

CHAPTER SEVENTEEN

**TACTICAL AIR OPERATIONS
CENTER SUPPLEMENTARY
COURSES**

15 JULY 2002

TAOC - AIR DEFENSE CONTROL OFFICER ACADEMIC SUPPORT PACKAGE

Course Objective: To provide the 7210 with additional ground training as required by MCO P3500.14.

Length: 51 classroom hours

Notes:

1. The Academic Support Package (ASP) is developed by MAWTS-1 and intended for be instruction by a WTI or other qualified squadron instructor. The Academic Syllabus shall be integrated into the combat ready (29 hours of academic instruction), combat qualified (12 hours of academic instruction) and fully combat qualified stages of training (10 hours of academic instruction). Classes delineated in paragraph 5 should be conducted annually for all personnel (11 hours of academic instruction).
2. All classes listed below in the academic syllabus are available on either the secret (S) or unclassified (U) versions of the MAWTS-1 ASP

Academic Syllabus:

1. The following syllabus supports the 200-level (Combat Ready) phase of training:
 - a. In direct support of the SYS (TAOC System Familiarization) Stage, the following academic syllabus shall be completed:
 - (1) Self-Paced Readings:
 - (a) MCDP 6 Command and Control
 - (b) MCWP 3-25.7 TAOC Handbook
 - (c) TM 08565B-10/1 Operating Instructions - TAOM AN/TYQ-23(V)4
 - (2) Lectures:
 - (a) **Prior to Stage Initiation:**
 1. MAWTS-1 Control of Aircraft and Missiles WTI READ AHEAD
 2. C3 Mux Communications C3 ASP
 3. C3 SINCGARS/HAVEQUICK C3 ASP

(b) Prior to Stage Completion:

1. C3 MACCS Information Flow C3 ASP

(c) Chalk Talks: N/A

b. In direct support of the STD (Senior Traffic Director) Stage, the following academic syllabus shall be completed:

(1) Self-Paced Readings:

- (a) JP 3-50.21 Joint TTP for CSAR
- (b) MCRP 3-25B Multi-Service Brevity Codes
- (c) MCWP 3-25D ICAC2

(2) Lectures:

(a) Prior to Stage Initiation:

1. C3 TBMCS Overview C3 ASP
2. C3 Tanker Management C3 ASP
3. C3 ICAO C3 ASP
4. C3 ATO 2000 + Spins Format C3 ASP
5. C3 Marine ATC Detachment C3 ASP

(b) Prior to Stage Completion:

1. C3 ICAC2 C3 ASP

(c) Chalk Talks: N/A

c. In direct support of the SID (Surveillance Identification Director) Stage, the following academic syllabus shall be completed:

(1) Self-Paced Reading:

- (a) CJCSI 6232.01A Deconflicting JTIDS/MIDS Operations
- (b) CJCSM 6120.01B Joint Multi-TADIL Operating Procedures
- (c) Understanding Data Links
- (d) Understanding Link 4A
- (e) Understanding Link 11
- (f) Understanding Link 16

(2) Lectures:

(a) Prior to Stage Initiation:

- | | |
|--------------------------------|-------------|
| 1. MAWTS-1 E4 | GENERIC ASP |
| 2. C3 EP in the MACCS | C3 ASP |
| 3. C3 OPTASKLINK | C3 ASP |
| 4. C3 AN/TPS 59(V)3 Employment | C3 ASP |
| 5. C3 Data Communications | C3 ASP |
| 6. GBAD GBDL | GBAD ASP |

(b) Prior to Stage Completion:

- | | |
|--------------------------------|-------------|
| 1. MAWTS-1 AC2W/ISR Employment | GENERIC ASP |
| 2. C3 Multi-TADIL Network | C3 ASP |

(c) Chalk Talks: N/A

d. In direct support of the SWD (Weapons Training) Stage, the following academic syllabus shall be completed:

(1) Self-Paced Reading:

- (a) CJCSI 3121.01A Standing Rules of Engagement for US Forces
- (b) ATTP 3-1 Vol.2 Threat Reference Guide
- (c) MCRP 3-25B Multi-Service Brevity Codes

(2) Lectures:

(a) Prior to Stage Initiation:

- | | |
|---------------------------|----------|
| 1. TAOC Intercept Control | TAOC ASP |
|---------------------------|----------|

(b) Prior to Stage Completion:

- | | |
|---------------------------|------------------------|
| 1. MAWTS-1 AIM-7 M/H | GENERIC CLASSIFIED ASP |
| 2. MAWTS-1 AIM-9 M | GENERIC CLASSIFIED ASP |
| 3. MAWTS-1 AIM-120 AMRAAM | GENERIC CLASSIFIED ASP |

(c) Chalk Talks: N/A

e. In general support of the Combat Ready Phase, the following academic syllabus should be completed:

(1) Lectures:

- | | |
|--|------------------------|
| (a) MAWTS-1 Fixed Wing Threat to the MAGTF | GENERIC CLASSIFIED ASP |
|--|------------------------|

- (b) MAWTS-1 Rotary Wing Threat to the MAGTF GENERIC CLASSIFIED ASP
- (c) MAWTS-1 Surface to Air Threat to the MAGTF GENERIC CLASSIFIED ASP
- (d) MAWTS-1 Missile and UAV Threat to the MAGTF GENERIC CLASSIFIED ASP
- (e) MAWTS-1 Ground Threat to the MAGTF GENERIC ASP
- (f) MAWTS-1 REC Threat to the MAGTF GENERIC CLASSIFIED ASP
- (g) C3 Tactical Air Operations Center C3 ASP

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

a. In direct support of the SWD (Senior Weapons Director) Stage, the following academic syllabus shall be completed:

(1) Self-Paced Readings:

- (a) CJCSI 3121.01A Standing Rules of Engagement for US Forces
- (b) FM 44-85 Patriot Battalion and Battery Operations
- (c) FM 44-94 Army Air and Missile Defense Command Operations
- (d) ATTP 3-1 Vol.1 General Planning & Employment Considerations
- (e) ATTP 3-1 Vol.2 Threat Reference Guide
- (f) MCDP 1 Warfighting
- (g) MCRP 3-25B Multi-Service Brevity Codes

(2) Lectures:

(a) **Prior to Stage Initiation:**

- 1. C3 Base Defense Zone C3 ASP
- 2. GBAD Stinger Missile System GBAD ASP

(b) **Prior to Stage Completion:**

- 1. C3 Theater Missile Defense C3 ASP
- 2. C3 Allied SAMS C3 ASP
- 3. C3 Deep Air Operations C3 ASP
- 4. C3 JDAM/JSOW & Targeting Requirements C3 ASP

(c) Chalk Talks: MACCS TAC Floor

b. In general support of the Combat Qualified Phase, the following academic syllabus should be completed:

(1) Lectures:

- (a) MAWTS-1 Rules of Engagement **GENERIC CLASSIFIED ASP**
- (b) C3 MAGTF GBAD **C3 ASP**
- (c) C3 Air Defense Weapons Systems
Management **C3 ASP**
- (d) C3 Passive Air Defense in the MACCS **C3 ASP**

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

- a. In direct support of the SAD (Senior Air Director) Stage, the following academic syllabus shall be completed:

(1) Self-Paced Readings:

- (a) MCWP 3-25.2 Multi-Service Procedures for the TAGS
- (b) MCWP3-25.3 MACCS Handbook
- (c) MCWP 3-25.4 Marine TACC Handbook
- (d) MCWP 3-25.4A JAOC/AAMDC Coordination
- (e) MCWP 3-25.5 DASC Handbook
- (f) MCWP 3-25.8 MATCD Handbook
- (g) MCWP 3-25.9 MACCS Comm Handbook
- (h) MCWP 3-25.10 LAAD Bn Handbook
- (i) MCWP 3-37.5 NBC Defense of Fixed Sites, Ports & Airfields
- (j) MCWP 6-22 Communications and Information Systems
- (k) TM 08565B-10/1 Operating Instructions - TAOM AN/TYQ-23(V)4

(2) Lectures:

(a) **Prior to Stage Initiation:**

- 1. C3 Theater Air Ground System **C3 ASP**

(b) **Prior to Stage Completion:**

- 1. MAWTS-1 Information Management & Connectivity **GENERIC ASP**
- 2. MAWTS-1 Intel Preparation of the Battlefield **GENERIC ASP**
- 3. C3 Electronic Targeting & Attack **C3 ASP**

(3) Chalk Talks: MAPP

b. In general support of the Full Combat Qualified Phase, the following academic syllabus should be completed:

(1) Lectures:

- | | |
|--------------------------------|--------|
| (a) C3 Deep Air Operations | C3 ASP |
| (b) C3 NSD ISO Marine Aviation | C3 ASP |
| (c) C3 Frequency Management | C3 ASP |

4. The following classes should be presented to all personnel annually:

- | | |
|--|------------------------|
| a. MAWTS-1 Fixed Wing Threat to the MAGTF | GENERIC CLASSIFIED ASP |
| b. MAWTS-1 Rotary Wing Threat to the MAGTF | GENERIC CLASSIFIED ASP |
| c. MAWTS-1 Surface to Air Threat to the MAGTF | GENERIC CLASSIFIED ASP |
| d. MAWTS-1 Missile and UAV Threat to the MAGTF | GENERIC CLASSIFIED ASP |
| e. MAWTS-1 Ground Threat to the MAGTF | GENERIC ASP |
| f. MAWTS-1 REC Threat to the MAGTF | GENERIC CLASSIFIED ASP |
| g. MAWTS-1 AC2W/ISR Employment | GENERIC ASP |
| h. MAWTS-1 Rules of Engagement | GENERIC CLASSIFIED ASP |
| i. C3 Passive Air Defense in the MACCS | C3 ASP |
| j. C3 Allied SAMs | C3 ASP |
| k. C3 ICAC2 | C3 ASP |

TAOC - TACTICAL AIR DEFENSE CONTROLLER ACADEMIC SUPPORT PACKAGE

Course Objective: To provide the 7236 with additional ground training as required by MCO P3500.14.

Length: 45 classroom hours

Notes:

1. The Academic Support Package (ASP) is developed by MAWTS-1 and intended for be instruction by a WTI or other qualified squadron instructor. The Academic Syllabus shall be integrated into the combat ready (14 hours of academic instruction), combat qualified (21 hours of academic instruction) and fully combat qualified stages of training (9 hours of academic instruction). Classes delineated in paragraph 5 should be conducted annually for all personnel (11 hours of academic instruction).
2. All classes listed below in the academic syllabus are available on either the secret (S) or unclassified (U) versions of the MAWTS-1 ASP

Academic Syllabus:

1. The following syllabus supports the 200-level (Combat Ready) phase of training:
 - a. In direct support of the GBAD (Ground Based Air Defense) Stage, the following academic syllabus shall be completed:

(1) Self-Paced Readings:

- (a) FM 44-85 Patriot Battalion and Battery Operations
- (b) MCWP 3-25.10 LAAD Bn Handbook

(2) Lectures:

(a) **Prior to Stage Initiation:**

- | | |
|------------------------------|--------|
| 1. C3 Allied SAMs | C3 ASP |
| 2. C3 Stinger Missile System | C3 ASP |
| 3. C3 GBDL | C3 ASP |

(b) **Prior to Stage Completion:**

- | | |
|-------------------------|--------|
| 1. C3 Base Defense Zone | C3 ASP |
|-------------------------|--------|

(3) Chalk Talks: N/A

b. In direct support of the AIC (Air Intercept Controller) Stage, the following academic syllabus shall be completed:

(1) Self-Paced Readings:

- (a) CJCSI 3121.01A Standing Rules of Engagement for US Forces
- (b) ATTP 3-1 Vol.2 Threat Reference Guide
- (c) MCRP 3-25B Multi-Service Brevity Codes

(2) Lectures:

(a) **Prior to Stage Initiation:**

- 1. TAOC Intercept Control TAOC ASP

(b) **Prior to Stage Completion:**

- 1. MAWTS-1 AIM-7 M/H GENERIC CLASSIFIED ASP
- 2. MAWTS-1 AIM-9 M GENERIC CLASSIFIED ASP
- 3. MAWTS-1 AIM-120 AMRAAM GENERIC CLASSIFIED ASP

(3) Chalk Talks: N/A

c. In general support of the Combat Ready Phase, the following academic syllabus should be completed:

(1) Lectures:

- (a) MAWTS-1 Fixed Wing Threat to the MAGTF GENERIC CLASSIFIED ASP
- (b) MAWTS-1 Rotary Wing Threat to the MAGTF GENERIC CLASSIFIED ASP
- (c) MAWTS-1 Surface to Air Threat to the MAGTF GENERIC CLASSIFIED ASP
- (d) MAWTS-1 Missile and UAV Threat to the MAGTF GENERIC CLASSIFIED ASP
- (e) MAWTS-1 Ground Threat to the MAGTF GENERIC ASP
- (f) MAWTS-1 REC Threat to the MAGTF GENERIC CLASSIFIED ASP

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

a. In direct support of the STD (Senior Traffic Director) Stage, the following academic syllabus shall be completed:

(1) Self-Paced Readings:

- (a) JP 3-50.21 Joint TTP for CSAR
- (b) MCRP 3-25B Multi-Service Brevity Codes
- (c) MCWP 3-25D ICAC2

(2) Lectures:

(a) **Prior to Stage Initiation:**

- | | |
|-------------------------------|--------|
| 1. C3 TBMCS Overview | C3 ASP |
| 2. C3 Tanker Management | C3 ASP |
| 3. C3 ICAO | C3 ASP |
| 4. C3 ATO 2000 + Spins Format | C3 ASP |
| 5. C3 Marine ATC Detachment | C3 ASP |

(b) **Prior to Stage Completion:**

- | | |
|-------------|--------|
| 1. C3 ICAC2 | C3 ASP |
|-------------|--------|

(3) Chalk Talks: N/A

- b. In direct support of the SID (Surveillance Identification Director) Stage, the following academic syllabus shall be completed:

(1) Self-Paced Reading:

- (a) CJCSI 6232.01A Deconflicting JTIDS/MIDS Operations
- (b) CJCSM 6120.01B Joint Multi-TADIL Operating Procedures
- (c) Understanding Data Links
- (d) Understanding Link 4A
- (e) Understanding Link 11
- (f) Understanding Link 16

(2) Lectures:

(a) **Prior to Stage Initiation:**

- | | |
|--------------------------------|-------------|
| 1. MAWTS-1 E4 | GENERIC ASP |
| 2. C3 EP in the MACCS | C3 ASP |
| 3. C3 OPTASKLINK | C3 ASP |
| 4. C3 AN/TPS 59(V)3 Employment | C3 ASP |
| 5. C3 Data Communications | C3 ASP |
| 6. C3 GBDL | C3 ASP |

(b) Prior to Stage Completion:

- | | |
|---------------------------|--------|
| 1. C3 Multi-TADIL Network | C3 ASP |
| 2. C3 AC2W/ISR Employment | C3 ASP |

(3) Chalk Talks:

(a) MACCS TAC Floor

- c. In general support of the Combat Qualified Phase, the following academic syllabus should be completed:

(1) Lectures:

- | | |
|---|-------------|
| (a) MAWTS-1 Information Management & Connectivity | GENERIC ASP |
| (b) C3 Mux Communications | C3 ASP |
| (c) C3 Data Communications | C3 ASP |
| (d) C3 SINGARS/HAVEQUICK | C3 ASP |
| (e) C3 MACCS Info Flow | C3 ASP |

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

- a. In direct support of the SWD (Senior Weapons Director) Stage, the following academic syllabus shall be completed:

(1) Self-Paced Readings:

- (a) CJCSI 3121.01A Standing Rules of Engagement for US Forces
- (b) FM 44-85 Patriot Battalion and Battery Operations
- (c) FM 44-94 Army Air and Missile Defense Command Operations
- (d) ATTP 3-1 Vol.1 General Planning & Employment Considerations
- (e) ATTP 3-1 Vol.2 Threat Reference Guide
- (f) MCDP 1 Warfighting
- (g) MCRP 3-25B Multi-Service Brevity Codes

(2) Lectures:

(a) Prior to Stage Initiation:

- | | |
|--------------------------------|----------|
| 1. C3 Base Defense Zone | C3 ASP |
| 2. GBAD Stinger Missile System | GBAD ASP |

(b) Prior to Stage Completion:

- | | |
|--|-------------|
| 1. C3 Theater Missile Defense | C3 ASP |
| 2. C3 Allied SAMS | C3 ASP |
| 3. C3 Deep Air Operations | C3 ASP |
| 4. MAWTS-1 JDAM/JSOW &
Targeting Requirements | GENERIC ASP |

(3) Chalk Talks: MAPP

b. In general support of the Full Combat Qualified Phase, the following academic syllabus should be completed:

(1) Lectures:

- | | |
|---|------------------------|
| (a) MAWTS-1 Rules of Engagement | GENERIC CLASSIFIED ASP |
| (b) MAWTS-1 Intel Preparation of
the Battlefield | GENERIC ASP |
| (c) C3 MAGTF GBAD | C3 ASP |
| (d) C3 Theater Air Ground System | C3 ASP |
| (e) C3 Air Defense Wpns Systems Mgmt | C3 ASP |
| (f) C3 Passive Air Defense in the MACCS | C3 ASP |

4. The following classes should be presented to all personnel annually:

- | | |
|--|------------------------|
| a. MAWTS-1 Fixed Wing Threat to the MAGTF | GENERIC CLASSIFIED ASP |
| b. MAWTS-1 Rotary Wing Threat to the MAGTF | GENERIC CLASSIFIED ASP |
| c. MAWTS-1 Surface to Air Threat to the MAGTF | GENERIC CLASSIFIED ASP |
| d. MAWTS-1 Missile and UAV Threat to the MAGTF | GENERIC CLASSIFIED ASP |
| e. MAWTS-1 Ground Threat to the MAGTF | GENERIC ASP |
| f. MAWTS-1 REC Threat to the MAGTF | GENERIC CLASSIFIED ASP |
| g. MAWTS-1 AC2W/ISR Employment | GENERIC ASP |
| h. MAWTS-1 Rules of Engagement | GENERIC CLASSIFIED ASP |
| i. C3 Passive Air Defense in the MACCS | C3 ASP |
| j. C3 Allied SAMS | C3 ASP |
| k. C3 ICAC2 | C3 ASP |

TAOC - AIR CONTROL ELECTRONIC OPERATOR ACADEMIC SUPPORT PACKAGE

Course Objective: To provide the 7234 with additional ground training as required by MCO P3500.14.

Length: 44 classroom hours

Notes:

1. The Academic Support Package (ASP) is developed by MAWTS-1 and intended for be instruction by a WTI or other qualified squadron instructor. The Academic Syllabus shall be integrated into the combat ready (23 hours of academic instruction), combat qualified (13 hours of academic instruction) and fully combat qualified stages of training (8 hours of academic instruction). Classes delineated in paragraph 5 should be conducted annually for all personnel (11 hours of academic instruction).
2. All classes listed below in the academic syllabus are available on either the secret (S) or unclassified (U) versions of the MAWTS-1 ASP

Academic Syllabus:

1. The following syllabus supports the 200-level (Combat Ready) phase of training:
 - a. In direct support of the SYS (TAOC System Familiarization) Stage, the following academic syllabus shall be completed:

(1) Self-Paced Readings:

- (a) MCDP 6 Command and Control
- (b) MCWP 3-25.7 TAOC Handbook
- (c) TM 08565B-10/1 Operating Instructions - TAOM AN/TYQ-23(V)4

(2) Lectures:

(a) Prior to Stage Initiation

- | | |
|---|----------------|
| 1. MAWTS-1 Control of Aircraft & Missiles | WTI READ AHEAD |
| 2. C3 SINCGARS/HAVEQUICK | C3 ASP |

(b) Prior to Stage Completion:

- | | |
|-----------------------|--------|
| 1. C3 MACCS Info Flow | C3 ASP |
|-----------------------|--------|

(3) Chalk Talks: N/A

b. In direct support of the AWC (Assistant Weapons Controller) Stage, the following academic syllabus shall be completed:

(1) Self-Paced Readings:

- (a) FM 44-85 Patriot Battalion and Battery Operations
- (b) MCRP 3-25B Multi-Service Brevity Codes
- (c) MCWP 3-25.10 LAAD Bn Handbook

(2) Lectures:

(a) **Prior to Stage Initiation:**

- 1. C3 Allied SAMS C3 ASP
- 2. C3 Base Defense Zone C3 ASP
- 3. C3 GBDL C3 ASP
- 4. TAOC Intercept Control TAOC ASP

(b) **Prior to Stage Completion:**

- 1. MAWTS-1 Rules of Engagement GENERIC CLASSIFIED ASP
- 2. MAWTS-1 AIM-7 M/H GENERIC CLASSIFIED ASP
- 3. MAWTS-1 AIM-9 M GENERIC CLASSIFIED ASP
- 4. MAWTS-1 AIM-120 AMRAAM GENERIC CLASSIFIED ASP
- 5. C3 Stinger Missile System C3 ASP

(3) Chalk Talks: N/A

c. In direct support of the SO (Surveillance Operator) Stage, the following academic syllabus shall be completed:

(1) Self-Paced Readings:

- (a) CJCSM 6120.01B Joint Multi-TADIL Operating Procedures
- (b) MCWP 3-25.7 TAOC Handbook

(2) Lectures:

(a) **Prior to Stage Initiation:**

- 1. C3 OPTASKLINK C3 ASP

(3) Chalk Talks: N/A

d. In direct support of the SADFO (Sector Air Defense Facility Operator) Stage, the following academic syllabus shall be completed:

(1) Self-Paced Readings:

- (a) MCRP 3-25B Multi-Service Brevity Codes
- (b) TM 08565B-10/1 Operating Instructions - TAOM AN/TYQ-23(V)4

(2) Lectures:

(a) **Prior to Stage Initiation:**

- 1. C3 TBMCS Overview C3 ASP
- 2. C3 ATO 2000 + Spins Format C3 ASP

(3) Chalk Talks: N/A

e. In general support of the Combat Ready Phase, the following academic syllabus should be completed:

(1) Lectures:

- (a) MAWTS-1 Fixed Wing Threat to the MAGTF GENERIC CLASSIFIED ASP
- (b) MAWTS-1 Rotary Wing Threat to the MAGTF GENERIC CLASSIFIED ASP
- (c) MAWTS-1 Surface to Air Threat to the MAGTF GENERIC CLASSIFIED ASP
- (d) MAWTS-1 Missile and UAV Threat to the MAGTF GENERIC CLASSIFIED ASP
- (e) MAWTS-1 Ground Threat to the MAGTF GENERIC ASP
- (f) MAWTS-1 REC Threat to the MAGTF GENERIC CLASSIFIED ASP
- (g) C3 Tactical Air Operations Center C3 ASP

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

a. In direct support of the DLC (Data Link Coordinator) Stage, the following academic syllabus shall be completed:

(1) Self-Paced Readings:

- (a) CJCSI 6232.01A Deconflicting JTIDS/MIDS Operations
- (b) CJCSM 6120.01B Joint Multi-TADIL Operating Procedures
- (c) Understanding Data Links
- (d) Understanding Link 4A

- (e) Understanding Link 11
- (f) Understanding Link 16

(2) Lectures:

(a) **Prior to Stage Initiation:**

- 1. C3 OPTASKLINK C3 ASP
- 2. C3 Data Communications C3 ASP
- 3. C3 GBDL C3 ASP

(b) **Prior to Stage Completion:**

- 1. C3 Multi-TADIL Network C3 ASP

(3) Chalk Talks:

(a) MACCS TAC Floor

- b. In direct support of the TATC (Tactical Air Traffic Controller) Stage, the following academic syllabus shall be completed:

(1) Self-Paced Reading:

- (a) JP 3-50.21 Joint TTP for CSAR
- (b) MCRP 3-25B Multi-Service Brevity Codes

(2) Lectures:

(a) **Prior to Stage Initiation:**

- 1. C3 Tanker Management C3 ASP
- 2. C3 ICAO C3 ASP

(b) **Prior to Stage Completion:**

- 1. C3 ICAC2 C3 ASP

(3) Chalk Talks: N/A

- c. In direct support of the SAD FCC (Sector Air Defense Facility Crew Chief) Stage, the following academic syllabus shall be completed:

(1) Self-Paced Reading:

- (a) MCRP 3-25B Multi-Service Brevity Codes

- (b) MCRP 5-2A Operational Terms and Graphics
- (c) MCWP 6-22 Communications and Information Systems

(2) Lectures:

(a) **Prior to Stage Initiation:**

- 1. MAWTS-1 Intro to Personnel Recovery **GENERIC ASP**

(b) **Prior to Stage Completion:**

- 1. C3 RADC **C3 ASP**

(3) Chalk Talks: N/A

- d. In general support of the Combat Qualified Phase, the following academic syllabus should be completed:

(1) Lectures:

- (a) C3 EP in the MACCS **C3 ASP**
- (b) C3 Electronic Targeting & Attack **C3 ASP**

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

- a. In direct support of the SCC (System Configuration Coordinator) Stage, the following academic syllabus shall be completed:

(1) Self-Paced Readings:

- (a) MCWP 6-22 Communications and Information Systems
- (b) TM 08565B-10/1 Operating Instructions - TAOM AN/TYQ-23(V)4

(2) Lectures:

(a) **Prior to Stage Initiation:**

- 1. MAWTS-1 E4 **GENERIC ASP**
- 2. C3 Mux Communications **C3 ASP**
- 3. C3 AN/TPS 59(V)3 Employment **C3 ASP**

(b) **Prior to Stage Completion:**

- 1. C3 EP in the MACCS **C3 ASP**

(3) Chalk Talks: N/A

b. In general support of the Full Combat Qualified Phase, the following academic syllabus should be completed:

(1) Lectures:

- | | |
|---|-------------|
| (a) MAWTS-1 Information Management & Connectivity | GENERIC ASP |
| (b) MAWTS-1 Theater Air Ground System | GENERIC ASP |
| (c) C3 Frequency Management | C3 ASP |
| (d) C3 Passive Air Defense in the MACCS | C3 ASP |

4. The following classes should be presented to all personnel annually:

- | | |
|--|------------------------|
| a. MAWTS-1 Fixed Wing Threat to the MAGTF | GENERIC CLASSIFIED ASP |
| b. MAWTS-1 Rotary Wing Threat to the MAGTF | GENERIC CLASSIFIED ASP |
| c. MAWTS-1 Surface to Air Threat to the MAGTF | GENERIC CLASSIFIED ASP |
| d. MAWTS-1 Missile and UAV Threat to the MAGTF | GENERIC CLASSIFIED ASP |
| e. MAWTS-1 Ground Threat to the MAGTF | GENERIC ASP |
| f. MAWTS-1 REC Threat to the MAGTF | GENERIC CLASSIFIED ASP |
| g. MAWTS-1 AC2W/ISR Employment | GENERIC ASP |
| h. MAWTS-1 Rules of Engagement | GENERIC CLASSIFIED ASP |
| i. C3 Passive Air Defense in the MACCS | C3 ASP |
| j. C3 Allied SAMs | C3 ASP |
| k. C3 ICAC2 | C3 ASP |

TAOC - AIR DEFENSE CONTROL OFFICER TRAINING SYLLABUS

EVENT	DATE	INSTRUCTOR
COMBAT READY		
TAOC SYSTEM FAMILIARIZATION		
CONTROL OF AIRCRAFT & MISSILES		
MUX COMMUNICATIONS		
SINGGARS/HAVEQUICK		
SYS 200		
SYS 201		
SYS 202		
SYS 203		
SYS 204		
SYS 205		
MACCS INFO FLOW		
SENIOR TRAFFIC DIRECTOR		
TBMCS OVERVIEW		
TANKER MANAGEMENT		
ICAO		
ATO 2000 + SPINS FORMAT		
MARINE ATC DETACHMENT		
STD 210		
STD 211		
STD 212		
STD 213		
ICAC2		
SURVEILLANCE IDENTIFICATION DIRECTOR		
E4		
EP IN THE MACCS		
OPTASKLINK		
AN/TPS 59(V)3 EMPLOYMENT		
DATA COMMUNICATIONS		
GBDL		
SID 230		
SID 231		
SID 232		
SID 233		
SID 234		
SID 235		
SID 236		
SID 237		
SID 238		
SID 239		
AC2W/ISR EMPLOYMENT		
MULTI-TADIL NETWORK		
WEAPONS TRAINING		
INTERCEPT CONTROL		
SWD 250		
SWD 251		
SWD 252		
SWD 253		
SWD 254		
SWD 255		
SWD 260		
SWD 261		
SWD 262		
SWD 263		
SWD 264		
SWD 265		
AIM-7 M/H		
AIM-9 M		
AIM-120 AMRAAM		

EVENT	DATE	INSTRUCTOR
GENERAL SUPPORT ACADEMICS		
FIXED WING THREAT		
ROTARY WING THREAT		
SURFACE TO AIR THREAT		
MISSILE & UAV THREAT		
GROUND THREAT		
REC THREAT		
TACTICAL AIR OPERATIONS CENTER		
COMBAT QUALIFIED		
SENIOR WEAPONS DIRECTOR		
BASE DEFENSE ZONE		
STINGER MISSILE SYSTEM		
SWD 300		
SWD 301		
SWD 302		
THEATER MISSILE DEFENSE		
ALLIED SAMS		
DEEP AIR OPERATIONS		
JDAM/JSOW & TARGETING		
GENERAL SUPPORT ACADEMICS		
RULES OF ENGAGEMENT		
MAGTF GBAD		
AIR DEFENSE WPNS SYSTEMS MGMT		
PASSIVE AIR DEFENSE IN THE		
FULL COMBAT QUALIFIED		
SENIOR AIR DIRECTOR		
THEATER AIR GROUND SYSTEM		
SAD 400		
SAD 401		
SAD 402		
SAD 403		
SAD 404		
SAD 405		
SAD 406		
INFORMATION MGMT & CONT		
INTEL PREP OF THE BATTLEFIELD		
ELECTRONIC TARGETING & ATTACK		
GENERAL SUPPORT ACADEMICS		
DEEP AIR OPERATIONS		
NSD ISO MARINE AVIATION		
FREQUENCY MANAGEMENT		

NAME: _____

SSN: _____

TAOC - AIR DEFENSE CONTROL OFFICER TRAINING SYLLABUS

EVENT	DATE	INSTRUCTOR
<u>REQUIREMENTS, QUALIFICATIONS & DESIGNATIONS</u>		
QUALIFICATIONS		
QUAL 280 STD		
QUAL 281 SID		
QUAL 380 SWD		
QUAL 480 SAD		
DESIGNATIONS		
DESG 290 STD		
DESG 291 SID		
DESG 390 SWD		
DESG 490 SAD		
INSTRUCTOR		
INST 500		
INST 501		
AIR INTERCEPT CONTROL INSTRUCTOR		
NFWS TOPGUN / MAWTS-1 MDTC		
WEAPONS & TACTICS INSTRUCTOR		
MAWTS-1 WTI COURSE		
AIR INTERCEPT CONTROLLER		
AIC 600		
AIC 601		
AIC 602		
AIC 603		
AIC 604		
AIC 605		
AIC 606		
SECTOR AIR DEFENSE FACILITY OPERATIONS OFFICER		
JOINT AIR OPERATIONS		
INTRO TO PERSONNEL RECOVERY		
SADF OPS 610		
SADF OPS 611		
SADF OPS 612		
SECTOR AIR DEFENSE COMMANDER		
TRAP EMPLOYMENT		
RADC		
SADC 620		
SADC 621		
SADC 622		
JOINT INTERFACE CONTROL OFFICER		
JMTS MAJIC COURSE		
JMTS JTIDS COURSE		
JMTS JICO COURSE		
ADVANCED QUALIFICATIONS		
QUAL 680 AIC		
QUAL 681 SADF OPPO		
QUAL 682 SADC		
ADVANCED DESIGNATIONS		
DESG 590 INST		
DESG 591 AICI		
DESG 592 WTI		
DESG 690 AIC		
DESG 691 SADF OPPO		
DESG 692 SADC		
DESG 693 JICO		

NAME: _____

SSN: _____
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TAOC - TACTICAL AIR DEFENSE CONTROLLER TRAINING SYLLABUS

EVENT	DATE	INSTRUCTOR
COMBAT READY		
MISSILE CONTROLLER		
ALLIED SAMS		
STINGER MISSILE SYSTEM		
GBDL		
GBAD 215		
GBAD 216		
GBAD 217		
BASE DEFENSE ZONE		
AIR INTERCEPT CONTROLLER		
INTERCEPT CONTROL		
AIC 220		
AIC 221		
AIC 222		
AIC 223		
AIC 224		
AIC 230		
AIC 231		
AIC 232		
AIC 233		
AIC 234		
AIC 235		
AIC 236		
AIM-7 M/H		
AIM-9 M		
AIM-120 AMRAAM		
GENERAL SUPPORT ACADEMICS		
FIXED WING THREAT		
ROTARY WING THREAT		
SURFACE TO AIR THREAT		
MISSILE & UAV THREAT		
GROUND THREAT		
REC THREAT		
COMBAT QUALIFIED		
SENIOR TRAFFIC DIRECTOR		
TBMCS OVERVIEW		
TANKER MANAGEMENT		
ICAO		
ATO 2000 + SPINS FORMAT		
MARINE ATC DETACHMENT		
STD 300		
STD 301		
STD 302		
ICAC2		
SURVEILLANCE IDENTIFICATION DIRECTOR		
E4		
EP IN THE MACCS		
OPTASKLINK		
AN/TPS 59(V)3 EMPLOYMENT		
DATA COMMUNICATIONS		
GBDL		
SID 310		
SID 311		
SID 312		
SID 313		
SID 314		
AC2W/ISR EMPLOYMENT		
MULTI-TADIL NETWORK		

EVENT	DATE	INSTRUCTOR
GENERAL SUPPORT ACADEMICS		
INFORMATION MGMT & CONT		
MUX COMMUNICATIONS		
DATA COMMUNICATIONS		
SINGGARS/HAVEQUICK		
MACCS INFO FLOW		
FULL COMBAT QUALIFIED		
SENIOR WEAPONS DIRECTOR		
BASE DEFENSE ZONE		
STINGER MISSILE SYSTEM		
SWD 400		
SWD 401		
SWD 402		
THEATER MISSILE DEFENSE		
ALLIED SAMS		
DEEP AIR OPERATIONS		
JDAM/JSOW & TARGETING REQUIREMENTS		
GENERAL SUPPORT ACADEMICS		
RULES OF ENGAGEMENT		
INTEL PREP OF THE BATTLEFIELD		
MAGTF GBAD		
THEATER AIR GROUND SYSTEM		
AIR DEFENSE WPNS SYSTEMS MGMT		
PASSIVE AIR DEFENSE IN THE		
REQUIREMENTS, QUALIFICATIONS & DESIGNATIONS		
QUALIFICATIONS		
QUAL 280 MC		
QUAL 281 AIC		
QUAL 380 STD		
QUAL 381 SID		
QUAL 480 SWD		
DESIGNATIONS		
DESG 290 WC		
DESG 390 STD		
DESG 391 SID		
DESG 490 SWD		
INSTRUCTOR		
INST 500		
INST 501		
AIR INTERCEPT CONTROL INSTRUCTOR		
NFWS TOPGUN / MAWTS-1 MDTC		
WEAPONS & TACTICS INSTRUCTOR		
MAWTS-1 WTI COURSE		
SENIOR AIR DIRECTOR		
SAD 600		
SAD 601		
SAD 602		
SAD 603		
SAD 604		
SAD 605		
SAD 606		

NAME: _____

SSN: _____
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15 JULY 2002

TAOC - TACTICAL AIR DEFENSE CONTROLLER TRAINING SYLLABUS

EVENT	DATE	INSTRUCTOR
JOINT INTERFACE CONTROL OFFICER		
JMTS MAJIC COURSE		
JMTS JTIDS COURSE		
JMTS JICO COURSE		
ADVANCED QUALIFICATIONS		
QUAL 680 SAD		
ADVANCED DESIGNATIONS		
DESG 590 INST		
DESG 591 AICI		
DESG 592 WTI		
DESG 690 SAD		
DESG 691 JICO		

NAME: _____

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15 JULY 2002

TAOC - AIR CONTROL ELECTRONIC OPERATOR TRAINING SYLLABUS

EVENT	DATE	INSTRUCTOR
COMBAT READY		
TAOC SYSTEM FAMILIARIZATION		
CONTROL OF AIRCRAFT & MISSILES		
SINCGARS/HAVEQUICK		
SYS 200		
SYS 201		
SYS 202		
SYS 203		
SYS 204		
SYS 205		
MACCS INFO FLOW		
ASSISTANT WEAPONS CONTROLLER		
ALLIED SAMS		
BASE DEFENSE ZONE		
GBDL		
INTERCEPT CONTROL		
AWC 210		
AWC 211		
AWC 212		
AWC 213		
RULES OF ENGAGEMENT		
AIM-7 M/H		
AIM-9 M		
AIM-120 AMRAAM		
STINGER MISSILE SYSTEM		
SURVEILLANCE OPERATOR		
OPTASKLINK		
SO 220		
SO 221		
SO 222		
SO 223		
SECTOR AIR DEFENSE FACILITY OPERATOR		
TBMCS OVERVIEW		
ATO 2000 + SPINS FORMAT		
SADFO 230		
SADFO 231		
SADFO 232		
SADFO 233		
SADFO 234		
GENERAL SUPPORT ACADEMICS		
FIXED WING THREAT		
ROTARY WING THREAT		
SURFACE TO AIR THREAT		
MISSILE & UAV THREAT		
GROUND THREAT		
REC THREAT		
TACTICAL AIR OPERATIONS CENTER		

EVENT	DATE	INSTRUCTOR
COMBAT QUALIFIED		
DATA LINK COORDINATOR		
OPTASKLINK		
DATA COMMUNICATIONS		
GBDL		
DLC 300		
DLC 301		
DLC 302		
DLC 303		
MULTI-TADIL NETWORK		
TACTICAL AIR TRAFFIC CONTROLLER		
TANKER MANAGEMENT		
ICAO		
TATC 310		
TATC 311		
TATC 312		
ICAC2		
SECTOR AIR DEFENSE FACILITY CREW CHIEF		
INTRO TO PERSONNEL RECOVERY		
SADFCC 320		
RADC		
GENERAL SUPPORT ACADEMICS		
EP IN THE MACCS		
ELECTRONIC TARGETING & ATTACK		
FULL COMBAT QUALIFIED		
SYSTEM CONFIGURATION COORDINATOR		
E4		
MUX COMMUNICATIONS		
AN/TPS 59(V)3 EMPLOYMENT		
SCC 400		
SCC 401		
SCC 402		
SCC 403		
EP IN THE MACCS		
GENERAL SUPPORT ACADEMICS		
INFORMATION MGMT & CONT		
THEATER AIR GROUND SYSTEM		
FREQUENCY MANAGEMENT		
PASSIVE AIR DEFENSE IN THE MACCS		

NAME: _____

SSN: _____
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15 JULY 2002

TAOC - AIR CONTROL ELECTRONIC OPERATOR TRAINING SYLLABUS

EVENT	DATE	INSTRUCTOR
<u>REQUIREMENTS, QUALIFICATIONS & DESIGNATIONS</u>		
QUALIFICATIONS		
QUAL 280 AWC		
QUAL 281 SO		
QUAL 282 SADFO		
QUAL 380 DLC		
QUAL 381 TATC		
QUAL 382 SAD FCC		
QUAL 480 SCC		
DESIGNATIONS		
DESG 290 AWC		
DESG 291 SO		
DESG 292 SADFO		
DESG 390 DLC		
DESG 391 TATC		
DESG 392 SAD FCC		
DESG 490 SCC		
INSTRUCTOR		
INST 500		
INST 501		
SURVEILLANCE IDENTIFICATION DIRECTOR		
E4		
EP IN THE MACCS		
OPTASKLINK		
AN/TPS 59(V)3 EMPLOYMENT		
DATA COMMUNICATIONS		
SID 600		
SID 601		
SID 602		
SID 603		
SID 604		
AC2W/ISR EMPLOYMENT		
MULTI-TADIL NETWORK		
ADVANCED QUALIFICATIONS		
QUAL 680 SID		
ADVANCED DESIGNATIONS		
DESG 590 INST		
DESG 690 SID		

NAME: _____

SSN: _____
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