
AES	2041	MATT/IDM FUNDAMENTALS	B		LEC				*		1.0						2041
AES	2042	LINK-16 FUNDAMENTALS	B		LEC				*		1.0						2042
AES	2043	LINK-16 PLANNING & TACTICAL EMPLOYMENT	B		LEC				*		1.0						
SES	S2500	ALQ-218 BASIC SIM	B		S			(N)	*				2.0				2500
SES	S2501R	ALQ-218 SIG RECCE SIM	B,R,M		S			(N)	545				2.0				2501
ES	2502R	ALQ-218 BASICS (ECMO ONLY)	B,R,M		A			(N)	365						2.0	ECMO ONLY	2502
SES	2503R	MATT/IDM	B,R,M		S/A/T			(N)	* / 365				1.0				2503
SES	2504R	LINK 16	B,R,M		S/A/T			(N)	545/365				1.0				2504
Electronic Attack (EA)																	
AEA	2050	EA TACTICS	B		LEC				*		1.0						2050
AEA	2051	USQ-113 FUNDAMENTALS	B		LEC				*		1.0						2051
AEA	2052	HARM FUNDAMENTALS I	B		LEC				*		1.5						2052
AEA	2053	HARM FUNDAMENTALS II	B		LEC				*		1.0						2052
AEA	2054	HARM FUNDAMENTALS III	B		LEC				*		1.0						2052
AEA	2055	HARM TARGETING & DECONFLICTION	B		LEC				*		1.0						2055
SEA	S2600	TJS VS RADAR	B		S			(N)	*				2.0				2600
SEA	S2601	TJS VS COMMS	B		S			(N)	*				2.0				2601
EA	2602R	TJS BASICS (ECMO ONLY)	B,R,M		A			(N)	365						2.0	ECMO ONLY	2602
SEA	S2603R	USQ-113 EA SIM	B,R,M		S/A/T			(N)	545/365				2.0				2603
EA	2604R	USQ-113 EA (ECMO ONLY)	B,R,M		A			(N)	365						1.0	ECMO ONLY	2604
SEA	S2605	HARM CDNU	B		S			(N)	*				1.0				2605
SEA	S2606	HARM TDS (ECMO ONLY)	B		S			(N)	*				1.0			ECMO ONLY	2606
EA	2607R	HARM FS	B,R,M		A			(N)	180						1.0		2607

EA-6B / PILOT / ECMO T&R SYLLABUS MATRIX 2000 PHASE																		
STAGE	**EVENT**		**POI**	**E**	**DEVICE**			**COND**	**REFLY**	**GROUND/ ACADEMIC EVENTS**		**SIM EVENTS**		**LIVE/ FLIGHT EVENTS**		**NOTES**	**EVENT CONV**
	CODE	**TITLE**			**TYPE**	**#**	**OPTION**			**#**	**TIME**	**#**	**TIME**	**#**	**TIME**		
EA	2608R	HARM BS (ECMO ONLY)	B,R,M		A			(N)	365						1.0	ECMO ONLY	2608
Threat Reaction (TRXN)																	
ATRXN	2060	AIRCRAFT PERFORMANCE	B		LEC				*		1.0						2060
ATRXN	2061	AIRCRAFT SURVIVABILITY EQUIP	B		LEC				*		1.0						2061
ATRXN	2062	ALE-47	B		LEC				*		1.0						
ATRXN	2063	THREAT REACTION	B		LEC				*		1.0						2062
STRXN	S2700	THREAT REACTION SIM	B		S			(N)	*				1.0				2700
TRXN	2701R	THREAT REACTION	B,R,M		A			(NS)	180						1.5		2701
CORE SKILL TRAINING (2000 PHASE EVENTS)										28	30.5	13	19.0	18	30.0		

EA-6B / PILOT / ECMO T&R SYLLABUS MATRIX 3000 PHASE																	
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ ACADEMIC EVENTS		SIM EVENTS		LIVE/ FLIGHT EVENTS		NOTES	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME		
MISSION SKILL TRAINING (3000 PHASE EVENTS)																	
Aviation Operations from Expeditionary Shore Based Sites (EXP)																	
EXP	3100	EXP (NOT A SORTIE)	B,R,M						365							YES	3100
Suppression of Enemy Air Defenses (SEAD)																	
ACAS	3011	FIRE SUPPORT COORDINATION MEASURES	B		LEC				*		1.5						3011
AAE	3020	EA-6B ISO SCAR	B		LEC				*		1.5						3020
SSEAD	S3200	SEAD SIM	B		S/A			(N)	*				2.0				3200
SEAD	3201R	SEAD	B,R,M		A/S			(N)	365						2.0		3201
ELECTRONIC ATTACK (EA)																	
ATFS	3000	TASK FORCE SUPPORT	B		LEC				*		1.5						3000
ACAS	3010	EA-6B ISO CAS	B		LEC				*		1.5						3010
SEA	S3300	GCE/CSS OPS SIM	B		S/A			(N)	*				2.0				3300
EA	3301R	GCE/CSS OPS	B,R,M		A/S			(N)	365						2.0		3301
SEA	S3302	ASSAULT SPT SIM	B		S/A			(N)	*				2.0				3302
EA	3303R	ASSAULT SPT	B,R,M		A/S			(N)	365						2.0		3303
SEA	S3400	EWCAS SIM	B		S/A			(N)	*				2.0				3400
EA	3401R	EWCAS	B,R,M		A/S			(N)	365						2.0		3401
Electronic Warfare Support (ES)																	
SES	S3500	ES SIM	B		S/A			(N)	*				2.0				3500
ES	3501R	ES	B,R,M		A/S	2		(N)	365						2.0		3501
Aerial Escort (AE)																	
AAE	3021	STRIKE/EW PLANNING	B		LEC				*		1.5						
SAE	S3600	AE SIM	B		S/A			(N)	*				2.0				3600
AE	3601R	AE	B,R,M		A/S			(N)	365						2.0		3601

EA-6B / PILOT / ECMO T&R SYLLABUS MATRIX 3000 PHASE																	
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ ACADEMIC EVENTS		SIM EVENTS		LIVE/ FLIGHT EVENTS		NOTES	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME		
MISSION SKILL TRAINING (3000 PHASE EVENTS)										5	7.5	6	12.0	6	12.0		

EA-6B / PILOT / ECMO T&R SYLLABUS MATRIX 4000 PHASE																	
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ ACADEMIC EVENTS		SIM EVENTS		LIVE/ FLIGHT EVENTS		NOTES	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME		
CORE PLUS TRAINING (4000 PHASE EVENTS)																	
Formation (FORM)																	
AFORM	4000	DIVISION FORMATION	B		LEC				*		1.0						4000
FORM	4100R	DIVISION BASICS	B,R,M		A	3		(N)	365						2.0		4100
Low Altitude Aerial Refueling (AR)																	
AAR	4010	LOW ALTITUDE REFUELING	B		CHALK TALK				*		0.5						4010
AR	4200R	LOW ALT TANKING	B,R,M		A			(N)	365						1.0		4200
Electronic Warfare (EW)																	
AEW	4020	ALE-43 BULK CHAFF	B		LEC				*		1.0						4020
AEW	4023	LITENING POD	B		LEC				*		1.0						
EW	4300R	ALE-43	B,R,M		A			(N)	365						2.0		4300
EW	4303R	ES WITH NAT ASSETS	B,R,M		A			(N)	365						2.0		4303
EW	4304R	LFE	B,R,M		A			(N)	365						2.0		4304
EW	4305R	LITENING POD OPERATIONS	B,R,M		A			(N)	365						2.0		4305
Defensive Tactics (DEFTAC)																	
ADEFTAC	4030	BASIC FIGHTER MANEUVERS	B		LEC				*		1.5						4040
ADEFTAC	4031	INTERCEPT CONTROL	B		LEC				*		1.5						4041
ADEFTAC	4032	1V1 WVR CONDUCT	B		LEC				*		1.5						4042
ADEFTAC	4033	1V1 BVR CONDUCT	B		LEC				*		1.5						4043
DEFTAC	4500R	1V1 WVR FLIGHT	B,R,M	X	A			D	365						1.5		4500
SDEFTAC	S4501	BVR SIM	B	X	S			D	*				2.0				4501
DEFTAC	4502R	1V1 BVR FLIGHT	B,R,M	X	A			D	365						1.5		4502
Expeditionary Air Field Operations (EAF)																	
AEAF	4040	EA-6B OPERATIONS AND COURSE RULES	B		CHALK TALK				*		0.5						4050
AEAF	4041	EAF EMERGENCY PROCEDURES	B		CHALK TALK				*		0.5						4051
SEAF	S4600	EAF/FCLP SIM	B		S			D/N*	*				2.0				4600
EAF	4601R	DAY EAF	B,R,M	X	A			D	365						1.0		4601
EAF	4602R	NIGHT EAF	B,R,M	X	A			N*	365						1.0		4602
Carrier Qualification (CQ)																	
FCLP	4700	DAY FCLP	B,R	X	A			D	*						1.0		4700
FCLP	4701	NIGHT FCLP	B,R	X	A			N*	*						1.0		4701
SCQ	S4702	CQ SIM	B,R		S			D	*				2.0				4702
CQ	4703R	DAY CQ	B,R,M	X	A			D	180						1.5		4703
CQ	4704R	NIGHT CQ	B,R,M	X	A			N*	180						1.5		4704
CORE PLUS TRAINING (4000 PHASE EVENTS)										10	10.5	3	6.0	14	21.0		

EA-6B / PILOT / ECMO T&R SYLLABUS MATRIX 5000 PHASE																	
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ ACADEMIC EVENTS		SIM EVENTS		LIVE/ FLIGHT EVENTS		NOTES	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME		
INSTRUCTOR TRAINING (5000 PHASE EVENTS)																	
Night Systems Instructor (NSI)																	
NSI	5100	IUT NS-2300	B	X	A			NS	*						2.0		5100
NSI	5101	IUT NS-2301	B	X	A			NS	*						2.0		5101
NSI	5102	IUT NS-2302	B	X	A	2		NS	*						2.0		5102
NSI	5103	NSI CERTIFICATION	B,R	X	A	2		NS	*						2.0		5103
Defensive Tactics Instructor (DEFTACI)																	
DEFTACI	5200	IUT TRXN-2701	B	X	A			D	*						1.5		5200
DEFTACI	5201	IUT DEFTAC-4500	B	X	A			D	*						1.5		5201
DEFTACI	5202	IUT DEFTAC-4502	B	X	A			D	*						1.5		5202
DEFTACI	5203	CERTIFY TRXN-2701	B,R	X	A			D	*						1.5		5203
DEFTACI	5204	CERTIFY DEFTAC-4500	B,R	X	A			D	*						1.5		5204
DEFTACI	5205	CERTIFY DEFTAC-4502	B,R	X	A			D	*						1.5		5205
Flight Leadership Standardization Evaluator (FLSE)																	
FLSE	5300	FLSE CERTIFICATION (NOT A FLIGHT)	B,R	X					*								5300
NATOPS Instructor (NTPSI)																	
NTPSI	5400	NTPSI OPEN BOOK EXAM	B,R,M	X	EXAM				365		2.0						5400
NTPSI	5401	NTPSI CLOSED BOOK EXAM	B,R,M	X	EXAM				365		2.0						5401
NTPSI	5402	NTPSI CHECK	B,R,M	X	S/A			(N)	365				2.0				5402
NTPSI	5403	NTPSI CONSOLE	B,R	X	S				*				2.0				5403
Electronic Warfare Tactics Officer (EWTO)																	
EWTO	5500	IUT EWTO	B	X	S/A			(N)	*				2.0				5500
EWTO	5501	IUT EWTO	B	X	S/A			(N)	*				2.0				5501
EWTO	5502	EWTO CERTIFICATION	B,R	X	S/A			(N)	*				2.0				5502
Instrument Evaluator (IE)																	
IE	5600	IE CERTIFICATION	B,R	X	S			(N)	*				2.0				5600
FRS Instructor Pilot (FRS IP)																	
SIP	5700	ACADEMIC OBSERVATION	B		S			D	*				2.0				5700
SIP	5701	ACADEMIC OBSERVATION	B		S			D	*				2.0				5701
SIP	5702	ACADEMIC INSTRUCTION	B		S			D	*				2.0				5702
SIP	5703	FRS IP WORK-UP	B		S			D	*				2.0				5703
SIP	5704	FRS IP WORK-UP	B		S			D	*				2.0				5704
AIP	5705	FRS IP WORK-UP	B		LEC			D	*		2.0						5705
AIP	5706	FRS IP WORK-UP	B		LEC			D	*		2.0						5706
AIP	5707	FRS IP OPEN NATOPS EXAM	B	X	EXAM				*		4.0						5707
AIP	5708	FRS IP CLOSED NATOPS EXAM	B	X	EXAM				*		2.0						5708
SIP	5709	FRS IP WORK-UP	B	X	S			D	*				2.0				5709
SIP	5710	FRS IP NATOPS WARMUP	B	X	S			D	*				2.0				5710
SIP	5711	FRS IP NATOPS / CRM EVAL	B	X	S			D	*				2.0				5711
IP	5712	FRS IUT FLIGHT	B	X	A			D							2.0		5712
IP	5713	FRS IUT FAM / AERO FLIGHT	B	X	A			D							2.0		5713

EA-6B / PILOT / ECMO T&R SYLLABUS MATRIX 5000 PHASE																		
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ ACADEMIC EVENTS		SIM EVENTS		LIVE/ FLIGHT EVENTS		NOTES	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME		
IP	5714	FRS IUT SECTION FLIGHT	B	X	A	2		D							2.0		5714
IP	5715	FRS IUT SECTION FLIGHT	B	X	A	2		D							2.0		5715
IP	5716	FRS IUT STAN CHECK	B	X	A			D							2.0		5716
ABAMI	5730	FRS IP BAM WORK UP	B		LEC						2.0						5730
ABAMI	5731	FRS IP BAM WORK UP	B		LEC						2.0						5731
SBAMI	5732	FRS IP WORK UP	B		S			D					2.0				5732
FBAMI	5733	FRS IP WORK UP	B	X	A			D							2.0		5733
FDIVI	5740	FRS IP DIV LEAD WORK UP	B		A	3		D							2.0		5740
FDIVI	5741	FRS IP DIV LEAD WORK UP	B		A	3		D							2.0		5741
ARI	5742	FRS IP TANK LEAD WORK UP	B		A	3		D							2.0		5742
ARI	5743	FRS IP TANK LEAD WORK UP	B		A	3		N							2.0		5743
FRS Instructor ECMO (FRS IE)																		
SIE	5800	SIMULATOR OBSERVATION	B		S			D	*				2.0				5800
SIE	5801	SIMULATOR OBSERVATION	B		S			D	*				2.0				5801
SIE	5802	SIMULATOR OBSERVATION	B		S			D	*				2.0				5802
SIE	5803	SIMULATOR OBSERVATION	B		S			D	*				2.0				5803
SIE	5804	SIMULATOR OBSERVATION	B		S			D	*				2.0				5804
SIE	5805	SIMULATOR OBSERVATION	B		S			D	*				2.0				5805
AIE	5806	ACADEMIC OBSERVATION	B		LEC						2.0						5806
AIE	5807	ACADEMIC OBSERVATION	B		LEC						2.0						5807
AIE	5808	NATOPS OPEN BOOK EXAM	B	X	EXAM						4.0						5808
AIE	5809	NATOPS CLOSED BOOK EXAM	B	X	EXAM						2.0						5809
SIE	5810	FRS IE AERO / STALLS	B	X	S			D	*				2.0				5810
SIE	5811	FRS IE NATOPS WARM UP	B	X	S			D	*				2.0				5811
SIE	5812	FRS IE NATOPS CHECK	B	X	S			D	*				2.0				5812
IE	5813	FRS IE WORK UP	B	X	A			D	*						2.0		5813
IE	5814	FRS IE FAM / AERO	B	X	A			D	*						2.0		5814
IE	5815	FRS IE TAC FORM	B	X	A	2		D	*						2.0		5815
IE	5816	FRS IE NIGHT SECTION	B	X	A	2		N	*						2.0		5816
IE	5817	FRS IE TAC LOW	B	X	A	2		D	*						2.0		5817
IE	5818	FRS IE OBSERVE EARLY BP	B	X	A			D	*						2.0		5818
IE	5819	FRS IE OBSERVE DYNAMIC BP	B	X	A			D	*						2.0		5819
IE	5820	FRS IE OBSERVE DYNAMIC BP	B	X	A			(N)	*						2.0		5820
IE	5821	FRS IE STAN CHECK	B	X	A			(N)	*						2.0		5821
ABAMI	5830	FRS IE BAM WORK UP	B		LEC						2.0						5830
ABAMI	5831	FRS IE BAM WORK UP	B		LEC						2.0						5831
SBAMI	5832	FRS IE WORK UP	B		S			D					2.0				5832
FBAMI	5833	FRS IE WORK UP	B	X	A			D							2.0		5833
FDIVI	5841	FRS IE DIV LEAD WORK UP	B		A	3		D							2.0		5841
ARIE	5842	FRS IE TANK OBSERVE	B		A	3		D							2.0		5842
ARIE	5843	FRS IE TANK OBSERVE	B		A	3		N							2.0		5843
Expeditionary Airfield Instructor (EAFI)																		
AEAFI	5850	ACADEMIC LECTURE	B	X	LEC				*		2.0						5850

EA-6B / PILOT / ECMO T&R SYLLABUS MATRIX 5000 PHASE																		
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ ACADEMIC EVENTS		SIM EVENTS		LIVE/ FLIGHT EVENTS		NOTES	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME		
AEAFI	5851	ACADEMIC LECTURE	B	X	LEC				*		2.0						5851
AEAFI	5852	ACADEMIC LECTURE	B	X	LEC				*		2.0						5852
AEAFI	5853	ACADEMIC LECTURE	B	X	LEC				*		2.0						5853
AEAFI	5854	ACADEMIC LECTURE	B	X	LEC				*		2.0						5854
AEAFI	5855	ACADEMIC LECTURE	B	X	LEC				*		2.0						5855
AEAFI	5856	ACADEMIC LECTURE	B	X	LEC				*		2.0						5856
AEAFI	5857	ACADEMIC LECTURE	B	X	LEC				*		2.0						5857
AEAFI	5858	ACADEMIC LECTURE	B	X	LEC				*		2.0						5858
SEAFI	5859	EAFI WORK-UP	B	X	S			D	*				2.0				5859
EAFI	5861	EAFI WORK-UP	B	X	A			D	*						1.5		5861
EAFI	5862	EAFI WORK-UP	B	X	A			N*	*						1.5		5862
EAFI	5863	EAFI WORK-UP	B	X	A			D	*						1.5		5863
EAFI	5864	EAFI WORK-UP	B	X	A			D	*						1.5		5864
Contract Instructor (CI)																	
ACI	5900	ACADEMIC OBSERVATION			LEC				*		2.0						5900
ACI	5901	ACADEMIC OBSERVATION			LEC				*		2.0						5901
ACI	5902	ACADEMIC INSTRUCTION		X	LEC				*		2.0						5902
ACI	5903	ACADEMIC INSTRUCTION		X	LEC				*		2.0						5903
SCI	5904	CI WORK-UP			S			D	*				2.0				5904
SCI	5905	CI WORK-UP			S			D	*				2.0				5905
SCI	5906	CI WORK-UP		X	S			D	*				2.0				5906
SCI	5907	CI WORK-UP		X	S			D	*				2.0				5907
SCI	5908	CI WORK-UP			S			D	*				2.0				5908
SCI	5909	CI WORK-UP			S			D	*				2.0				5909
SCI	5910	CI WORK-UP		X	S			D	*				2.0				5910
SCI	5911	CI WORK-UP		X	S			D	*				2.0				5911
INSTRUCTOR TRAINING (5000 PHASE EVENTS)										27	58.0	34	68.0	37	67.0		

EA-6B / PILOT / ECMO T&R SYLLABUS MATRIX 6000 PHASE																	
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ ACADEMIC EVENTS		SIM EVENTS		LIVE/ FLIGHT EVENTS		NOTES	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME		
REQUIREMENTS, QUALIFICATIONS, AND DESIGNATIONS (6000 PHASE EVENTS)																	
NATOPS (NTPS)																	
NTPS	6100	OPEN BOOK EXAM	B,R,M	X	EXAM				365		3.0						6100
NTPS	6101	CLOSED BOOK EXAM	B,R,M	X	EXAM				365		3.0						6101
NTPS	6102	ORAL EXAM	B,R,M	X	EXAM				365		3.0						6102
NTPS	6103	NATOPS CHK	B,R,M	X	S/A			(N)	365				2.0				6103
Instrument (INST)																	
INST	6104	OPEN BOOK INST EXAM	B,R,M	X	EXAM				365		3.0						6105

EA-6B / PILOT / ECMO T&R SYLLABUS MATRIX 6000 PHASE																	
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ ACADEMIC EVENTS		SIM EVENTS		LIVE/ FLIGHT EVENTS		NOTES	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME		
INST	6105	ORAL INST EXAM	B,R,M	X	EXAM				365		1.0						6106
INST	6106	INST GROUND SCHOOL	B,R,M	X	LEC				365		8.0						6106
INST	6107	INST CHK	B,R,M	X	S/A			(N)	365				2.0				6107
Crew Resource Management (CRM)																	
CRM	6108	CRM CHK	B,R,M	X	S/A			(N)	365				2.0				6108
Requirements (REQ)																	
REQ	6109	BS STAN CHK	B,R,M	X	S				365				2.0				
REQ	6110	CI STAN CHK	CI	X	S				365				2.0				6109
Section Leader (SL)																	
SL	6200	SLUT W/U	B	X	A	2		(N)	*						2.0		6200
SL	6201	SLUT W/U	B	X	A	2		D	*						2.0		6201
SL	6202	SLUT W/U	B	X	A	2		D	*						2.0		6202
SL	6203	SLUT W/U	B	X	A	2		NS	*						2.0		6203
SL	6204	SLUT W/U	B	X	A	2		D	*						1.0		6204
SL	6205	SLUT W/U	B	X	A	2		N	*						1.0		6205
SL	6206	SLUT FLSE CHECK	B	X				*	*								6206
SL	6207	SLUT CHECK	B	X	A	2		(N)	*						1.0		6207
Division Leader (DL)																	
DL	6300	DLUT W/U	B	X	A	3+		D	*						2.0		6300
DL	6301	DLUT W/U	B	X	A	3+		N	*						2.0		6301
DL	6302	DLUT W/U	B	X	A	3+		(N)	*						1.0		6302
DL	6303	DLUT FLSE CHECK	B	X				*	*								6303
DL	6304	DLUT CHECK	B	X	A	3+		(N)	*						1.0		6304
Mission Commander (MC)																	
MC	6400	MCUT P&B	B	X	S/A			(N)	*				2.0				6400
MC	6401	MCUT P&B	B	X	S/A			(N)	*				2.0				6401
MC	6402	MCUT P&B	B	X	S/A			(N)	*				2.0				6402
MC	6403	MCUT P&B	B	X	S/A			(N)	*				2.0				6403
MC	6404	MCUT P&B	B	X	S/A	2		(N)	*				2.0				6404
MC	6405	MCUT P&B	B	X	S/A			(N)	*				2.0				6405
MC	6500	MCUT EXECUTE	B,R	X	A/S			(N)	*						2.0		6500
MC	6501	MCUT EXECUTE	B,R	X	A/S			(N)	*						2.0		6501
MC	6502	MCUT EXECUTE	B,R	X	A/S			(N)	*						2.0		6502
MC	6503	MCUT EXECUTE	B,R	X	A/S			(N)	*						2.0		6503
MC	6504	MCUT EXECUTE	B,R	X	A/S	2		(N)	*						2.0		6504
MC	6505	MCUT EXECUTE	B,R	X	A/S			(N)	*						2.0		6505
MC	6600	MCUT FLSE CHECK	B,R	X	A/S			(N)	*						2.0		6600
MC	6601	MCUT CHECK	B,R	X	A/S			(N)	*						2.0		6601
Functional Check Flight (FCF)																	
CF	6700	FCF CHECK	B,R	X	S/A				*				2.0				6700
Tracking Codes (TRK)																	
AR	6800	DAY KC 135 BOOM AR							90							PILOT ONLY	6800
AR	6801	NIGHT KC 135 AR						N	90							PILOT ONLY	6801

EA-6B / PILOT / ECMO T&R SYLLABUS MATRIX 6000 PHASE																	
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ ACADEMIC EVENTS		SIM EVENTS		LIVE/ FLIGHT EVENTS		NOTES	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME		
SWD	6802	LIVE HARM SHOOT							1095								6802
REQUIREMENTS, QUALIFICATIONS, AND DESIGNATIONS (6000 PHASE EVENTS)										6	21.0	12	24.0	19	33.0		

2.17 CONTACT MAWTS-1 EA-6B DIVISION TO RECEIVE T&R SYLLABUS EVALUATION FORMS

2.18 SIMULATOR MISSION ESSENTIAL SUBSYSTEMS MATRIX (MESM)

EA-6B SIMULATOR MISSION ESSENTIAL SUBSYSTEM MATRIX (MESM)		
2F143/2F185/2F188		
Failed Subsystem	**NMC for:**	**PMC for:**
Seat Motion	FAM, TRXN, DEFTAC	Any event other than FAM, TRXN, & DEFTAC
Visual	Any event	
NVG Visual	NS	Any event other than NS
Basic Moving Models	DEFTAC	Any event other than DEFTAC
INS/GPS	Any event	
COMM/NAV	Any event	
Flight Instruments	Any event	
Engine Instruments	Any event	
Flight Controls	Any event	
ASE	TRXN & DEFTAC	Any event other than TRXN & DEFTAC
BRIEF/DEBRIEF FACILITIES		Any event
Notes: 1. PMC at instructor/squadron discretion. 2. 2F188 does not have motion or NVG visual capability. 3. 2F185 is not NS capable.		