

CHAPTER FOUR

**KC-130 SUPPLEMENTARY
COURSES**

KC-130 SPECIFIC ACADEMIC SUPPORT PACKAGE

Course Objective: Provide the KC-130 aircrew with additional ground training as required by MCO P3500.14.

Length: 30 classroom hours

Notes:

1. The Academic Support Package (ASP) is developed by MAWTS-1 and intended for instruction by a WTI or other qualified squadron instructor. The Academic Syllabus shall be integrated into the combat ready (15 hours of academic instruction), combat qualified (7 hours of academic instruction) and fully combat qualified stages of training (24 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. Courseware developed by Lockheed Martin and VMGR-253 are referenced and may be obtained from VMGR-253.
3. Chalk Talks are informal discussions led by a WTI or other qualified instructor. Where applicable, chalk talks shall occur prior to stage completion. The chalk talk should occur prior to the flight brief.

Academic Syllabus:

1. The following syllabus supports the 200-level (Combat Ready) phase of training:
 - a. In direct support of the Air Refueling Stage, the following academic syllabus shall be completed:
 - (1) Self-Paced Readings:
 - (a) KC-130 TACMAN VOL 1 Chapter 3
 - (b) KC-130F/R/T NATOPS Chapter 14
 - (c) NATOPS Air-to-Air Refueling Manual
 - (2) Lectures:
 - (a) **Prior to Stage Initiation:**
 1. KC-130 Tactical Aerial Refueling **KC-130 ASP**
 - (3) Chalk Talk: N/A.

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

(1) Self-Paced Readings:

(a) KC-130 TACMAN VOL 1 Chapter 4

(2) Lectures:

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

1. KC-130 Tactical Employment Concepts KC-130 ASP
2. KC-130 Tactical Mission Planning and Low Level Navigation Operation KC-130 ASP

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

1. KC-130 Performance Stresses and Limitations KC-130 ASP

(3) Chalk Talk: N/A

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

(1) Self-Paced Readings:

(a) KC-130 TACMAN VOL 1 Chapter 6

(b) KC-130F/R/T NATOPS Chapter 14

(2) Lectures:

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

1. KC-130 Tactical Aerial Delivery KC-130 ASP
2. KC-130 Combination and Combat Rubber Raiding Craft Aerial Delivery KC-130 ASP
3. KC-130 Container Delivery System Aerial Delivery KC-130 ASP
4. KC-130 General Aircraft Preparation for Aerial Delivery KC-130 ASP
5. KC-130 Heavy Equipment Aerial Delivery KC-130 ASP
6. KC-130 Personnel Static And Military Freefall Aerial Delivery KC-130 ASP

(3) Chalk Talk:

(a) Tactical Checklists

d. In direct support of the Temporary Landing Zone Stage, the following academic syllabus shall be completed:

(1) Self-Paced Readings:

(a) KC-130 TACMAN VOL 1 Chapter 7

(2) Lectures:

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

- | | |
|---|------------|
| 1. KC-130 Expeditionary Airfield Operations | KC-130 ASP |
| 2. KC-130 Landing Zone Operations | KC-130 ASP |

(3) Chalk Talk:

(a) LZ Selection / Classification. (KC-130 TACMAN and Air Force Instruction 13-217)

(b) MMT and MWSS EAF capabilities

e. In direct support of the Rapid Ground Refueling Stage, the following academic syllabus shall be completed:

(1) Self-Paced Readings:

(a) KC-130 TACMAN VOL 1 Chapter 8

(2) Lectures:

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

- | | |
|----------------------------------|------------|
| 1. KC-130 Rapid Ground Refueling | KC-130 ASP |
| 2. KC-130 Rapid Ground Refueling | LOCKHEED |

(3) Chalk Talk: N/A

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

(1) Lectures:

(a) C3 MMT KC-130 Operations C3 ASP

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

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

(1) Self-Paced Readings:

(a) KC-130 TACMAN VOL 1 Chapter 3
(b) Low Altitude Aerial Refueling Syllabus, Lockheed

(2) Lectures:

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

1. KC-130 Tactical Aerial Refueling KC-130 ASP

(3) Chalk Talk: N/A

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

(1) Self-Paced Readings:

(a) KC-130 TACMAN VOL 1 Chapter 4

(2) Lectures:

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

1. KC-130 Tactical Aircrew Coordination KC-130 ASP
2. Low Level Formation Syllabus LOCKHEED

(3) Chalk Talk:

(a) Tactical Formation Planning Considerations.

- c. In direct support of the Aerial Delivery/Battlefield Illumination Stage, the following academic syllabus shall be completed:

(1) Self-Paced Readings:

- (a) KC-130 TACMAN VOL 1 Chapter 9
- (b) KC-130F/R/T NATOPS Chapter 14

(2) Lectures:

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

- 1. KC-130 Battlefield Illumination 1 **KC-130 ASP**
- 2. KC-130 Battlefield Illumination 2 **KC-130 ASP**

(3) Chalk Talk:

- (a) Battlefield illumination in support of NVG operations.

- d. In direct support of the Aircraft Survivability Equipment Stage, the following academic syllabus shall be completed:

(1) Self-Paced Readings:

- (a) KC-130 TACMAN VOL 1 Chapters 21 and 22
- (b) KC-130F/R/T NATOPS Chapter 2

(2) Lectures:

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

- 1. KC-130 ASE **KC-130 ASP**
- 2. KC-130 ASE **LOCKHEED**

(3) Chalk Talk: N/A

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

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

(1) Self-Paced Readings:

- (a) KC-130 TACMAN VOL 1 Chapter 12
- (b) KC-130 TACMAN VOL 1 Vol 2 (S) Chapter 1

(c) Air Force Tactics Techniques and Procedures (AFTTP) 3-1 Volume 2. Ch 1, Ch 3 para 3.1 to 3.5, Ch 4 para 4.1 to 4.9; Ch 5 para 5.1, 5.2.1, 5.5; Ch 6 para 6.1 and 6.2; and Ch 15 para 15.1-15.3.

(2) Lectures:

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

- | | |
|---|------------|
| 1. TACAIR LAT 1 | TACAIR ASP |
| 2. TACAIR LAT 2 | TACAIR ASP |
| 3. KC-130 LAT Maneuvering | KC-130 ASP |
| 4. KC-130 Performance Stresses
and Limitations | KC-130 ASP |

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

1. KC-130 Threat Counter-Tactics

(3) Chalk Talk:

- (a) LAT Maneuvers and common pilot errors.
- (b) Rear Vision Device considerations.

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

(1) Self-Paced Readings:

- (a) KC-130 TACMAN VOL 1 Chapters 21 and 22
- (b) KC-130 TACMAN VOL 1 Vol 2 (S) Chapter 3

(2) Lectures:

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

- | | |
|---------------|------------|
| 1. KC-130 ASE | KC-130 ASP |
|---------------|------------|

(3) Chalk Talk:

- (a) Rear Vision Device considerations.

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

(1) Self-Paced Readings:

- (a) KC-130 TACMAN VOL 1 Vol 1 Chapter 13
- (b) KC-130 TACMAN VOL 1 Vol 2 (S) Chapter 1
- (c) Air Force Tactics Techniques and Procedures (AFTTP) 3-1 Volume 2. Ch 1, Ch 3 para 3.1 to 3.5, Ch 4 para 4.1 to 4.9; Ch 5 para 5.1, 5.2.1, 5.5; Ch 6 para 6.1 and 6.2; and Ch 15 para 15.1-15.3.

(2) Lectures:

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

- 1. KC-130 Threat Countertactics KC-130 ASP
- 2. KC-130 ASE KC-130 ASP
- 3. KC-130 Performance Limitations and Stress KC-130 ASP
- 4. KC-130 Tactical Aircrew Coordination KC-130 ASP

(3) Chalk Talk:

- (a) Tactical Aircrew Coordination.
- (b) Rear Vision Device considerations.

d. In direct support of the Night Systems Stage, the following academic syllabus shall be completed:

(1) Self-Paced Readings:

- (a) KC-130 TACMAN VOL 1 Vol 1 Chapters 15-17
- (b) MAWTS-1 Fixed Wing NVD Manual

(2) Lectures:

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

- 1. KC-130 NVD 1 KC-130 ASP
- 2. KC-130 NVD 2 KC-130 ASP
- 3. NITE Lab NITE LAB ASP

(3) Chalk Talk: N/A

KC-130 LOW ALTITUDE TACTICS INSTRUCTOR (LATI) CERTIFICATION COURSE

Course Objective: To certify the KC-130 pilot as an instructor capable of safely conducting ground and airborne instruction of the KC-130 LAT flight syllabus outlined in MCO P3500.15.

Notes: The KC-130 LATI Course is developed by MAWTS-1. Upon LATI certification by the squadron LATI, WTI or MAWTS-1 IP, the LATI designation may be made at the discretion of the squadron Commanding Officer.

Prerequisites:

1. Designated Section Leader.
2. LAT qualified and current in accordance with MCO P3500.14 and MCO P3500.15.
3. Selected by squadron Commanding Officer.

IUT Stage

IUT Academic Syllabus:

1. Length: 4 hours
2. The prospective LATI will demonstrate thorough knowledge of directives governing the conduct of LAT training. The following self-paced reading shall be completed prior to certification:
 - a. KC-130 Tactical Manual Vol I, Ch 5 & 12.
 - b. KC-130 Tactical Manual Vol II (S), Ch 1.
 - c. MCO P3500.14 T & R Manual Vol 1.Ch 5 para 5002. Ch 6 para 6003
 - d. OPNAV 3710.7R Ch 5.
 - e. AFTTP 3-1 Vol 2: Ch 1, Ch 3 para 3.1 to 3.5, Ch 4 para 4.1 to 4.9; Ch 5 para 5.1, 5.2.1, 5.5; Ch 6 para 6.1 & 6.2; and Ch 15 para 15.1-15.3.
3. The PLATI will review and be capable of presenting all lectures listed in the KC-130 LAT Course.
2. The following lectures shall be presented to the PLATI prior to beginning the flight stage:
 - a. TACAIR LAT Part V
 - b. KC-130 Student/Instructor Roles
 - c. KC-130 Student Briefing/Critique
 - d. KC-130 Aircrew Training Management

TACAIR ASP
KC-130 ASP
KC-130 ASP
KC-130 ASP

- a. Meet all prerequisites.
- b. Complete the academic syllabus previously outlined.
- c. Complete the LAT 534 sortie.
- d. Complete the LAT 591 sortie, evaluated by a LATI.

Transition / Conversion: Aircrew transitioning or converting to the KC-130, as defined in MCO P3500.14 must meet all prerequisites and successfully complete the entire KC-130 LATI Certification Course.

KC-130 DEFENSIVE TACTICS INSTRUCTOR (DEFTACI) CERTIFICATION COURSE

Course Objective: To certify the KC-130 pilot as an instructor capable of safely conducting ground and airborne instruction of the KC-130 Defensive Tactics flight syllabus outlined in MCO P3500.15.

Notes: The KC-130 DEFTACI syllabus is developed by MAWTS-1. Upon DEFTACI certification by MAWTS-1, the DEFTACI designation can be made at the discretion of the squadron Commanding Officer. The DEFTACI build-up stage is designed to be conducted by the squadron DEFTACI or MAWTS-1 Instructor.

Prerequisites:

1. DEFTAC qualified in accordance with MCO P3500.14 and MCO P3500.15.
2. Designated LATI and current in accordance with MCO P3500.14 T & R Vol 1 and MCO P3500.15 T & R Vol II.
3. Selected by the squadron Commanding Officer.

IUT STAGE

IUT Academic Syllabus:

1. Length: 7 hours
2. The prospective DEFTACI will review and be capable of presenting the following classes prior to beginning the build-up flight stage to a MAWTS Instructor:
 - a. KC-130 Threat Countertactics KC-130 ASP
 - b. KC-130 ASE KC-130 ASP
 - c. KC-130 Performance Limitations and Stress KC-130 ASP
 - d. KC-130 Tactical Aircrew Coordination KC-130 ASP
2. The prospective DEFTACI shall demonstrate thorough understanding of applicable directives/rules of conduct governing DEFTAC training
3. Additionally the following self-paced reading shall be reviewed prior to the flight phase:
 - a. KC-130 Tactical Manual Vol I, Ch 13.
 - b. KC-130 Tactical Manual Vol II (S), Ch 1.
 - c. MCO P3500.14 T & R Manual Vol 1.Ch 5 para 5002., Ch 6 para 6003
 - d. OPNAV 3710.7R Ch 5.

Goal: To demonstrate proficiency of the instructional skills required for the conduct of DEFTAC 464.

Requirement: The IUT shall brief, lead and debrief a 1 vs 2 defensive tactics sortie. Emphasis will be on in-flight instructional technique, management of bogeys for maximum training benefit, lookout doctrine, crew coordination and defensive maneuvering. The IUT shall conduct the Bogey brief under the supervision of the DEFTACI. RVD required. The use of ASE gear is highly recommended but not required.

Certification Stage:

Certification Academic Syllabus:

1. The IUT shall present one of the four classes in the academic syllabus that will be monitored by the squadron WTI DEFTACI or MAWTS-1 IP.

Certification Flight Syllabus:

1. The IUT shall brief, lead, debrief, and demonstrate to the MAWTS-1 instructor the ability to conduct DEFTAC training. Emphasis will be placed on:
 - a. Briefing all defensive maneuvers and set-ups.
 - b. Conducting airborne instruction of the defensive maneuvers.
 - c. Tactical aircrew coordination.
 - d. Adherence to training rules.
 - e. Debriefing the flight evolution, to include reconstruction of engagements and emphasizing lessons learned.
 - f. Utilization of ASE gear
2. The following sorties shall be flown during the certification stage:

Goal: To certify the IUT as DEFTACI. To demonstrate proficiency of the instructional skills required for the conduct of DEFTAC training.

Requirement: The IUT shall brief, lead and debrief a 1 v 1 or 1 v 2 defensive tactics sortie. Emphasis will be on in-flight instructional technique, management of bogeys for maximum training benefit, lookout doctrine, tactical aircrew coordination and defensive maneuvering. Additionally, the IUT will be evaluated on the ability to detect and correct common errors in maneuvering and to maintain high situational awareness throughout the sortie. RVD required. The use of ASE gear is highly recommended but not required.

RECERTIFICATION REQUIREMENTS

Refresher:

1. Previously certified KC-130 DEFTAC returning to the KC-130 after more than 540 days out of model must be recertified by MAWTS-1 in order to regain DEFTACI certification. The following comprises the recertification syllabus:
 - a. Meet all prerequisites.
 - b. Complete the academic syllabus previously outlined.
 - c. Complete the IUT flight stage, tailored to his capabilities.
 - d. Complete the DEFTAC 592 sortie, evaluated by the MAWTS-1 instructor.

Transition / Conversion: Aircrew transitioning or converting to the KC-130, as defined in MCO P3500.14, must meet all prerequisites and successfully complete the entire KC-130 DEFTACI certification syllabus.

KC-130 PILOT NIGHT SYSTEMS QUALIFICATION (NSQ) COURSE

Course Objective: Qualification of the KC-130 Pilot in night systems operations.

Notes:

1. The KC-130 Pilot Night Systems Qualification Course is developed by MAWTS-1 and is designed to be taught by a Night Systems Instructor Pilot. Upon certification by the NSI, the NSQ designation may be made at the discretion of the squadron Commanding Officer.
2. Simulator sorties shall be completed if a night vision compatible OFT/WST is available.

Prerequisites:

1. Designated KC-130 transport second pilot (T2P).
2. 15 hours total NVG time. (5 hours should be under LLL conditions.)
3. Pilots shall be current and qualified in the respective 300/400 series equivalent unaided sortie codes/missions.
4. Selected by the squadron Commanding Officer.

Academic Syllabus

1. Length: 12 hours.
2. Complete the NITE Lab.
3. Receive MAWTS-1 KC-130 NVD 1 & 2 lectures.
4. The following self-paced reading shall be completed prior to the flight phase:
 - a. KC-130 Tactical Manual, Part IV.
 - b. MCO P3500.14 T & R Manual Vol 1.Ch 5 para 5001 Ch 6 para 6002
 - c. OPNAV 3710.7R Ch 5.
 - d. USN/USMC Fixed Wing NVD Manual 2nd Edition. Exclude Ch 3.

Flight Syllabus:

1. The basic Night Systems Qualification sorties for pilots are as follows:

Pilots

SNVG 601	-	Simulator Introduction
SNVG 602	-	Simulator Review/Practice
NVG 601	-	FAM
NVG 611	-	Rotary Wing Aerial Refueling
NVG 620	-	Low Level Navigation (HLL)
NVG 621	-	Low Level Navigation (LLL)
NVG 670	-	Temporary Landing Zone Operations (Improved/HLL)
NVG 602	-	Qualification Flight

2. The goals, requirements, and standards for these sorties are contained in MCO P3500.15, Chapter 6.

KC-130 TACTICAL SYSTEMS OPERATOR (TSO)/MISSION SPECIALIST NIGHT SYSTEMS QUALIFICATION COURSE

Course Objective: Qualification of the KC-130 Tactical Systems Operator in night systems operations.

Notes:

1. The KC-130 Tactical Systems Operator Night Systems Qualification Course is developed by MAWTS-1 and is designed to be taught by a Tactical Systems Operator Night Systems Instructor. Upon certification by the NSI, the NSQ designation may be made at the discretion of the squadron Commanding Officer.

Prerequisites:

1. 15 hours total NVG time. (5 hours should be under LLL conditions.)
2. Tactical Systems Operators should be current and qualified in the respective 300/400 series equivalent unaided sortie codes/missions.
3. Selected by the squadron Commanding Officer.

Academic Syllabus

1. Length: 12 hours.
2. Complete the NITE Lab.
3. Receive MAWTS-1 KC-130 NVD 1 & 2 lectures.
4. The following self-paced reading shall be completed prior to the flight phase:
 - a. KC-130 Tactical Manual, Part IV.
 - b. MCO P3500.14 T & R Manual Vol 1.Ch 5 para 5001., Ch 6 para 6002
 - c. OPNAV 3710.7S Ch 5.
 - d. USN/USMC Fixed Wing NVD Manual 2nd Edition. Exclude Ch 3.

Flight Syllabus:

1. The basic Night Systems Qualification sorties for Tactical Systems Operators are as follows:

<u>Tactical Systems Operators</u>		
NVG 601	-	FAM (HLL)
NVG 602	-	Aerial Refueling

- NVG 603 - Low Level Navigation (HLL)
- NVG 604 - Temporary Landing Zone Operations (HLL)
- NVG 605 - NSQ Certification

2. The goals, requirements, and standards for these sorties are contained in MCO P3500.15, Chapters 6 and 7.

KC-130 LOADMASTER NIGHT SYSTEMS QUALIFICATION COURSE

Course Objective: Qualification of the KC-130 Loadmaster in night systems operations.

Notes:

1. The KC-130 Loadmaster Night Systems Qualification Course is developed by MAWTS-1 and designed to be taught by a Loadmaster Night Systems Instructor. Upon certification by the NSI, the NSQ designation may be made at the discretion of the squadron Commanding Officer.

Prerequisites:

1. Loadmasters shall be current and qualified in the respective 200/300 series equivalent unaided sortie codes/missions.
2. 15 hours total NVG time. (5 hours should be under LLL conditions.)
3. Selected by the squadron Commanding Officer.

Academic Syllabus

1. Length: 13 hours.
2. Complete the NITE Lab.
3. Receive MAWTS-1 KC-130 NVD 1 & 2 lectures.
4. The following self-paced reading shall be completed prior to the flight phase:
 - a. KC-130 Tactical Manual, Part IV.
 - b. MCO P3500.14 T & R Manual Vol 1.Ch 5 para 5001, Ch 6 para 6002
 - c. OPNAV 3710.7R Ch 5.
 - d. USN/USMC Fixed Wing NVD Manual 2nd Edition. Exclude Ch 3.

Flight Syllabus:

1. The basic Night Systems Qualification sorties for loadmasters are as follows:
NSQ 383 NVG A/R, This flight shall be conducted with the intent to familiarize the loadmaster with NVG flight operation, i.e. familiarization flight.
NSQ 384 NVG RGR
NSQ 385 NVG TLZ
NSQ 480 LLNAV
NSQ 390 NSQ Certification Flight
2. The goals, requirements, and standards for these sorties are contained in MCO P3500.15, Chapter 9.

KC-130 FLIGHT ENGINEER AND FLIGHT MECHANIC NIGHT SYSTEMS QUALIFICATION COURSE

Course Objective: Qualification of the KC-130 Flight Engineer and Flight Mechanic in night systems operations.

Notes:

1. The KC-130 Flight Engineer and Flight Mechanic Night Systems Qualification Course are developed by MAWTS-1 and is designed to be taught by a Flight Engineer Night Systems Instructor. Upon certification by the NSI, the NSQ designation may be made at the discretion of the squadron Commanding Officer.

Prerequisites:

1. Flight Engineer and Flight Mechanics shall be current and qualified in the respective 300/400 series equivalent unaided sortie codes/missions.
2. 15 hours total NVG time. (5 hours should be under LLL conditions.)
3. Selected by the squadron Commanding Officer.

Academic Syllabus

1. Length: 13 hours.
2. Complete the NITE Lab.
3. Receive MAWTS-1 KC-130 NVD 1 & 2 lectures.
4. The following self-paced reading shall be completed prior to the flight phase:
 - a. KC-130 Tactical Manual, Part IV.
 - b. MCO P3500.14 T & R Manual Vol 1.Ch 5 para 5001, Ch 6 para 6002
 - c. OPNAV 3710.7R Ch 5.
 - d. USN/USMC Fixed Wing NVD Manual 2nd Edition. Exclude Ch 3.

Flight Syllabus:

1. The basic Night Systems Qualification sorties for Flight Engineer and Flight Mechanics are as follows:

Flight Engineer and Flight Mechanics

NVG 601	-	FAM (HLL)
NVG 610	-	Aerial Refueling
NVG 620	-	Low Level Navigation (HLL)

- NVG 621 - Low Level Navigation (LLL)
- NVG 640 - Aerial delivery
- NVG 670 - Tactical landing zone (HLL)
- NVG 690 - NSQ Certification

2. The goals, requirements, and standards for these sorties are contained in MCO P3500.15, Chapters 6 and 7.

KC-130 NIGHT SYSTEMS INSTRUCTOR PILOT CERTIFICATION COURSE

Course Objective: To certify the KC-130 Pilot as a Night Systems Instructor (NSI) capable of safely conducting ground and airborne instruction of the KC-130 pilot night vision systems training as outlined in MCO P3500.15 chapter 6.

Notes:

1. The KC-130 Pilot NSI Certification Course is developed and maintained by MAWTS-1. The squadron Pilot NSI may administer the academic syllabus and build-up flight stages. The MAWTS-1 Pilot Instructor will administer the written and oral NSI exam and certification flight. Upon NSI certification by MAWTS-1, the NSI designation may be made at the discretion of the squadron Commanding Officer.
2. The academic syllabus shall be completed prior to beginning the flight buildup stage.

Prerequisites:

1. Night Systems qualified and current IAW MCO P3500.15.
2. Low Altitude Tactics Qualified
3. Designated Section Lead
4. Nominated by the Commanding Officer
5. Minimum 30 hours total NVG time. (10 hours minimum low light)

IUT Stage

IUT Academic Syllabus:

1. Length: 4 hours.
2. The following class shall be presented to the PNSI prior to beginning the flight stage by an NSI:
 - a. KC-130 Instructor Training: Student/Instructor Roles
 - b. KC-130 Instructor Training: Student Briefing/Critique
 - c. KC-130 Instructor Training: Aircrew Training Management

Requirement: The PNSI shall have successfully completed the NSI Pilot Academic Syllabus in accordance with the MAWTS-1 Course Catalog. The PNSI will also have completed all four build-up flights from the NSI Pilot flight syllabus. The prospective NSI pilot will plan, brief, instruct, and debrief one of the following T&R events (i.e. 601, 611, 620/621, and 671).

The certification sortie shall include the demonstration of touch-and-go's from the right seat. An unimproved landing zone should be utilized with expeditious lighting.

RECERTIFICATION REQUIREMENTS

Refresher:

1. Certified KC-130 NSI aircrew returning to the KC-130 after more than 540 days out of model must complete a KC-130 NSI recertification syllabus. Upon recertification by MAWTS-1, the NSI designation can be made at the discretion of the Commanding Officer. The following comprises the recertification syllabus:
 - a. The IUT must meet all prerequisites required for initial certification.
 - b. The IUT must complete the formal academic syllabus including the NSI exam.
 - c. The IUT must complete an NSI flight syllabus.
 - d. The IUT must complete the certification sortie (NSI 593), evaluated by a MAWTS-1 instructor.

Transition / Conversion: Aircrew designated as an NSI in an aircraft other than the KC-130, that transition or convert to the KC-130, must complete the entire KC-130 NSI Certification Course as outlined.

KC-130 NIGHT SYSTEMS INSTRUCTOR TACTICAL SYSTEMS OPERATOR (TSO)/MISSION SPECIALIST CERTIFICATION COURSE

Course Objective: To certify the KC-130 Tactical Systems Operator as a Night Systems Instructor (NSI) capable of safely conducting ground and airborne instruction of the KC-130 Tactical Systems Operator night vision systems training as outlined in MCO P3500.15 chapter 7.

Notes:

1. The KC-130 Tactical Systems Operator NSI Certification Course is developed and maintained by MAWTS-1. The squadron Tactical Systems Operator NSI can administer the academic syllabus and build-up flight stages. The MAWTS-1 Tactical Systems Operator Instructor will administer the written and oral NSI exam and certification flight. Upon NSI certification by MAWTS-1, the NSI designation may be made at the discretion of the squadron Commanding Officer.
2. A MAWTS-1 Instructor shall conduct the certification flight.
3. The following self-paced reading should be reviewed prior to the flight phase:
 - a. KC-130 Tactical Manual, Part IV.
 - b. MCO P3500.14 T & R Manual Vol 1.Ch 5 para 5001., Ch 6 para 6002
 - c. OPNAV 3710.7S Ch 5.
 - d. USN/USMC Fixed Wing NVD Manual 2nd Edition. Exclude Ch 3.

Prerequisites:

1. Designated KC-130 Tactical Systems Operator Instructor.
2. Low Altitude Tactics Qualified.
3. Night Systems qualified and current IAW MCO P3500.15.
4. Selected by the Squadron Commanding Officer.
5. Minimum 30 hours total NVG time. (10 hours minimum low light)

IUT STAGE

IUT Academic Syllabus:

1. Length: 4 hours.
2. The following class shall be presented to the PNSI prior to beginning the flight stage by an NSI:

- a. KC-130 Instructor Training: Student/Instructor Roles
 - b. KC-130 Instructor Training: Student Briefing/Critique
 - c. KC-130 Instructor Training: Aircrew Training Management
3. The following references shall be reviewed prior to the flight phase:
- a. KC-130 Tactical Manual, Part IV.
 - b. MCO P3500.14 T & R Manual Vol 1.Ch 5 para 5001., Ch 6 para 6002
 - c. OPNAV 3710.7S Ch 5.
 - d. USN/USMC Fixed Wing NVD Manual 2nd Edition. Exclude Ch 3.

IUT Flight Syllabus:

1. PNSI flight stage sorties are conducted as Instructor Under Training (IUT) events.
2. During the build-up sorties, the PNSI will demonstrate the ability to brief, instruct, and debrief the following sorties from the Tactical Systems Operator NSQ T&R events as build-ups to NSI certification:

NVG 610 LLAR
NVG 630 LAT
NVG 640 TACTICAL AD
NVG 670 LLNAV TO TLZ

Certification Stage

Academic Syllabus:

1. The PNSI shall present one of the two KC-130 NVD classes that will be monitored by an NSI.
2. The PNSI shall successfully complete the NSI exam, administered by a MAWTS-1 instructor prior to flying the certification sortie. The minimum-passing grade for the exam is 80%.

Flight Syllabus:

1. The PNSI shall brief, instruct, and debrief a Tactical Systems Operator NVG T&R event.
2. The following sortie shall be flown during the certification stage:

Goal: To demonstrate proficiency of the instructional skills required to conduct Tactical Systems Operator Night Systems Qualification Training.

Requirement: The PNSI shall have successfully completed the NSI Pilot/Tactical Systems Operator Academic Syllabus in accordance with the MAWTS-1 Course Catalog. The PNSI will also have completed all four workup flights from the NSI Tactical Systems Operator flight syllabus.

RECERTIFICATION REQUIREMENTS

Refresher:

1. Certified KC-130 NSI aircrew returning to the KC-130 after more than 540 days out of model must complete a KC-130 NSI recertification syllabus. Upon recertification by MAWTS-1, the NSI designation can be made at the discretion of the Commanding Officer. The following comprises the recertification syllabus:
 - a. The IUT must meet all prerequisites required for initial certification.
 - b. The IUT must complete the formal academic syllabus including the NSI exam.
 - c. The IUT must complete an NSI flight syllabus.
 - d. The IUT must complete the certification sortie (NSI 591), evaluated by a MAWTS-1 instructor.

Transition / Conversion: Aircrew designated as an NSI in an aircraft other than the KC-130, that transition or convert to the KC-130, must complete the entire KC-130 NSI Certification Course as outlined.

KC-130 NIGHT SYSTEMS INSTRUCTOR LOADMASTER CERTIFICATION COURSE

Course Objective: To certify the KC-130 Loadmaster as a Night Systems Instructor (NSI) capable of safely conducting ground and airborne instruction of the KC-130 Loadmaster and Flight Mechanic night vision systems training as outlined in MCO P3500.15 chapter 9 and 10.

Notes:

1. The KC-130 Loadmaster NSI Certification Course is developed and maintained by MAWTS-1. The squadron Flight Engineer NSI can administer the academic syllabus and build-up flight stages. The MAWTS-1 Loadmaster Instructor will administer the written and oral NSI exam and certification flight. Upon NSI certification by MAWTS-1, the NSI designation may be made at the discretion of the squadron Commanding Officer.
2. The academic flight syllabus shall be completed prior to beginning the flight stage.

Prerequisites:

1. Designated KC-130 Loadmaster Instructor.
2. Night Systems qualified and current IAW MCO P3500.15.
3. Minimum 30 hours total NVG time. (10 hours minimum low light)

IUT STAGE

IUT Academic Syllabus:

1. Length: 4 hours.
2. The following classes shall be presented to the PLATI prior to beginning the flight stage by an NSI:
 - a. KC-130 Instructor Training: Student/Instructor Roles
 - b. KC-130 Instructor Training: Student Briefing/Critique
 - c. KC-130 Instructor Training: Aircrew Training Management
3. The following references shall be reviewed prior to the flight phase:
 - a. KC-130 Tactical Manual, Part IV.
 - b. MCO P3500.14 T & R Manual Vol 1.Ch 5 para 5001., Ch 6 para 6002
 - c. OPNAV 3710.7R Ch 5.
 - d. USN/USMC Fixed Wing NVD Manual 2nd Edition. Exclude Ch 3.

IUT Flight Syllabus:

1. The PNSI flight stage sorties are conducted as Instructor Under Training (IUT) events. The PNSI sorties will be instructed by a squadron Loadmaster NSI or WTI.
2. During the IUT events, the PNSI will demonstrate the ability to brief, instruct, and critique a minimum of one sortie each from the Loadmaster NVG combat qualification syllabus and full combat qualification syllabus as build-ups to NSI certification:

- | | |
|---------------------------------|--------------|
| 1. In-flight Refueling Observer | T&R Code 383 |
| 2. RGR Procedures | T&R Code 384 |
| 3. Temporary Landing Zone Ops | T&R Code 385 |
| 2. Aerial Delivery | T&R Code 481 |
| 4. Low Level Navigation | T&R Code 480 |
| 5. NSQ Check Flight | T&R Code 390 |

Certification Stage

Academic:

1. The PNSI will present one of the two KC-130 NVD classes that will be monitored by an NSI.
2. The PNSI will also be capable of the following:
 - a. Demonstrate the ability to teach the proper use of the SLAP program.
 - b. Demonstrate understanding of orders/directives governing night systems training.
3. The PNSI shall successfully complete the NSI Exam, administered by the MAWTS-1 instructor prior to flying the certification sortie. The minimum-passing grade for the exam is 80%.

Flight Syllabus:

1. The PNSI will plan, brief, instruct, and critique one of the following Loadmaster T&R events: NSQ, 384, or NSQ, 385.
2. The following sortie will be flown during the certification stage:

Goal: To demonstrate proficiency of the instructional skills required to conduct Loadmaster Night Systems Qualification Training. They will also demonstrate the ability to conduct tactical training in the NVG environment.

Requirement:

The PNSI will have successfully completed the NSI Loadmaster Academic Syllabus in accordance with the MAWTS-1 Course Catalog. The PNSI will also have completed a minimum of two IUT build- up flights from the LM NSQ syllabus as listed in the MAWTS-1 Course Catalog prior to certification flight.

RECERTIFICATION REQUIREMENTS

Refresher:

1. Certified KC-130 NSI aircrew returning to the KC-130 after more than 540 days out of model must complete a KC-130 NSI recertification course. Upon recertification by MAWTS-1, the NSI designation can be made at the discretion of the commanding officer. The following comprises the recertification course:
 - a. The IUT must meet all prerequisites required for initial certification.
 - b. The IUT must complete the formal academic syllabus including the NSI exam.
 - c. The IUT must complete an NSI flight syllabus.
 - d. The IUT must complete the certification sortie (NSI 593), evaluated by a MAWTS-1 instructor.

Transition / Conversion: Aircrew designated as an NSI in an aircraft other than the KC-130, that transition or convert to the KC-130, must complete the entire KC-130 NSI Certification Course as outlined.

KC-130 NIGHT SYSTEMS INSTRUCTOR FLIGHT ENGINEER CERTIFICATION COURSE

Course Objective: To certify the KC-130 Flight Engineer as a Night Systems Instructor (NSI) capable of safely conducting ground and airborne instruction of the KC-130 Flight Engineer and Flight Mechanic night vision systems training as outlined in MCO P3500.15C chapters 8 and 10.

Notes:

1. The KC-130 Flight Engineer NSI Certification Course is developed and maintained by MAWTS-1. The squadron Flight Engineer NSI may administer the academic syllabus and build-up flight stages. A MAWTS-1 Flight Engineer Instructor will administer the written and oral NSI exam and certification flight. Upon NSI certification by MAWTS-1, the NSI designation may be made at the discretion of the squadron Commanding Officer.
2. The academic syllabus shall be completed prior to beginning the flight syllabus.

Prerequisites:

1. Designated a KC-130 Flight Engineer Instructor.
2. Night Systems Qualified and current IAW MCO P3500.15C.
3. Nominated by the squadron Commanding Officer.
4. Low Altitude Tactics qualified.
4. Minimum of 30 hours total NVG time (10 hours minimum low light level).

IUT Stage:

IUT Academic Syllabus:

1. Length: 4 hours.
2. The following class shall be presented to the PNSI prior to beginning the flight stage by an NSI:
 - a. KC-130 Instructor Training: Student/Instructor Roles
 - b. KC-130 Instructor Training: Student Briefing/Critique
 - c. KC-130 Instructor Training: Aircrew Training Management
3. The following references shall be reviewed prior to the flight phase:

- a. KC-130 Tactical Manual, Part IV.
- b. MCO P3500.14 T & R Manual Vol 1.Ch 5 para 5001., Ch 6 para 6002
- c. OPNAV 3710.7R Ch 5.
- d. USN/USMC Fixed Wing NVD Manual 2nd Edition. Exclude Ch 3.

IUT Flight Syllabus:

1. The PNSI will demonstrate the ability to brief, instruct, and critique/debrief the following sorties from the Flight Engineer NSQ T&R events as build-ups to NSI certification.

NVG 610	AR
NVG 620	LL (HLL)
NVG 621	LL (LLL)
NVG 640	AD
NVG 670	TLZ

Certification Stage

Academic:

1. The PNSI shall present one of the two KC-130 NVD classes that will be monitored by an NSI.
2. The PNSI will also be capable of the following:
 - a. Demonstrate the ability to teach the proper use of the SLAP program.
 - b. Demonstrate understanding of orders/directives governing night systems training.
3. The PNSI shall successfully complete the NSI Exam, administered by the MAWTS-1 instructor prior to flying the certification sortie. The minimum-passing grade for the exam is 80%.

Flight Syllabus

1. The PNSI shall plan, brief, instruct, and debrief a Flight Engineer NVG T&R event. The PNSI shall also demonstrate the ability to conduct tactical training in the NVG environment.
2. The following sortie will be flown during the certification stage:

Goal: To demonstrate proficiency of the instructional skills required to conduct Flight Engineer/Flight Mechanic Night Systems Qualification Training.

Requirement: The PNSI shall have successfully completed the NSI Flight Engineer Academic Syllabus in accordance with the MAWTS-1 Course Catalog. The PNSI will also have completed a minimum of two build-up flights from the Flight Engineer NSQ Course, prior to the certification flight.

RECERTIFICATION REQUIREMENTS

Refresher:

1. Certified KC-130 NSI aircrew returning to the KC-130 after more than 540 days out of model must complete a KC-130 NSI recertification syllabus. Upon recertification by MAWTS-1, the NSI designation can be made at the discretion of the Commanding Officer. The following comprises the recertification syllabus:
 - a. The IUT must meet all prerequisites listed previously.
 - b. The IUT must complete the NSI exam, administered by the MAWTS-1 instructor.
 - c. The IUT must complete an NSI flight syllabus, outlined by the squadron NSI, that prepares him for certification.
 - d. The IUT must complete the NSI 591 sortie, evaluated by the MAWTS-1 instructor.

Transition / Conversion: Aircrew designated as an NSI in an aircraft other than the KC-130, that transition or convert to the KC-130, must complete the entire KC-130 NSI Certification Course as outlined.

KC-130 PILOT TRAINING SYLLABUS

EVENT	DATE	INSTRUCTOR
COMBAT READY		
FAMILIARIZATION		
FAM 200		
FAM 201		
AIR REFUELING		
TACTICAL AR		
AR 210		
AR 211		
AR 212		
AR 213		
LOW LEVEL NAVIGATION		
TAC EMPL CONCEPTS		
TAC MSN PLAN & LLNAV		
LLNAV 220		
LLNAV 221		
PERFORM STRESSES & LIM		
FORMATION		
FORM 230		
FORM 231		
FORM 232		
FORM 233		
FORM 234		
AIR DELIVERY		
TACTICAL AD		
COMBO & CRRC AD		
CDS AD		
GENL ACFT PREP FOR AD		
HEAVY EQUIPMENT AD		
PERS STATIC & MIL FF AD		
AD 240		
AD 241		
LONG RANGE NAV		
LRNAV 250		
LRNAV 251		
TEMPORARY LANDING ZONE		
EXPEDIT AFLD OPS		
LZ OPERATIONS		
TLZ 270		
TLZ 271		
TLZ 272		
RAPID GROUND REFUELING		
RGR		
RGR (LOCKHEED)		
RGR 273		
RGR 274		
GENERAL SUPPORT ACADEMICS		
C3 MMT OPERATIONS		
COMBAT QUALIFIED		
LOW ALTITUDE AIR REFUELING		
TACTICAL AR		
AR 310		
AR 311		
MULTI-PLANE AIR REFUELING		
AR 312		
AR 333		
LOW LEVEL FORMATION		
TACTICAL AIRCREW COORD		
LL FORM (LOCKHEED)		
LLFORM 330		
LLFORM 331		
NIGHT DIVISION FORMATION		
EVENT	DATE	INSTRUCTOR

FORM 332		
AIR DELIVERY/ AREA ILLUMINATION		
BATTLEFIELD ILLUM 1		
BATTLEFIELD ILLUM 2		
AD 340		
AD 341		
AD 342		
AD 343		
AD 344		
AIRCRAFT SURVIVABILITY EQUIPMENT		
KC-130 ASE		
KC-130 ASE (LOCKHEED)		
ASE 360		
TEMPORARY LANDING ZONE		
TLZ 370		
TLZ 371		
FULL COMBAT QUALIFIED		
LOW ALTITUDE TACTICS		
TACAIR LAT 1		
TACAIR LAT 2		
KC-130 LAT MANEUVERS		
PERFORM STRESSES & LIM		
LAT 420		
LAT 421		
LAT 422		
THREAT COUNTERTACTICS		
AIRCRAFT SURVIABILITY EQUIPMENT		
KC-130 ASE		
ASE 460		
ASE 461		
DEFENSIVE TACTICS		
THREAT COUNTERTACTICS		
KC-130 ASE		
PERFORM STRESSES & LIM		
TACTICAL AIRCREW COORD		
DEFTAC 462		
DEFTAC 463		
DEFTAC 464		
NIGHT SYSTEMS QUALIFICATION		
NVD 1		
NVD 2		
N.I.T.E. LAB		
SNVG 601		
SNVG 602		
NVG 601		
NVG 611		
NVG 620		
NVG 621		
NVG 670		
NVG 602		
NIGHT SYSTEMS		
NVG 610		
NVG 622		
NVG 630		
NVG 640		
NVG 660		
NVG 671		
NVG 672		

NAME: _____

SSN: _____

KC-130 PILOT TRAINING SYLLABUS

EVENT	DATE	INSTRUCTOR
<u>INSTRUCTOR TRAINING</u>		
LOW ALTITUDE TACTICS INSTRUCTOR		
KC-130 STUD BRIEF/CRITIQU		
KC-130 STUD & INST ROLES		
LAT V: INST TECHNIQUES		
LAT 532		
LAT 533		
LAT 534		
LATI 591		
WEAPONS AND TACTICS INSTRUCTOR		
WTI 594		
NATOPS INSTRUCTOR		
NATOPS 590		
NIGHT SYSTEMS INSTRUCTOR		
NVG 601 IUT		
NVG 611 IUT		
NVG 620 IUT		
NVG 622 IUT		
NVG 671 IUT		
NVGI 593		
DEFTAC INSTRUCTOR		
DEFTAC 462 IUT		
DEFTAC 463 IUT		
DEFTAC 464 IUT		
DEFTACI 592		
<u>REQUIREMENTS, QUALIFICATIONS & DESIGNATIONS</u>		
TRANSPORT SECOND PILOT		
CK 290		
TRANSPORT AIRCRAFT COMMANDER		
TPC 390		
TPC 391		
TPC 392		
TPC 393		
TPC 394		
SECTION LEADER		
FORM 395		
DIVISION LEADER		
FORM 396		
REFUELING AREA COMMANDER		
RAC 493		
OTHER DESIGNATIONS		
FCF 600		

NAME: _____

SSN: _____

KC-130 TACTICAL SYSTEMS OPERATOR TRAINING SYLLABUS

EVENT	DATE	INSTRUCTOR
COMBAT READY		
COURSE RULES FAMILIARIZATION		
CR 200		
AERIAL REFUELING		
TACTICAL AR		
SAR 210		
AR 210		
AR 211		
AR 212		
LOW LEVEL NAVIGATION		
TAC EMPL CONCEPTS		
TAC MSN PLAN & LLNAV		
SLL 220		
SLL 221		
LL 220		
LL 221		
PERFORM STRESSES & LIM		
AERIAL DELIVERY		
TACTICAL AD		
COMBO AND CRRC AD		
CDS AD		
GENL ACFT PREP FOR AD		
HEAVY EQUIPMENT AD		
PERS STATIC & MIL FF AD		
SAD 240		
SAD 241		
SAD 242		
AD 240		
AD 241		
AD 242		
EXPEDITIONARY AIRFIELD/TEMPORARY LANDING ZONE		
EXPEDIT AIRFIELD OPS		
LANDING ZONE OPS		
TLZ 270		
RGR 271		
GENERAL SUPPORT ACADEMICS		
C3 MMT KC-130 OPS		
COMBAT QUALIFIED		
AIR REFUELING		
TACTICAL AR		
SAR 310		
AR 310		
AR 311		
AR 312		
AERIAL DELIVERY		
BATTLEFIELD ILLUM 1		
BATTLEFIELD ILLUM 2		
SAD 340		
AD 340		
AD 341		
AD 342		
AD 343		

EVENT	DATE	INSTRUCTOR
AIRCRAFT SURVIVABILITY EQUIPMENT		
KC-130 ASE		
SASE 360		
ASE 360		
EXPEDITIONARY AIRFIELD/TEMPORARY LANDING ZONE		
STLZ 370		
TLZ 371		
FULL COMBAT QUALIFIED		
AERIAL REFUELING		
AR 410		
LOW ALTITUDE TACTICS		
LAT 1		
LAT 2		
LAT MANEUVERS		
PERFORM STRESSES & LIM		
SLAT 430		
SLAT 431		
LAT 430		
LAT 431		
THREAT COUNTERTACTICS		
DEFENSIVE TACTICS		
THREAT COUNTERTACTICS		
KC-130 ASE		
PERFORM STRESSES & LIM		
TACTICAL AIRCREW COORD		
DEFTAC 432		
AIRCRAFT SURVIVABILITY EQUIPMENT		
KC-130 ASE		
SASE 460		
ASE 460		
ASE 461		
INSTRUCTOR TRAINING		
TACTICAL SYSTEMS OPERATOR INSTRUCTOR CHECK		
TSOI 590		
NIGHT SYSTEMS INSTRUCTOR		
NSI 591		
WEAPONS AND TACTICS INSTRUCTOR		
WTI 592		
NATOPS INSTRUCTOR CHECK		
NTPSI 593		

NAME: _____

SSN: _____

KC-130 TACTICAL SYSTEMS OPERATOR TRAINING SYLLABUS

EVENT	DATE	INSTRUCTOR
<u>SPECIAL TRAINING</u>		
NIGHT SYSTEMS QUALIFICATION		
NVD 1		
NVD 2		
N.I.T.E. LAB		
SNVD 601		
SNVD 602		
NVG 601		
NVG 602		
NVG 603		
NVG 604		
NVG 605		
NVG 610		
NVG 630		
NVG 640		
NVG 670		
SEARCH AND RESCUE		
SSAR 680		
SAR 680		
TACTICAL SYSTEMS OPERATOR NATOPS CHECK		
TSOCK 690		

NAME: _____

SSN: _____

KC-130 LOADMASTER TRAINING SYLLABUS

EVENT	DATE	INSTRUCTOR
COMBAT READY		
CARGO AND PASSENGER LOADING		
LOCKHEED PHASE LECTURES		
CPL 200		
CPL 201		
CPL 202		
CPL 203		
AIR REFUELING		
TACTICAL AR		
AR 210		
AR 211		
AR 212		
LOW LEVEL NAVIGATION		
TACTICAL EMPL CONCEPTS		
TACTICAL MSN PLAN AND LL NAV		
PERFORM LIMITS AND STRESS		
LLNAV 220		
AIR DELIVERY		
TACTICAL AD		
COMBO AND CRRC AD		
CDS AD		
GENL ACFT PREP FOR AD		
HEAVY EQUIPMENT AD		
PERS STATIC & MIL FF AD		
TACTICAL AERIAL DELIVERY		
COMBINATION AND CRRC AD		
PERS STATIC LINE AND MIL FF AD		
AD 240		
OVERWATER HF COMMUNICATION		
OW 250		
TEMPORARY LANDING ZONE		
EXPEDITIONARY AIRFIELD OPS		
LANDING ZONE OPS		
ERO 270		
COL 271		
RAPID GROUND REFUELING		
RAPID GROUND REFUELING		
RGR 272		
RGR 273		
NATOPS PROGRESS CHECK		
CK 290		
COMBAT QUALIFIED		
AIR DELIVERY		
AD 340		
AD 341		
AD 342		
AD 343		
FLARE DELIVERY		
BATTLEFIELD ILLUMINATION 1		
BATTLEFIELD ILLUMINATION 2		
FD 344		
RAPID GROUND REFUELING		
RGR 370		
RGR 371		

EVENT	DATE	INSTRUCTOR
NIGHT SYSTEMS QUALIFICATION		
NITE LAB		
KC-130 NVD 1		
KC-130 NVD 2		
SNSQ 380		
SNSQ 381		
SNSQ 382		
NSQ 383		
NSQ 384		
NSQ 385		
NSQ 386		
NSQ 390		
FULL COMBAT QUALIFIED		
LOW ALTITUDE TACTICS		
LAT 1		
LAT 2		
LAT MANEUVERS		
PERFORM STRESSES & LIM		
LAT 420		
AIRCRAFT SURVIABILITY EQUIPMENT		
KC-130 ASE		
ASE 460		
DEFENSIVE TACTICS		
THREAT COUNTERTACTICS		
PERFORM STRESSES & LIM		
TACTICAL A/C COORD		
DEFTAC 461		
NIGHT SYSTEMS QUALIFICATION		
NSQ 480		
NSQ 481		
INSTRUCTOR TRAINING		
INSTRUCTOR FLIGHT		
STUDENT INSTRUCTOR ROLES		
STUDENT BRF & CRITIQUE		
AIRCREW TRAINING		
CK 590		
NATOPS INSTRUCTOR		
CK 591		
NIGHT SYSTEMS INSTRUCTOR		
NSQ 383 IUT		
NSQ 384 IUT		
NSQ 385 IUT		
NSQ 480 IUT		
NSQ 481 IUT		
NSI 592		
WEAPONS AND TACTICS INSTRUCTOR		
WTI 593		
SPECIAL FLIGHT REQUIREMENTS		
MOVEMENT CONTROL		
MC 600		
SEARCH AND RESCUE		
SAR 650		
JET ASSISTED TAKE-OFF		
JAT 670		
OTHER DESIGNATIONS		
RGR TAXI DIRECTOR		
FLARE TEAM MEMBER		
FLARE TEAM LEADER		
FLARE QASO		

NAME: _____

SSN: _____

KC-130 FLIGHT ENGINEER-MECHANIC SYLLABUS

EVENT	DATE	INSTRUCTOR
COMBAT READY		
ADMINISTRATIVE FLIGHTS		
FAM 200		
FAM 201		
AERIAL REFUELING		
TACTICAL AR		
AR 210		
AR 211		
AR 212		
AR 213		
LOW LEVEL		
TAC EMPL CONCEPTS		
TAC MSN PLAN & LLNAV		
LL 220		
LL 221		
FORMATION		
FORM 230		
FORM 231		
AERIAL DELIVERY		
TACTICAL AD		
COMBO AND CRRC AD		
CDS AD		
GENL ACFT PREP FOR AD		
HEAVY EQUIPMENT AD		
PERS STATIC & MIL FF AD		
HEAVY EQUIPMENT AD		
AD 240		
OVERWATER ICAO		
OWICAO 250		
TEMPORARY LANDING ZONES		
EXPEDIT AIRFIELD OPS		
LANDING ZONE OPS		
TLZ 270		
RAPID GROUND REFUELING		
RGR		
RGR 273		
FUNCTIONAL CHECK FLIGHT		
FCF 280		
COMBAT READY EVALUATION		
CK 290		
COMBAT QUALIFIED		
LOW ALTITUDE AIR REFUELING		
LLAR 310		
LLAR 311		
LLAR 312		
LLAR 313		
FORMATION AERIAL REFUELING		
OLAR 314		
OWAR 315		
AERIAL DELIVERY		
AD 340		
AD 343		
AIRCRAFT SURVIVABILITY EQUIPMENT		
KC-130 ASE		
ASE 360		
TEMPORARY LANDING ZONE		
TLZ 370		
TLZ 371		
RAPID GROUND REFUELING		
RGR 373		

EVENT	DATE	INSTRUCTOR
ANNUAL REQUALIFICATION CHECK		
CK 390		
FULL COMBAT QUALIFIED		
LOW ALTITUDE TACTICS		
TACAIR LAT 1		
TACAIR LAT 2		
KC-130 LAT MANEUVERING		
PEFORM STRESSES & LIMITS		
LAT 432		
LAT 433		
LAT 434		
DEFENSIVE TACTICS		
THREAT COUNTERTACTICS		
KC-130 ASE		
DEFTAC 460		
DEFTAC 461		
DEFTAC 462		
INSTRUCTOR TRAINING - ONLY FE'S		
FRS INSTRUCTOR		
FAM 500		
FAM 501		
FAM 502		
FAM 503		
FAM 504		
FAM 505		
FLIGHT ENGINEER INSTRUCTOR		
STUDENT INSTRUCTOR ROLES		
STUDENT BRF & CRITIQUE		
AIRCREW TRAINING		
FEI 590		
NATOPS INSTRUCTOR		
NATOPS 591		
NIGHT SYSTEMS INSTRUCTOR		
NSI 593		
WEAPONS AND TACTICS INSTRUCTOR		
WTI 594		
SPECIAL MISSION		
TRANSPORTATION OF NUCLEAR WEAPONS		
CPL 600		
NIGHT SYSTEMS QUALIFICATION		
KC-130 NVD 1		
KC-130 NVD 2		
NVG 601		
NVG 610		
NVG 620		
NVG 621		
NVG 622		
NVG 630		
NVG 640		
NVG 660		
NVG 670		
NVG 671		
NSQ 690		
ASSISTED TAKE OFF		
ATO 695		

NAME: _____

SSN: _____