

Flying Training

**MC-130J Special Mission Aviator (SMA) Mission Qualification**

**Validation Syllabus**

April 2024

Administrative Change 1 - June 2024



Air Education and Training Command

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Designed for AETC Course Use

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CUI Category: CTI  
Limited Dissemination Control: FEDCON  
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DEPARTMENT OF THE AIR FORCE  
Headquarters Air Education and Training Command  
Randolph AFB TX 78150-4325

AETC **Validation** Syllabus MC130J-SMA-MQ  
April 2024

This syllabus outlines the training required to achieve the proficiency specified in the course training standards. It prescribes the course content, instructions to conduct the training, and the approximate time required to successfully complete all requirements. This syllabus is not complete without AETCI 36-2621, *Flying Training Course Publications Development*, AETCI 36-2605, Volume 1, *Formal Flying Training Administration and Management*, AETCI 36-2605, Volume 8, *Formal Flying Training Administration and Management – Special Operations/Personnel Recovery Search and Rescue*, and Mission Designation Series (MDS) Course Training Standards Forward suggestions for course improvement to the 19 AF AETC Special Operation/Personnel Rescue (SOF/PR) Formal Training email (19AF.PR.SOFTraining@us.af.mil). The next planned revision is April 2028.

OFFICIAL

//SIGNED//

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Supersedes AETC Syllabus MC130J-MP-MQ February 2016

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Accessibility: A .pdf file is available on the “AETC Flying Training Special Publications” Web site.

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### Summary of Changes

Significant changes to the SMA (Special Mission Aviator) Mission Qualification (MQ) Syllabus of Instruction (SOI) are included in this revision. While a thorough review is required, a summary of each change follows:

MC130J-SMA-MQ: Reduced training days to 41.

The course flow was significantly condensed.

Milestone following the simulator phase is a Required Proficiency Level (RPL) of '2'. Milestone following 'daytime' flights is an RPL of '2'.

Significant reduction in 'Flying Minimum Training Events'.

Events with a '111' lesson title updated to '211' lesson title to differentiate between HC-130J and MC-130J lessons.

Training no longer executed:

- Visual Airdrop
- Formation Procedures (RPL = 'I')
- Receiver Air-to-Air Refueling (AAR), only in academics/simulator (RPL = 'I')
- Independent Precision Radar Approach (IPRA)
- High-Altitude Low-Opening (HALO)/High-Altitude High-Opening (HAHO) and Leaflet Airdrop
- Forward Arming and Refueling Point (FARP)
- Threat Penetration
- Expendables
- Hostile Emergency Repair Procedures (HERP)

### CBT

<i>Status</i>	<i>Identifier</i>	<i>Title</i>
Removed	71/MSN-30.1	Pyrotechnic Procedures

### Lecture Discussion

<i>Status</i>	<i>Identifier</i>	<i>Title</i>
Removed	111/CRM-1	Advanced Crew Resource Management Note 1
Removed	111/MSN-2.27.1	SNT-3 Mission Brief
Removed	111/MSN-2.27.2	SNT-3 Mission Planning
Removed	111/MSN-2.32	WST-3 Mission Planning (SOF)
Removed	111/MSN-25.4	Door Bundle Airdrop
Removed	111/MSN-7	Receiver AAR Mission Seminar Note 1
Removed	111/MSN-8	HERP Seminar
Removed	111/PC-1	Publications Review
Removed	111/POC-7.3	HC/MC-130J Baseline Differences Note 1
Removed	211/GAT-10.1	Lesson Review #1
Removed	211/GAT-20.1	Lesson Review #2
Removed	211/GAT-21	Block 1 Quiz
Removed	211/GAT-22	Block 2 Quiz
Removed	211/GAT-30.1	Lesson Review #3

Removed	211/GAT-32	Block 3 Quiz
Removed	211/GAT-40.1	Lesson Review #4
Removed	211/GAT-42	Block 4 Quiz
Removed	211/REV-1.1	Block 1 Review
Removed	211/REV-2.1	Blocks 1 & 2 Review
Removed	211/REV-3.1	Blocks 1, 2, and 3 Review
Removed	211/REV-4.1	Blocks 1, 2, 3, and 4 Review
Removed	71/MSN-25.3	Leaflet Drop Procedures
Removed	91/INT-1.2	Intelligence Capabilities and Threats Training
Removed	91/MSN-1.1/A	Mission Planning Orientation Note 1
Reduced	91/MSN-28	Night Vision Goggles

### Aircrew Training Devices

- All “Radio Room” Training Removed
- All Weapons Systems Trainer (WST) Training blocks are 4.0 hours

<i>Status</i>	<i>Identifier</i>	<i>Title</i>
Removed	111/LMFT-2.1	Cargo Winch Operations/RAPIDS Practical- NVG
Removed	111/LMFT-3.1	Aircraft Preparation for Equipment Airdrop
Removed	111/LMFT-4.1	Aircraft Preparation for Personnel Airdrop
Removed	111/MSN-3.7.1	Aircraft Preparation for Personnel Airdrop (Demo)
Removed	211/LMFT-3.1	Leaflet Practical
Removed	211/LMFT-5.5	Aircraft Preparation for Door Bundle Airdrop
Removed	211/MSN-25.5	Aircraft Preparation for Door Bundle Airdrop(Demo)
Removed	111/PT-20	Aircraft Preflight with Load/Rig II
Removed	111/PT-23*	Aircraft Preflight with Load/Rig V
Removed	111/PT-23*	Aircraft Preflight with Load/Rig V
Removed	111/PT-24	HERP Procedures
Removed	111/CPT-16	Receiver AAR Systems Trainer
Removed	111/SEM-1	Evasive Maneuvers Trainer
Removed	111/SNT-3	SNT-3
Removed	211/WST-3	SOF Special Mission Training

### Flightline Training

<i>Status</i>	<i>Identifier</i>	<i>Title</i>
Removed	211/AL-3	Airland-3
Removed	211/DT-2	Day Tactical-2
Removed	211/NT-6	Night Tactical-2
Removed	211/RPD-2	Rapids-2
Removed	211/PT-25	RAPIDS Static Training 2
<b>Note:</b> Associated Ground Training and Mission Planning also deleted		

**Lessons that will require updated Instructor/Student Guide or Courseware**

<i>Status</i>	<i>Identifier</i>	<i>Title</i>
Reduced Lesson Time	211/MSN-2.29.1	SNT-5 Mission Brief
Reduced Lesson Time	91/MSN-28	Night Vision Goggles
Reduced to 4.0	211/SNT-5	SNT-5
Increased to 4.0 (+1.5)	211/CPT-15	Tanker AAR Systems Trainer
Increased to 4.0 (+2.0)	211/CPT-19	Mod Contour / Tactical Radar Operations

## Chapter 1

### Course Description

#### Section A — General Information

1. **Course Title** — MC-130J Special Mission Aviator Mission Qualification.
2. **Course Identifier** — MCJS-SMA-MQ — Personnel Data System (PDS) Code: 1XT.
3. **Course Objective** — Provide mission SMA qualification training in the MC-130J aircraft.
4. **Location** — Kirtland AFB, NM.
5. **Course Duration** — Course is designed to be 41 training days.

**Note:** For exact training duration, see Quota Management Worksheet on AETC Programmed Flying Training (PFT)/Flying Hours/Metrics Program Community of Practice at <https://cs3.eis.af.mil/sites/OO-OP-AE-57/default.aspx>

#### 6. Course Entry Prerequisites

##### a. SMA

- i. Students shall meet specific flying hour requirements (if applicable) and qualifications per AFMAN 11-2MCJ-130, Volume 1, *MC-130J Aircrew Training*.
  - ii. Graduate of a MC-130J Special Missions Aviator Initial Qualification Course (MC-130J-SMA-IQ or equivalent) or current Basic Aircraft Qualification (BAQ) Loadmaster in any C-130J variant (except KC-130J).
  - iii. Flight physical must be current for at least 30 days after course completion (per AFMAN 11-202 Volume 1, *Aircrew Training* and AFMAN 11-421, *Aviation Resource Management*).
  - iv. Aerospace Physiological Training expiration date will be current to at least 30 days after course completion (per AFMAN 11-202, Volume 1 and AFI 11-421).
  - v. Possess a Secret clearance, granted US Access in Defense Information System for Security (DISS) by their unit security managers. Security clearance will be validated upon in-processing.
  - vi. Information Assurance Certificate of Training for AFMAN 33-152, *Users Responsibilities and Guidance for Information Systems*, and DoD 8570.01-M, *Information Assurance Workforce Improvement Program*. Information Assurance training must be current.
- b. Students with incomplete or missing entry prerequisites may be refused course enrollment at the discretion of the 58 OG/CC and will require a waiver request from the applicable MAJCOM/A3T to 19 AF/A3M for approval.

**Note:** Refer to the *Education and Training Course Announcements (ETCA)* (<https://usaf.dps.mil/teams/app10-etca/SitePages/home.aspx?isdlg=1>) for additional administrative information and reporting instructions.

**7. Status Upon Graduation** — AF Form 1256, *Certificate of Training*, and AF Form 8, *Certificate of Aircrew Qualification*, are awarded upon satisfactory completion of course objectives. Graduates are qualified to perform duties in MC-130J aircraft after completion of gaining unit requirements.

**8. Training Summary** — This training places heavy emphasis on a combination of Instructor Based Training (IBT) to include briefings, demonstrations, discussion sessions, and hands on flying as the primary academic medium.

**Note:** Class sizes are as follows:

- Standard Class Size – 2 SMAs
- Non-Standard Class Size – 1 SMA, for lessons that require 2 SMAs, the contractor will provide additional support personnel for lessons as required.

Emphasis Area	Trng Days	Acad Hrs	Grd Trng Hrs	ATDs			Aircraft			Total Hrs
				No. Msns	Msn Hrs	Supp Hrs	No. Msns	Msn Hrs	Supp Hrs	
<b>a. Academic Training</b>										
Lecture/Discussion (L/D)		55.5								55.5
Computer Based Training (CBT)		24.5								24.5
Academic Ground Training (AGT)		10.0								10.0
<b>b. Device Training</b>										
Aircraft Static (ACS)										
Enhanced-Integrated Cockpit Systems Training (E-ICST)				7	14.0	3.0				17.0
Visual Threat Recognition Avoidance Trainer (VTRAT)				2	4.0	0.0				4.0
Loadmaster Part Task Trainer (LMPT)				2	2.0	2.0				4.0
Loadmaster Fuselage Trainer (LMFT)				4	19.0	3.5				22.5
Enhanced Fuselage Trainer (eFuT)				5	22.5	4.0				26.5
Loadmaster Air Refueling Simulator (LARS)				2	8.0	0.0				8.0
Weapon Systems Trainer (WST)				4	16.0	6.5				22.5
<b>c. Flying Training</b>										
Aircraft Flying (ACF)							10	38.0	58.5	96.5
Flight Line Ground Training (FLGT)			78.0							78.0
<b>Total Training Data</b>	<b>41</b>	<b>90.0</b>	<b>78.0</b>	<b>26</b>	<b>85.5</b>	<b>19.0</b>	<b>10</b>	<b>38.0</b>	<b>58.5</b>	<b>369.0</b>



**9. Equipment Required** — Refer to AETCI 36-2605, Volume 8, *Formal Flying Training Administration and Management*. — *Special Operations/Personnel Recovery* and ETCA (<https://usaf.dps.mil/teams/app10-etca/SitePages/Course.aspx?ao=1&i=4042&isdlg=1>).

Item	Quantity
CDS Skidboard	2 each
Energy Dissipating Material (Honeycomb)	200 sq ft
A-22 Sling	2 each
Webbing, Cotton (80-pound)	720 feet
Cord, Nylon (Type III 550 cord)	650 Feet
Webbing, Nylon, Tubular (1/2-Inch)	1,000 feet
Item	Quantity
Cloth Back Tape	250 Feet
Webbing, Textile, Woven, Nylon, (Type VIII Nylon)	270 Feet
Thread, Cotton, (Type 8/7, 5 Cord)	175 feet

**10. Pyrotechnics and Munitions Required** — None

**11. Aircrew Graduate Evaluation Program (AGEP)** — This syllabus contains AGEP stops, See AETCI 36-2606, *Aircrew Graduate Evaluation Program*.

## 12. Support Time Breakdown

<i>Identifier</i>	<i>Title</i>	<i>MP</i>	<i>Total Support Hours</i>	<i>CTR</i>		<i>AF</i>		<i>Media</i>
				<i>Pre-Msn</i>	<i>Post-Msn</i>	<i>Pre-Msn</i>	<i>Post-Msn</i>	
111/PT-16	Power Up Preflight (EO-IR)	C	1.0	0.5	0.5	-	-	E-ICST
111/PT-17	Power Up Preflight (Tanker/Receiver AAR Systems)	C	1.0	0.5	0.5	-	-	E-ICST
111/PT-18	Power Up Preflight (All Systems)	C	1.0	0.5	0.5	-	-	E-ICST
111/LMFT-2	Cargo Winch Operations/RAPIDS Practical	C	1.0	0.5	0.5	-	-	LMFT
111/LMFT-4.2	Aircraft Preparation for CDS/CRL/CRRC Airdrop	C	1.0	0.5	0.5	-	-	LMFT
111/MSN-25.14.1	Aircraft Preparation for Equipment Airdrop (Demo)	C	1.0	0.5	0.5	-	-	LMFT
111/MSN-25.8	Aircraft Preparation for CDS/CRL/CRRC Airdrop (Demo)	C	1.0	0.5	0.5	-	-	LMFT
111/PT-19	Aircraft Preflight with Load/Rig I	C	1.0	0.5	0.5	-	-	EFUT
111/PT-21	Aircraft Preflight with Load/Rig III	C	1.0	0.5	0.5	-	-	EFUT
111/PT-22*	Aircraft Preflight with Load/Rig IV	C	1.0	0.5	0.5	-	-	EFUT
111/PT-22*	Aircraft Preflight with Load/Rig IV	C	1.0	0.5	0.5	-	-	EFUT
111/CPT-15	Tanker AAR Systems Trainer	C	1.0	0.5	0.5	-	-	WST
111/SDT-1	Tanker AAR Simulator	C	1.5	1.0	0.5	-	-	WST
211/SNT-5	SNT-5	C	2.0	1.0	1.0	-	-	WST
211/RPD-1	Rapids-1	C	2.0					ACF
<b>14 Events</b>	<b>Total Hours</b>		<b>17.5</b>	<b>8.0</b>	<b>7.5</b>	<b>-</b>	<b>-</b>	<b>-</b>

## Chapter 2 Course Administration

### Section A — Syllabus Management

1. **Syllabus Interpretation** — See AETCI 36-2621.
2. **Syllabus Waiver** — See AETCI 36-2605, Volume 8.
3. **Syllabus Deviation and Omitted Training (Syllabus Variations)** — See AETCI 36-2605, Volume 8.
4. **Incomplete Training** — See AETCI 36-2605, Volume 8.

### Section B — Training Management

**1. Fuel Conservation** — AETC is committed to fuel conservation and maximizing training value for the command's energy resource investment without compromising safety, air discipline, or negatively affecting the quality of our flying training product. Aircrews must manage aviation fuel as a limited and costly resource. Consider fuel optimization throughout all phases of mission planning and syllabus execution. Ensure ground operations (engine start times/taxi routing) and flight profiles are optimized for efficient fuel use. Adhere closely to syllabus average mission durations. Do not exceed these flight times except for extenuating circumstances or to meet training objectives.

**2. Agile Combat Employment (ACE)/Mission Ready Airman (MRA)** — The ACE and MRA concepts are inherent to SOF/PR mission sets. Students are exposed to several events during training that can be directly correlated to the ACE/MRA mindset. During the flight line portion of training, Instructors should emphasize specific events such as dynamic mission planning, austere operations, decentralized operations (maintenance functions), MDS interoperability and how they relate to the ACE/MRA concepts. This ensures that students can relate training into how ACE and MRA are employed.

**3. Aircrew Training Guidance** — See AETCI 36-2605 Volume 1 and 8.

**4. Regression Rules** — See AETCI 36-2605, Volume 8.

**5. Student Eliminations** — See AETCI 36-2605, Volume 8.

**6. Total Allowable X Sorties/Lessons** — See AETCI 36-2605, Volume 8 and the following table.

Allowable X Events	Chapter 4, Section A (ATD Phase)	Chapter 4, Section B (Flying Phase)
Aircrew Training Device Lessons	8	0
Aircraft Flying Sorties	0	2

**7. Commander's Awareness Program** — See AETCI 36-2605, Volume 8.

**8. Commander's Review Process** — See AETCI 36-2605, Volume 8.

**9. Unsatisfactory Student Performance** — See AETCI 36-2605, Volume 8.

**10. Progress Check / Elimination Check** — See AETCI 36-2605, Volume 8.

**11. Proficiency Advancement and Proficiency Reallocations** — See AETC 36-2605, Volume 8.

### Section C — Grading Procedures

1. **Student Performance and Knowledge** — See AETCI 36-2621 and AETCI 36-2605, Volume 8.

### Section D — Course Training Standards

**1. Course Training Standards (CTS)** — CTS describes the minimum overall required performance levels (RPL) and Individual Maneuver Requirements required to progress through and graduate from the course. Refer to AETC Syllabus Supplement MC-130J CTS for specific performance and knowledge grading criteria for each maneuver item. AETC Bookstore: <https://trss3.randolph.af.mil/Bookstore/home/homePage.aspx>

## Chapter 3 Academic Training

### Section A — Academics

#### 1. Computer Based Training (CBT) Table

- a. Items with a 'Note 1' are not applied to total training times and must be scheduled when able on 'self-study' days or when time permits.

Identifier	Title	MP	Event		SMA
			CTR	AD	
111/MSN-25.10	Heavy Equipment Airdrop	C	1.0	-	1.0
111/MSN-25.15	Heavy Equipment Airdrop Procedures	C	1.0	-	1.0
111/MSN-25.11	EFTC Extraction System Operation	C	0.5	-	0.5
111/MSN-25.2	Personnel Airdrop Procedures	C	1.5	-	1.5
111/MSN-35.5	Combat Offload Procedures	C	1.0	-	1.0
111/MSN-4.10	Personnel Emergency Procedures	C	1.5	-	1.5
111/MSN-4.11	CDS / CRL / CRRC Malfunction Emergency Procedures	C	1.0	-	1.0
111/MSN-6	Normal Tanker AAR Procedures	C	1.0	-	1.0
111/MSN-6.1	Tanker AAR Lost Contact/Malfunctions/EPs	C	1.0	-	1.0
111/MSN-6.3	Tanker AAR HSD Normal & Lost Contact Procedures	C	1.0	-	1.0
111/NAV-15	EO/IR Operations	C	1.5	-	1.5
111/POC-7.1	HC/MC-130J Mission Overview	C	0.5	-	0.5
111/SYS-3.4	Tanker Air-to-Air (AAR) Systems Operations	C	1.0	-	1.0
111/SYS-3.5	UARRSI System <sup>Note 1</sup>	C	1.0	-	1.0
111/MSN-7.1	Receiver AAR Procedures <sup>Note 1</sup>	C	1.0	-	1.0
211/EXM-8/L	MC-130J Loadmaster End of Phase Examination	C	4.0	-	4.0
211/MSN-25	Airdrop Procedures/Emergency Procedures	C	3.0	-	3.0
91/CRTQ-1	Critique	C	1.0	-	1.0
91/CRTQ-2	Critique	C	1.0	-	1.0
19 Events	Total Hours		24.5	-	24.5
<b>Note:</b> 1. Lesson not required for students who completed the MC/HC-130J Initial Qualification Course and are not programmed into the Course Flow.					

## 2. Lecture/Discussion (L/D) Table

- a. Items with a 'Note 1' are not applied to total training times and must be scheduled when able on 'self-study' days or when time permits.

<i>Identifier</i>	<i>Title</i>	<i>MP</i>	<i>Event</i>		<i>SMA</i>
			<i>CTR</i>	<i>AD</i>	
111/MSN-17	Rapids Procedures	C	1.0	-	1.0
111/MSN-19.1	Tactics Seminar	C	3.0	-	3.0
211/MSN-2.29.1	SNT-5 Mission Brief	C	2.0	-	2.0
211/MSN-2.29.2	SNT-5 Mission Planning	C	2.0	-	2.0
111/MSN-25.18.1	CDS / CRL / CRRC Airdrop Procedures	C	1.0	-	1.0
111/MSN-25.24	Introduction to Airdrop Rigging	C	1.5	-	1.5
111/MSN-25.15	Heavy Equipment Airdrop Procedures	C	1.0	-	1.0
111/MSN-3.7	Aircraft Preparation for Personnel	C	1.0	-	1.0
111/MSN-4.12	Equipment Airdrop Emergency Procedures	C	1.0	-	1.0
111/MSN-6.2	Tanker AAR Mission Seminar	C	2.5	-	2.5
111/SYS-16	Aerial Delivery System (ADS) Application	C	1.0	-	1.0
111/SYS-23.4	Defensive Systems Overview	C	2.0	-	2.0
211/EXM-1.2	Block 1 Exam	C	2.0	-	2.0
211/EXM-2.2	Blocks 1 & 2 Exam	C	2.0	-	2.0
211/EXM-3.2	Blocks 1, 2, and 3 Exam	C	2.0	-	2.0
211/EXM-4.2	Blocks 1, 2, 3, and 4 Exam	C	2.0	-	2.0
211/GAT-21.1	Block 1 IGR	C	3.0	-	3.0
211/GAT-22.1	Block 2 IGR	C	3.0	-	3.0
211/GAT-32.1	Block 3 IGR	C	3.0	-	3.0
211/GAT-42.1	Block 4 IGR	C	3.0	-	3.0
211/MSN-18.5	MC-130J NVG Modified Contour TTPs	C	2.0	-	2.0
211/MSN-35.7	MC-130J RAPIDS / FARP Seminar	C	2.0	-	2.0
211/MSN-40	Air Force / MAJCOM Instructions	C	1.0	-	1.0
71/MSN-28	Night Vision Goggles Refresher <sup>Note 1</sup>	C	4.0	-	4.0
91/INT-1.1	Intelligence Capabilities and Threats Training	A	-	4.0	4.0
71/MSN-29	Life Support and Survival Training <sup>Note 1</sup>	A	-	1.5	1.5
71/MSN-29.1	Hanging Harness <sup>Note 1</sup>	A	-	2.0	2.0
<b>27 Events</b>	<b>Total Hours</b>		<b>48.0</b>	<b>7.5</b>	<b>55.5</b>

**Note:**

1. Lesson not required for students who completed the MC/HC-130J Initial Qualification Course and are not programmed into the Course Flow.

## Section B — Administrative Ground Training (AGT)

### 1. AGT Table

- a. Items with a 'Note 1' are not applied to total training times and must be scheduled when able on 'self-study' days or when time permits.

Identifier	Title	MP	Event		SMA
			CTR	AD	
91/POC-1.1	Inprocessing <sup>Note 1</sup>	C	3.0		3.0
91/POC-2	Course Orientation	A		1.0	1.0
91/POC-3	Learning Center Orientation <sup>Note 1</sup>	C	1.0		1.0
221/GAT-3	Equipment Issue <sup>Note 1</sup>	A		2.0	2.0
91/POC-9	Graduation & Out-processing	A		2.0	2.0
91/POC-99	Academic Grad Review	C	1.0		1.0
6 Events	Total Hours		5.0	5.0	10.0
Notes: 1. Lesson not required for students who completed the MC/HC-130J Initial Qualification Course and are not programmed into the course lesson flow.					

## Chapter 4

### Flying/Mission/Simulator Training

#### Section A — Aircrew Training Devices Phase

The column “MP” defines manpower requirements for each instructional event – “C” indicates contract instruction, “A” indicates Air Force Active Duty/Guard instruction.

#### 1. E-ICST

Identifier	Title	MP	Event				SMA
			CTR		AD		
			Sortie	Support	Sortie	Support	
111/PT-13.1	Power Up Preflight	C	2.0	0.0	-	-	2.0
111/PT-14.1	Power Up Preflight	C	2.0	0.0	-	-	2.0
111/PT-15.1	Power Up Preflight	C	2.0	0.0	-	-	2.0
111/PT-16	Power Up Preflight (EO-IR)	C	2.0	1.0	-	-	2.0
111/PT-17	Power Up Preflight (Tanker/Receiver AAR Systems)	C	2.0	1.0	-	-	2.0
111/PT-17.1	Power Up Preflight	C	2.0	0.0	-	-	2.0
111/PT-18	Power Up Preflight (All Systems)	C	2.0	1.0	-	-	2.0
7 Events	Total Hours		14.0	3.0	-	-	14.0

#### 2. VTRAT

Identifier	Title	MP	Event				SMA
			CTR		AD		
			Sortie	Support	Sortie	Support	
91/VT-20*	Visual Threat Recognition and Avoidance Trainer	C	2.0	-	-	-	2.0
91/VT-20*	Visual Threat Recognition and Avoidance Trainer	C	2.0	-	-	-	2.0
2 Events	Total Hours		4.0	-	-	-	4.0

**Note:**

\* - This event will be completed by each student. The event has been doubled in the course flow for scheduling purposes. When repeated event is scheduled twice on the same training day, the total time for the crew position reflects completing the event once per this requirement. When the event is 5.5 hours or longer the repeated event was added to the next training day to account for potential device availability limitations.

### 3. LMPT

Identifier	Title	MP	Event				SMA
			CTR		AD		
			Sortie	Support	Sortie	Support	
111/MSN-25.13	Airdrop Programming	C	1.0	-	-	-	1.0
111/MSN-25.12.1	RECP Operation	C	1.0	-	-	-	1.0
2 Events	Total Hours		2.0	-	-	-	2.0

### 4. LMFT.

Identifier	Title	MP	Event				SMA
			CTR		AD		
			Sortie	Support	Sortie	Support	
111/LMFT-2	Cargo Winch Operations/RAPIDS Practical	C	5.0	0.5	-	-	6.0
111/LMFT-4.2	Aircraft Preparation for CDS/CRL/CRRC Airdrop	C	4.0	1.0	-	-	5.0
111/MSN-25.14.1	Aircraft Preparation for Equipment Airdrop (Demo)	C	3.0	1.0	-	-	4.0
111/MSN-25.8	Aircraft Preparation for CDS/CRL/CRRC Airdrop (Demo)	C	3.0	1.0	-	-	4.0
4 Events	Total Hours		15.0	3.5	-	-	19.0

### 5. eFuT

Identifier	Title	MP	Event				SMA
			CTR		AD		
			Sortie	Support	Sortie	Support	
111/POC-7.1.1	Aircraft Familiarization/Egress <sup>Note 1</sup>	C	2.5	0.0	-	-	2.5
111/PT-19	Aircraft Preflight with Load/Rig I	C	4.0	1.0	-	-	5.0
111/PT-21	Aircraft Preflight with Load/Rig III	C	4.0	1.0	-	-	5.0
111/PT-22*	Aircraft Preflight with Load/Rig IV	C	4.0	1.0	-	-	5.0
111/PT-22*	Aircraft Preflight with Load/Rig IV	C	4.0	1.0	-	-	5.0
5 Events	Total Hours		18.5	4.0	-	-	22.5

**Notes:**

1. Lesson not required for students who completed the MC/HC-130J Initial Qualification Course and are not programmed into the course lesson flow.

\* - This event will be completed by each student. The event has been doubled in the course flow for scheduling purposes. When repeated event is scheduled twice on the same training day, the total time for the crew position reflects completing the event once per this requirement.



## 6. LARS

Identifier	Title	MP	Event				SMA
			CTR		AD		
			Sortie	Support	Sortie	Support	
71/LARS-1*	LARS	C	4.0	-	-	-	4.0
71/LARS-1*	LARS	C	4.0	-	-	-	4.0
2 Events	Total Hours		8.0	-	-	-	8.0
Notes: * - This event will be completed by each student. The event has been doubled in the course flow for scheduling purposes. When repeated event is scheduled twice on the same training day, the total time for the crew position reflects completing the event once per this requirement.							

## 7. WST

Identifier	Title	MP	Event				SMA
			CTR		AD		
			Sortie	Support	Sortie	Support	
211/CPT-15	Tanker AAR Systems Trainer	C	4.0	1.0	-	-	4.0
211/SDT-1	Tanker AAR Simulator	C	4.0	1.5	-	-	4.0
211/SDT-3	Airdrop Procedures Trainer	C	4.0	2.0	-	-	4.0
211/SNT-5	SNT-5	C	4.0	2.0	-	-	4.0
4 Events	Total Hours		16.0	6.5	-	-	16.0

## Section B — Flying Phase

### 1. Aircraft Flying:

- a. Upon completion of this phase, students are mission qualified.
- b. Using the building block approach to training, students will normally demonstrate proficiency in day tactical events before performing night, NVG events.
- c. Student flight duty day is up to 12 hours and the student training day may be up to 16 hours.
- d. Sortie hours are for planning and resource purposes, meaning that aircraft flying events can be credited without logging the entire sortie duration.
- e. When approved by the OG/CC, if the student meets all flight phase RPLs at the completion of NT-2 they may proceed to the evaluation without accomplishing subsequent sorties.

Identifier	Title	MP	Event				SMA
			CTR		AD		
			Sortie	Support	Sortie	Support	
211/AL-1	Airland-1	A	-	-	4.0	6.5	11.0
211/AL-2	Airland-2	A	-	-	4.0	6.5	11.0
211/DT-1	Day Tactical-1	A	-	-	4.0	6.5	10.5
211/NT-1	Night Tactical-1	A	-	-	4.0	6.5	10.5
211/NT-2	Night Tactical-2	A	-	-	4.0	6.5	10.5
211/NT-3	Night Tactical-3	A	-	-	4.0	6.5	10.5
211/NT-4	Night Tactical-4	A	-	-	4.0	6.5	10.5
211/NT-5	Night Tactical-5	A	-	-	4.0	6.5	10.5
211/RPD-1	Rapids-1 <sup>Note 1</sup>	A/C	-	2.0	2.0	-	4.0
211/EV-1	Qual/Mission Evaluation	A	-	-	4.0	6.5	10.5
10 Events	Total Hours			2.0	38.0	58.5	99.5
Notes: 1. Rapids-1 is a designated time allotment for the completion of infiltration/exfiltration training. These are designated SMA training events. These sorties can be completed in conjunction with other night tactical sorties. Two contract support personnel are primary to drive and tie down the vehicle used. These personnel will be NVG qualified and have a GOV license. Each SMA student will perform Primary and Secondary duties for both an infiltration and exfiltration with an actual vehicle and fly-away, to include completion of the entire checklist uninterrupted – compression of checklists is permitted for mission/sortie requirements. SMA Students will perform at least one iteration of infiltration/exfiltration. Modified Canary Slides (Bi-Fold Auxiliary Loading Ramps) used for training will not be modified beyond T.O. 13C10-8-1 – this applies to in-flight operations and static load training. Each SMA student will perform a FAM/Egress/Destruction briefing IAW AFMAN 11-2MC-130J, Volume 3. The driver will remain the same between static load training and the actual flying events. Static load training will be conducted in day/night conditions and not in direct conjunction with an actual sortie.							

**2. Ground Training:** Ground Training hours are the maximum time allotted to cover required flying training material.

Identifier	Title	MP	Event				SMA
			CTR		AD		
			Sortie	Support	Sortie	Support	
111/GAT-1	SQ Orientation/Local Area Procedures	A	-	-	3.0	-	3.0
111/GT-1	Ground Training 1	A	-	-	3.0	-	3.0
111/GT-2	Ground Training 2	A	-	-	4.0	-	4.0
111/GT-3	Ground Training 3	A	-	-	4.0	-	4.0
111/GT-4	Ground Training 4	A	-	-	4.0	-	4.0
111/GT-5	Ground Training 5	A	-	-	4.0	-	4.0
111/GT-7	Ground Training 7 Qual/Mission EPE	A	-	-	4.0	-	4.0
211/MSN-2.39	Airland-1 Mission Planning	A	-	-	4.0	-	4.0
211/MSN-2.39.2	Airland-2 Mission Planning	A	-	-	4.0	-	4.0
211/MSN-2.40	Day Tactical-1 Mission Planning	A	-	-	4.0	-	4.0
211/MSN-2.42	Night Tactical-1 Mission Planning	A	-	-	4.0	-	4.0
211/MSN-2.43	Night Tactical-2 Mission Planning	A	-	-	4.0	-	4.0
211/MSN-2.44	Night Tactical-3 Mission Planning	A	-	-	4.0	-	4.0
211/MSN-2.45	Night Tactical-4 Mission Planning	A	-	-	4.0	-	4.0
211/MSN-2.46	Night Tactical-5 Mission Planning	A	-	-	4.0	-	4.0
211/MSN-2.47	Qual/Mission Eval Mission Planning	A	-	-	4.0	-	4.0
211/PT-24	RAPIDS Static Training 1 <sup>Note 1</sup>	A/C	-	4.0	4.0	-	8.0
91/OGV-1	OGV Testing Qual/MSN Test	A	-	-	8.0	-	8.0
18 Events	Total Hours			4.0	74.0	0.0	78.0

**Notes:**

1. Rapids-1 is a designated time allotment for the completion of infiltration/exfiltration training. These are designated SMA training events. These sorties can be completed in conjunction with other night tactical sorties. Two contract support personnel are primary to drive and tie down the vehicle used. These personnel will be NVG qualified and have a GOV license. Each SMA student will perform Primary and Secondary duties for both an infiltration and exfiltration with an actual vehicle and fly-away, to include completion of the entire checklist uninterrupted – compression of checklists is permitted for mission/sortie requirements. SMA Students will perform at least one iteration of infiltration/exfiltration. Modified Canary Slides (Bi-Fold Auxiliary Loading Ramps) used for training will not be modified beyond T.O. 13C10-8-1 – this applies to in-flight operations and static load training. Each SMA student will perform a FAM/Egress/Destruction briefing IAW AFMAN 11-2MC-130J, Volume 3. The driver will remain the same between static load training and the actual flying events. Static load training will be conducted in day/night conditions and not in direct conjunction with an actual sortie.

## Section C — Flying Minimum Events

1. **Flying minimum events:** Events are derived from AFMAN 11-2MC-130J, Volume 1. Unless otherwise noted, each event will be taught IAW AFMAN 11-2MC-130J, Volume 1 guidance.

<i>Event Title</i>	<i>Required</i>
Aircrew Proficiency Sortie	4
Combat Mission Profile	5
Infiltration/Exfiltration (RAPIDS)	1
Heavy Equipment Airdrop (Actual, SMAs not required to be primary)	2
CDS Airdrop (Manual Cut) (Actual)	1
CRL Airdrop (Actual)	1
SATB	1
NVG Airdrop	2
NVG HAAR/TAAR	2
Combat Offload	2
Full Aircraft Preflight	6
ERO Upload and Download	1
NVG ERO Upload and Download	1
Reverse Taxi	3
Bare time Upload and Download	1
Rollerized time Upload and Download	1
K-Loader Upload and Download	1
Vehicle Upload and Download	2
Winching Upload and Download	1

2. **Proficiency Advancement (PA):** Students may PA past remaining events listed in the minimum events tables provided at least 50% of the minimum events previously met or exceeded the RPL. The SQ/CC or SQ/DO is the PA approval authority. To document, the instructor makes a narrative recommendation and the concurring official enters a narrative with a lesson grade PA. Document PA on the advanced (skipped) events in the student's training folder. Note: PA may be used more than once. Sortie numbers are intended to provide sufficient time to meet an RPL of 3 in all events. Based on performance, students may PA sorties IAW AETCI 36-2605, Volume 8.
3. Using the building block approach to training, students will normally demonstrate proficiency in airland and day tactical events before performing NVG events.
4. The notes in this table enable flightline flexibility and every attempt should be made to accomplish MIF items as intended.
5. Aircrew Training Devices Phase: Unless listed lower below, initial RPL for all Maneuver Items is 2/2 for performance/knowledge starting at 211/SNT-5.

## Section D — Milestones

1. **Milestones** – Unless otherwise noted, RPL for all milestones is 2 to transition from Aircrew Training Devices Phase to Flightline Phase. Milestones are syllabus events where the graduation RPL for a given training task must be met and maintained for continued scheduled progression in the course. The milestone for all flightline events is the sortie preceding the evaluation.
2. **Courseware Identification System** – The lesson number includes unit identifiers consisting of a 2 or 3-digit prefix, lesson type code, and suffix. A detailed explanation of the courseware identification system is listed in Chapter 5, Section C.

<i>MI Number</i>	<i>Maneuver Item</i>	<i>ATD Milestone</i>	<i>RPL</i>	<i>Flightline Milestone</i>	<i>RPL</i>
001	Safety	111/PT-22	2	211/DT-1 211/NT-5	2 3
002	Aircrew Discipline	111/PT-22	2	211/DT-1 211/NT-5	2 3
003	Airmanship/Situational Awareness	111/PT-22	2	211/DT-1 211/NT-5	2 3
004	Boldface	111/PT-22	3	211/AL-1	3
005	Emergency Procedures Evaluation (EPE)				
006	Crew Coordination	111/PT-22	2	211/DT-1 211/NT-5	2 3
007	Mission Planning	111/PT-22	2	211/DT-1 211/NT-5	2 3
007.1	Mission Planning (Non-Tactical)	111/PT-22	2	211/DT-1 211/NT-5	2 3
007.2	Aircraft Performance	111/PT-22	2	211/DT-1 211/NT-5	2 3
008	Knowledge of Directives	111/PT-22	2	211/DT-1 211/NT-5	2 3
009	Preflight	111/PT-22	2	211/DT-1 211/NT-5	2 3
009.1	Preflight (General)	111/PT-22	2	211/DT-1 211/NT-5	2 3
009.2	Aerospace Ground Equipment (AGE) Usage	111/PT-22	2		
010	Use of Checklist	111/PT-22	2	211/DT-1 211/NT-5	2 3
011	Forms/Reports/Logs	111/PT-22	2	211/DT-1 211/NT-5	2 3
012	Personal/Professional Equipment/Flight Publications				
012.1	Flight Publications	111/PT-22	2	211/DT-1 211/NT-5	2 3
012.2	Personal and Professional Equipment	111/PT-22	2	211/DT-1 211/NT-5	2 3
013	Emergency and Aircrew Flight Equipment/Procedures				
013.1	Aircrew Flight Equipment	111/PT-22	2	211/DT-1 211/NT-5	2 3

013.2	Emergency Equipment	111/PT-22	2	211/DT-1 211/NT-5	2 3
013.3	Emergency Operating Procedures	111/PT-22	2	211/DT-1 211/NT-5	2 3
013.3.1	Engine Fire Shutdown	111/PT-22	2	211/DT-1 211/NT-5	2 3
013.3.2	Auxiliary Power Unit Fire (Ground/Inflight)	111/PT-22	2	211/DT-1 211/NT-5	2 3
013.3.3	Ground Evacuation	111/PT-22	2	211/DT-1 211/NT-5	2 3
013.3.4	Engine and Propeller System Failures	111/PT-22	2	211/DT-1 211/NT-5	2 3
013.3.5	Hydraulic Systems Failures	111/PT-22	2	211/DT-1 211/NT-5	2 3
013.3.6	Landing Gear System Failure	111/PT-22	2	211/DT-1 211/NT-5	2 3
013.3.7	Fuel System Failure	111/PT-22	2	211/DT-1 211/NT-5	2 3
013.3.8	Flight Controls System Failures	111/PT-22	2	211/DT-1 211/NT-5	2 3
013.3.9	Electrical Systems Failure	111/PT-22	2	211/DT-1 211/NT-5	2 3
013.3.9.1	Load Shedding Procedures	111/PT-22	2	211/DT-1 211/NT-5	2 3
013.3.10	Fire and Smoke	111/PT-22	2	211/DT-1 211/NT-5	2 3
013.3.11	Pressurization and Oxygen	111/PT-22	2	211/DT-1 211/NT-5	2 3
013.3.12	Door and Ramp System Failures	111/PT-22	2	211/DT-1 211/NT-5	2 3
013.3.13	Ditching and Ditching Technique	111/PT-22	2	211/DT-1 211/NT-5	2 3
013.3.14	Bailout Procedures	111/PT-22	2	211/DT-1 211/NT-5	2 3
013.3.15	Cargo Jettison	111/PT-22	2	211/DT-1 211/NT-5	2 3
013.3.16	Avionic Subsystem Failures	111/PT-22	2	211/DT-1 211/NT-5	2 3
013.3.16.1	Single MC Failures	111/PT-22	2	211/DT-1 211/NT-5	2 3
013.3.16.2	BIU Backup Mode Procedures	111/PT-22	2	211/DT-1 211/NT-5	2 3
013.4	ACAWS	111/PT-22	2	211/DT-1 211/NT-5	2 3
014	Briefing/Debriefing	111/PT-22	2	211/DT-1 211/NT-5	2 3
015	Classified Material/Operations Security (OPSEC)	111/PT-22	2	211/DT-1 211/NT-5	2 3

016	Anti-Hijacking/Aircraft Security	111/PT-22	2	211/DT-1 211/NT-5	2 3
017	Communication				
017.1	Communication	111/PT-22	2	211/DT-1 211/NT-5	2 3
017.2	Degraded Communications	111/PT-22	2	211/DT-1 211/NT-5	2 3
018	Risk Management/Decision Making	111/PT-22	2	211/DT-1 211/NT-5	2 3
019	Task Management	111/PT-22	2	211/DT-1 211/NT-5	2 3
034	Weight and Balance	111/PT-22	2	211/DT-1 211/NT-5	2 3
046	Airdrop Procedures				
046.1	Airdrop: Normal Procedures	111/PT-22	2	211/DT-1 211/NT-5	2 3
046.1.1	Heavy Equipment: Non-Towplate	111/PT-22	2	211/DT-1 211/NT-5	2 3
046.1.2.1	CDS/CRL: Manual/Static Line Retriever Gate Cut	111/PT-22	2	211/DT-1 211/NT-5	2 3
046.1.3.1	Personnel/Door Bundle: Troop Door Exit	111/PT-22	2	211/DT-1 211/NT-5	I I
046.1.3.2	Personnel/Door Bundle: Ramp and Door Exit	111/PT-22	2	211/DT-1 211/NT-5	I I
046.1.4	High Altitude Airdrop (HALO/HAHO)	111/PT-22	2		
046.2	Airdrop: Emergency Procedures	111/PT-22	2	211/DT-1 211/NT-5	2 3
046.2.1.1	Heavy Equipment: Non-Towplate	111/PT-22	2	211/DT-1 211/NT-5	2 3
046.2.1.2	Heavy Equipment: Loose Platform	111/PT-22	2	211/DT-1 211/NT-5	2 3
046.2.2	CDS/CRL: Manual/Static Line Retriever: Gate Fails to Cut/Load Fails to Exit	111/PT-22	2	211/DT-1 211/NT-5	2 3
046.2.3.1	Personnel/Door Bundle: Troop Door Exit Malfunction	111/PT-22	2	211/DT-1 211/NT-5	I I
046.2.3.2	Personnel/Door Bundle: Ramp and Door Exit Malfunction	111/PT-22	2	211/DT-1 211/NT-5	I I
050	Defensive Systems Knowledge/Employment				
050.1	Defensive Systems Knowledge	111/PT-22	2	211/DT-1 211/NT-5	2 3
050.2	ADA Threats and Countertactics	111/PT-22	2	211/DT-1 211/NT-5	2 3
050.3	SAM Threats and Countertactics	111/PT-22	2	211/DT-1 211/NT-5	2 3
050.4	In-flight Threat Analysis/Tactics	111/PT-22	2	211/DT-1 211/NT-5	2 3
052.0	Fuel Management Procedures	111/PT-22	2	211/DT-1 211/NT-5	2 3

053.0	Receiver Air-to-Air Refueling Systems/Procedures				
053.1	Receiver Air-to-Air Refueling Systems/Procedures	111/PT-22	2	211/DT-1 211/NT-5	I I
053.2	Receiver Air-to-Air Refueling Emergency Procedures	111/PT-22	2	211/DT-1 211/NT-5	I I
053.3	Receiver Air-to-Air Refueling Breakaway Procedures	111/PT-22	2	211/DT-1 211/NT-5	I I
054.0	Tanker Air-to-Air Refueling Systems/Procedures				
054.1	Tanker Air-to-Air Refueling: Normal Procedures	111/PT-22	2	211/DT-1 211/NT-5	2 3
054.1.1	Tanker Air-to-Air Refueling: EMCON	111/PT-22	2	211/DT-1 211/NT-5	2 3
054.2	Tanker Air-to-Air Refueling: Systems	111/PT-22	2	211/DT-1 211/NT-5	2 3
054.3	Tanker Air-to-Air Refueling: Emergency Procedures	111/PT-22	2	211/DT-1 211/NT-5	2 3
054.3.4	Tanker Air-to-Air Refueling: Breakaway Procedures	111/PT-22	2	211/DT-1 211/NT-5	2 3
054.3.6	Tanker Air-to-Air Refueling: Hydraulic Malfunction	111/PT-22	2	211/DT-1 211/NT-5	2 3
055	Forward Area Refueling Point Procedures (FARP)				
055.1	Forward Area Refueling Point Procedures (FARP)				
055.2	Forward Area Refueling Point Procedures (FARP) Emergency Procedures				
056	Objective Area Formation				
056.1	General Formation	111/PT-22	I	211/DT-1 211/NT-5	I I
056.3.1	Formation Ground/Taxi Operations	111/PT-22	I	211/DT-1 211/NT-5	I I
057	Systems Operation/Knowledge/Limitations				
057.1	Electrical System	111/PT-22	2	211/DT-1 211/NT-5	2 3
057.2	Lighting System	111/PT-22	2	211/DT-1 211/NT-5	2 3
057.3	Fuel System	111/PT-22	2	211/DT-1 211/NT-5	2 3
057.4	Power Plant	111/PT-22	2	211/DT-1 211/NT-5	2 3
057.5	Fire Detection and Extinguisher System	111/PT-22	2	211/DT-1 211/NT-5	2 3
057.6	Bleed Air System	111/PT-22	2	211/DT-1 211/NT-5	2 3
057.7	Auxiliary Power Unit (APU)	111/PT-22	2	211/DT-1 211/NT-5	2 3
057.8	Propellers	111/PT-22	2	211/DT-1 211/NT-5	2 3



057.9	Hydraulic Supply Systems	111/PT-22	2	211/DT-1 211/NT-5	2 3
057.10	Flight Control Systems	111/PT-22	2	211/DT-1 211/NT-5	2 3
057.11	Landing Gear and Brake Systems	111/PT-22	2	211/DT-1 211/NT-5	2 3
057.12	Air Conditioning and Pressurization Systems	111/PT-22	2	211/DT-1 211/NT-5	2 3
057.13	Anti-icing and Deicing Systems	111/PT-22	2	211/DT-1 211/NT-5	2 3
057.14	Oxygen System	111/PT-22	2	211/DT-1 211/NT-5	2 3
057.15	Automatic Flight Control System	111/PT-22	I	211/DT-1 211/NT-5	2 3
057.16	Avionics Systems	111/PT-22	2	211/DT-1 211/NT-5	2 3
057.17	Communications	111/PT-22	2	211/DT-1 211/NT-5	2 3
057.18	Communications/Navigation/Identification Management System (CNI-MS)	111/PT-22	2	211/DT-1 211/NT-5	2 3
057.19	Flight Displays	111/PT-22	2	211/DT-1 211/NT-5	2 3
057.20	Standby Instruments	111/PT-22	2	211/DT-1 211/NT-5	2 3
057.21	Miscellaneous Systems and Equipment	111/PT-22	2	211/DT-1 211/NT-5	2 3
057.22	Cargo Door and Ramp System	111/PT-22	2	211/DT-1 211/NT-5	2 3
057.23	Aerial Delivery System (ADS)	111/PT-22	2	211/DT-1 211/NT-5	2 3
057.24	Enhanced Cargo Handling System	111/PT-22	2	211/DT-1 211/NT-5	2 3
057.25	Aircraft Doors	111/PT-22	2	211/DT-1 211/NT-5	2 3
057.26	Crew Seats and Loadmaster Scanner Restraint System (LSRS)	111/PT-22	2	211/DT-1 211/NT-5	2 3
057.27	Aircraft Management Unit (AMU)	111/PT-22	2	211/DT-1 211/NT-5	2 3
057.30	Visual Symbolology and Display System	111/PT-22	I	211/DT-1 211/NT-5	2 3
057.32	Electro-Optical Infrared (EO-IR) System	111/PT-22	2	211/DT-1 211/NT-5	2 3
057.33	Fire and Overheat Detection System	111/PT-22	2	211/DT-1 211/NT-5	2 3
058.0	Degraded Operations	111/PT-22	2	211/DT-1 211/NT-5	2 3
059.0	Cryptological System Operations	111/PT-22	2	211/DT-1 211/NT-5	2 3

300.0	Aircrew Flight Equipment	111/PT-22	2	211/DT-1 211/NT-5	2 3
301.0	Aircraft Configuration				
301.1	Addenda A Configurations	111/PT-22	2	211/DT-1 211/NT-5	2 3
301.2	Seat/Litter Configuration	111/PT-22	2	211/DT-1 211/NT-5	2 3
301.2.1	Seat/Litter Configuration: Aeromedical Evacuation	111/PT-22	2	211/DT-1 211/NT-5	2 3
302	Load Planning/Inspection				
302.1	Load Planning	111/PT-22	2	211/DT-1 211/NT-5	2 3
302.2	Cargo Inspection and Documentation	111/PT-22	2	211/DT-1 211/NT-5	2 3
303	On/Offloading Procedures				
303.1	Cargo Loading Preparation	111/PT-22	2	211/DT-1 211/NT-5	2 3
303.2	Palletized Loading/Offloading	111/PT-22	2	211/DT-1 211/NT-5	2 3
303.3	Vehicle/Rolling Stock Loading/Offloading	111/PT-22	2	211/DT-1 211/NT-5	2 3
303.4	Specific Cargo	111/PT-22	2	211/DT-1 211/NT-5	2 3
303.5	MFCB Programming and CNI-MU Weight and Balance Operations	111/PT-22	2	211/DT-1 211/NT-5	2 3
303.6	Materials Handling Equipment (MHE)	111/PT-22	2	211/DT-1 211/NT-5	2 3
304.0	Supervisory Abilities	111/PT-22	2	211/DT-1 211/NT-5	2 3
305.0	Tie Down/Restraint	111/PT-22	2	211/DT-1 211/NT-5	2 3
306.0	Winching Procedures	111/PT-22	2	211/DT-1 211/NT-5	2 3
307.0	Hazardous Material	111/PT-22	2	211/DT-1 211/NT-5	2 3
308	Aircraft Limitations				
308.1	Aircraft Operating Limitations	111/PT-22	2	211/DT-1 211/NT-5	2 3
308.2	Aircraft Loading Limitations	111/PT-22	2	211/DT-1 211/NT-5	2 3
308.2.1	Aircraft Loading Limitations: Palletized Cargo	111/PT-22	2	211/DT-1 211/NT-5	2 3
308.2.2	Aircraft Loading Limitations: Vehicles/Rolling Stock Cargo	111/PT-22	2	211/DT-1 211/NT-5	2 3
308.2.3	Aircraft Loading Limitations: Bulk Cargo	111/PT-22	2	211/DT-1 211/NT-5	2 3
308.3	Loading Aids/Limitations	111/PT-22	2	211/DT-1 211/NT-5	2 3

309.0	Passenger Handling	111/PT-22	2	211/DT-1 211/NT-5	2 3
310.0	Border Clearance	111/PT-22	2	211/DT-1 211/NT-5	2 3
311.0	Scanner Duties	111/PT-22	2	211/DT-1 211/NT-5	2 3
312.0	Engine Running On load/Offload	111/PT-22	2	211/DT-1 211/NT-5	2 3
313.0	Infiltration/Exfiltration Procedures	111/PT-22	2	211/DT-1 211/NT-5	2 3
314.0	Airdrop Rigging Procedures				
314.1	Airdrop Rigging Procedures	111/PT-22	2	211/DT-1 211/NT-5	2 3
314.1.1	Preparation/Rigging: Paratroop, Troop Door Static Line	111/PT-22	2	211/DT-1 211/NT-5	2 3
314.1.2.1	Preparation/Rigging: Paratroop, Ramp and Door (Static Line)	111/PT-22	2	211/DT-1 211/NT-5	2 3
314.1.2.2	Preparation/Rigging: Paratroop, Ramp and Door (Freefall)	111/PT-22	2	211/DT-1 211/NT-5	2 3
314.1.3	Preparation/Rigging: Heavy Equipment Airdrop (NTP/TP)	111/PT-22	2	211/DT-1 211/NT-5	2 3
314.1.4	Preparation/Rigging: CDS Airdrop	111/PT-22	2	211/DT-1 211/NT-5	2 3
314.1.5	Preparation/Rigging: CEP/CRRRC Airdrop	111/PT-22	2		
314.1.6	Preparation/Rigging: SATB Inspection	111/PT-22	2	211/DT-1 211/NT-5	2 3
314.1.7	Preparation/Rigging: CRL/RAMZ Airdrop	111/PT-22	2	211/DT-1 211/NT-5	2 3
314.1.11	Preparation/Rigging: Parabundle/Door Bundles Airdrop	111/PT-22	2	211/DT-1 211/NT-5	2 3
314.2	Pendulum Release System	111/PT-22	2	211/DT-1 211/NT-5	2 3
314.3	Static Line Retrievers	111/PT-22	2	211/DT-1 211/NT-5	2 3
314.4	Static Line Anchor Cable System	111/PT-22	2	211/DT-1 211/NT-5	2 3
314.5	CDS/LAPES Arming Switches	111/PT-22	2	211/DT-1 211/NT-5	2 3
314.6	Restraint Harness/Parachute	111/PT-22	2	211/DT-1 211/NT-5	2 3
315.0	Joint Airdrop Inspection	111/PT-22	2	211/DT-1 211/NT-5	2 3
316.0	Coordinated Task Briefing	111/PT-22	2	211/DT-1 211/NT-5	2 3
317.0	Airdrop Knowledge				
317.1	Airdrop Knowledge	111/PT-22	2	211/DT-1 211/NT-5	2 3
317.1.1	Heavy Equipment Airdrop	111/PT-22	2	211/DT-1 211/NT-5	2 3

317.1.2	CDS/CEP Airdrop	111/PT-22	2	211/DT-1 211/NT-5	2 3
317.1.3	Personnel Airdrop (High Altitude/Static Line) Ramp and Door Exit (CRL/RAMZ)	111/PT-22	2	211/DT-1 211/NT-5	I I
317.1.4	Personnel Airdrop (High Altitude/Static Line) Paratroop Door Exit (Door Bundle)	111/PT-22	2	211/DT-1 211/NT-5	I I
317.1.5	High Altitude Airdrop	111/PT-22	2		
317.2	Airdrop: Emergency Procedures	111/PT-22	2	211/DT-1 211/NT-5	2 3
317.2.1.1	Heavy Equipment: Extraction Malfunction	111/PT-22	2	211/DT-1 211/NT-5	2 3
317.2.1.2	Heavy Equipment: Loose Platform	111/PT-22	2	211/DT-1 211/NT-5	2 3
317.2.2	CDS/CEP/CRL/CRRC/LCLA: Gate Fails to Cut/Load Fails to Exit	111/PT-22	2	211/DT-1 211/NT-5	2 3
317.2.3.1	Personnel Airdrop: Troop Door Exit Malfunction	111/PT-22	2	211/DT-1 211/NT-5	I I
317.2.3.2	Personnel Airdrop: Ramp and Door Exit Malfunction	111/PT-22	2	211/DT-1 211/NT-5	I I
318.0	NVG Usage/Limitations				
318.1	NVG Preflight/Postflight	111/PT-22	2	211/DT-1 211/NT-5	2 3
318.2	NVG Usage/Limitations: Combat Offload/Reverse Taxi	111/PT-22	2	211/DT-1 211/NT-5	2 3
319.0	Combat Offload/Reverse Taxi	111/PT-22	2	211/DT-1 211/NT-5	2 3
501.0	Aircrew Scanning	111/PT-22	2	211/DT-1 211/NT-5	2 3
502.0	Abnormal Operations	111/PT-22	2	211/DT-1 211/NT-5	2 3
503.0	Combat Offload	111/PT-22	2	211/DT-1 211/NT-5	2 3
504.0	Aeromedical Evacuations	111/PT-22	2	211/DT-1 211/NT-5	2 3
505.0	Post Flight Duties	111/PT-22	2	211/DT-1 211/NT-5	2 3

**Note:**

1. The Maneuver Item is taught in both Initial Qualification and Mission Qualification to an RPL of “3”. During IQ training, the emphasis for the Maneuver Item during instruction focuses on basic aircraft operations IAW AFMAN 11-2MC-130J Volume 2 Basic Aircraft Qualification requirements. Since Initial Qualification only requires basic operational knowledge/performance, MQ provides additional knowledge/performance training in the context of tactical operations and mission employment. (i.e. a student may meet a 3 RPL for Area 30 – Flight Plan/Charts for local flights but is not a 3 RPL for downrange operations).

## Chapter 5 General Instructions

### Section A — Course Lesson Flow/Prerequisites

1. While lessons will normally be taught in the sequence outlined below, circumstances such as additional student training requirements, maintenance malfunctions, weather, support problems, training media availability, or unforeseen circumstances may arise which require schedule adjustments. However, lesson prerequisites **MUST** be met. If all prerequisites are accomplished, scheduling events on different training days does not constitute a syllabus deviation. All proposed sequence variances will be conducted in accordance with AETCI 36-2605, Volume 8. Departures beyond this caveat will require an approved syllabus waiver or deviation IAW Chapter 2, Section A. Additional information on training media substitutions can be found in Section D of this chapter.
2. This course flow is built for a 2x SMA Class.

<i>Lesson Number</i>	<i>Lesson Title</i>	<i>Prerequisite</i>	<i>Media</i>	<i>SMA</i>
<b>Day 1</b>		Hours	-	<b>5.5</b>
91/POC-2	Course Orientation		L/D	1.0
211/MSN-40	Air Force / MAJCOM Instructions	91/POC-2	L/D	1.0
111/POC-7.1	HC/MC-130J Mission Overview		CBT	0.5
111/MSN-25.10	Heavy Equipment Airdrop		CBT	1.0
111/MSN-25.11	EFTC Extraction System Operation		CBT	0.5
111/NAV-15	EO/IR Operations		CBT	1.5
<b>Day 2</b>		Hours		<b>7.0</b>
111/MSN-25.2	Personnel Airdrop Procedures		CBT	1.5
111/MSN-4.10	Personnel Emergency Procedures		CBT	1.5
211/MSN-25	Airdrop Procedures/Emergency Procedures		CBT	3.0
111/MSN-4.11	CDS / CRL / CRRC Malfunction Emergency Procedures		CBT	1.0
<b>Day 3</b>		Hours		<b>7.5</b>
111/MSN-25.24	Intro to Airdrop Rigging	91/POC-1.1 111/MSN-25.10 111/MSN-25.11 111/MSN-25.2 111/MSN-4.10 211/MSN-25	L/D	1.5
111/MSN-25.18.1	CDS / CRL / CRRC Airdrop Procedures	111/MSN-4.11	L/D	1.0
111/MSN-25.15	Heavy Equipment Airdrop Procedures	111/MSN-25.10	L/D	1.0
111/MSN-3.7	Aircraft Preparation for Personnel	111/MSN-25.2	L/D	1.0
111/MSN-4.12	Equipment Airdrop Emergency Procedures	111/MSN-25.15 111/MSN-4.11	L/D	1.0
111/PT-13.1	Power Up Preflight	111/NAV-15	E-ICST	2.0
<b>Day 4</b>		Hours		<b>8.0</b>
111/MSN-25.13	Airdrop Programming	211/MSN-25	LMPT	1.0
111/SYS-16	Aerial Delivery System (ADS) Application	111/MSN-4.12	L/D	1.0
111/MSN-25.12.1	RECP Operation	111/MSN-4.12	LMPT	1.0

111/MSN-25.8	Aircraft Preparation for CDS/CRL/CRRC Airdrop (Demo)	111/MSN-25.18.1	LMFT	5.0
<b>Day 5</b>		Hours		<b>8.0</b>
111/LMFT-4.2	Aircraft Preparation for CDS/CRL/CRRC Airdrop	111/MSN-25.8	LMFT	5.0
211/GAT-21.1	Block 1 IGR	111/MSN-25-24 111/MSN-25.18.1 111/MSN-25.15 111/MSN-3.7 111/MSN-4.12 111/SYS-16	L/D	3.0
<b>Day 6</b>		Hours		<b>6.0</b>
111/SDT-3	Airdrop Procedures Trainer	211/GAT-21.1	WST	6.0
<b>Day 7</b>		Hours		<b>7.0</b>
111/PT-14.1	Power Up Preflight	111/SDT-3	E-ICST	2.0
111/MSN-25.14.1	Aircraft Preparation for Equipment Airdrop (Demo)	111/PT-14.1	LMFT	5.0
<b>Day 8</b>		Hours		<b>10.5</b>
211/EXM-1.2	Block 1 Exam	111/LMFT-4.2 211/GAT-21.1	L/D	2.0
111/PT-15.1	Power Up Preflight	111/MSN-25.14.1	E-ICST	2.0
211/MSN-18.5	MC-130J NVG Modified Contour TTPs	211/EXM-1.2	L/D	2.0
111/SYS-3.4	Tanker Air-to-Air (AAR) Systems Operations		CBT	1.0
111/MSN-6	Normal Tanker AAR Procedures		CBT	1.0
111/MSN-6.1	Tanker AAR Lost Contact/Malfunctions/EPs		CBT	1.0
111/MSN-6.3	Tanker AAR HSD Normal & Lost Contact Procedures		CBT	1.5
<b>Day 9</b>		Hours		<b>7.0</b>
71/LARS-1*	LARS	211/EXM-1.2 111/SYS-3.4 111/MSN-6 111/MSN-6.1 111/MSN-6.3	LARS	4.0
111/PT-16	Power Up Preflight (EO-IR)	111/PT-15.1 111/NAV-15	E-ICST	3.0
71/LARS-1*	LARS	211/EXM-1.2 111/SYS-3.4 111/MSN-6 111/MSN-6.1 111/MSN-6.3	LARS	4.0
<b>Day 10</b>		Hours		<b>7.5</b>
111/MSN-6.2	Tanker AAR Mission Seminar	71/LARS-1	L/D	2.5
211/CPT-15	Tanker AAR Systems Trainer	111/MSN-6.2	WST	5.0
<b>Day 11</b>		Hours		<b>6.5</b>
211/SDT-1	Tanker AAR Simulator	111/CPT-15	WST	5.5
111/MSN-35.5	Combat Offload Procedures		CBT	1.0
<b>Day 12</b>		Hours		<b>8.0</b>

111/PT-17	Power Up Preflight (Tanker/Receiver AAR Systems)	111/SDT-1	E-ICST	3.0
211/GAT-22.1	Block 2 IGR	111/PT-17	L/D	3.0
111/PT-17.1	Power-up Preflight	111/PT-17 211/GAT-22.1	E-ICST	2.0
<b>Day 13</b>		Hours		<b>11.5</b>
211/EXM-2.2	Blocks 1 & 2 Exam	211/GAT-22.1	L/D	2.0
111/MSN-17	Rapids Procedures	111/PT-17.1 211/EXM-2.2	L/D	1.0
211/MSN-35.7	MC-130J RAPIDS / FARP Seminar	111/MSN-17	L/D	2.0
211/LMFT-2	Cargo Winch Operations/RAPIDS Practical	211/EXM-2.2	LMFT	6.5
<b>Day 14</b>		Hours		<b>8.0</b>
111/PT-18	Power Up Preflight (All Systems)	211/EXM-2.2	E-ICST	3.0
111/SYS-23.4	Defensive Systems Overview	211/EXM-2.2	L/D	2.0
<b>Day 15</b>		Hours		<b>7.0</b>
91/INT-1.1	Intelligence Capabilities and Threats Training	91/POC-1.1 <sup>Note 1</sup>	L/D	4.0
211/GAT-32.1	Block 3 IGR	211/EXM-2.2	L/D	3.0
<b>Day 16</b>		Hours		<b>7.0</b>
211/EXM-3.2	Blocks 1, 2, and 3 Exam	211/GAT-32.1	L/D	2.0
111/MSN-19.1	Tactics Seminar	211/EXM-3.2	L/D	3.0
91/VT-20*	Visual Threat Recognition and Avoidance Trainer	111/MSN-19.1	VTRAT	2.0
91/VT-20*	Visual Threat Recognition and Avoidance Trainer	111/MSN-19.1	VTRAT	2.0
<b>Day 17</b>		Hours		<b>5.0</b>
111/PT-19	Aircraft Preflight with Load/Rig I	211/EXM-2.2	eFuT	5.0
<b>Day 18</b>		Hours		<b>7.0</b>
211/PT-21	Aircraft Preflight with Load/Rig III	111/PT-19	EFUT	5.0
211/MSN-2.29.2	SNT-5 Mission Planning	71/MSN-28 <sup>Note 1</sup> 91/VT-20	L/D	2.0
<b>Day 19</b>		Hours		<b>8.0</b>
111/PT-22*	Aircraft Preflight with Load/Rig IV	111/PT-21	EFUT	5.0
211/GAT-42.1	Block 4 IGR	111/PT-22	L/D	3.0
111/PT-22*	Aircraft Preflight with Load/Rig IV	111/PT-21	EFUT	5.0
<b>Day 20</b>		Hours		<b>7.0</b>
211/EXM-4.2	Blocks 1, 2, 3, and 4 Exam	211/GAT-42.1	L/D	2.0
211/EXM-8/L	MC-130J Loadmaster End of Phase Examination	211/EXM-4.2	CBT	4.0
91/CRTQ-1	Academic End of Phase Critique	211/EXM-8/P 211/EXM-8/W	CBT	1.0
<b>Day 21</b>		Hours		<b>8.0</b>
211/MSN-2.29.1	SNT-5 Mission Brief	111/MSN-2.29.2	L/D	1.0
91/POC-99	Academic Graduation	SNT-5	L/D	1.0
211/SNT-5	SNT-5	111/MSN-2.29.1	WST	6.0

<b>Day 22</b>		Hours		<b>9.0</b>
91/OGV-1	OGV Testing (Qual/MSN Test)	211/EXM-8/L	FLGT	8.0
91/CRTQ-1	Critique	211/EXM-8/L	CBT	1.0
<b>Day 23</b>		Hours		<b>7.0</b>
111/GT-1	Ground Training 1	211/EXM-8/L	FLGT	3.0
211/MSN-2.39	Airland-1 Mission Planning	111/GAT-1	FLGT	4.0
<b>Day 24</b>		Hours		<b>11.0</b>
211/AL-1	Airland-1	211/MSN-2.39	ACF	11.0
<b>Day 25</b>		Hours		<b>8.0</b>
111/GT-2	Ground Training 2	211/EXM-8/L	FLGT	4.0
211/MSN-2.39.2	Airland-2 Mission Planning	211/AL-1	FLGT	4.0
<b>Day 26</b>		Hours		<b>11.0</b>
211/AL-2	Airland-2	211/MSN-2.39.2 211/AL-1	ACF	11.0
<b>Day 27</b>		Hours		<b>8.0</b>
111/GT-3	Ground Training 3	211/EXM-8/L	FLGT	4.0
211/MSN-2.40	Day Tactical-1 Mission Planning	211/AL-4	FLGT	4.0
<b>Day 28</b>		Hours		<b>10.5</b>
211/DT-1	Day Tactical-1	211/AL-4 211/MSN-2.40	ACF	10.5
<b>Day 29</b>		Hours		<b>8.0</b>
111/GT-4	Ground Training 4	211/EXM-8/L	FLGT	4.0
211/MSN-2.42	Night Tactical-1 Mission Planning	211/DT-1	FLGT	4.0
<b>Day 30</b>		Hours		<b>10.5</b>
211/NT-1	Night Tactical-1	211/DT-1 211/MSN-2.42	ACF	10.5
<b>Day 31</b>		Hours		<b>8.0</b>
111/GT-5	Ground Training 5	211/EXM-8/L	FLGT	4.0
211/MSN-2.43	Night Tactical-2 Mission Planning	211/NT-1	FLGT	4.0
<b>Day 32</b>		Hours		<b>10.5</b>
211/NT-2	Night Tactical-2	211/NT-1 211/MSN-2.43	ACF	10.5
<b>Day 33</b>		Hours		<b>8.0</b>
211/MSN-2.44	Night Tactical-3 Mission Planning	211/NT-2	FLGT	4.0
211/PT-24	Rapids Static Trainer-1	211/NT-1	FLGT	4.0
<b>Day 34</b>		Hours		<b>10.5</b>
211/NT-3	Night Tactical-3	211/NT-2 211/MSN-2.44	ACF	10.5
211/RPD-1	RAPIDS-1	211/PT-24	ACF	-
<b>Day 35</b>		Hours		<b>4.0</b>
211/MSN-2.45	Night Tactical-4 Mission Planning	211/NT-3	FLGT	4.0
<b>Day 36</b>		Hours		<b>10.5</b>



211/NT-4	Night Tactical-4	211/NT-3 211/MSN-2.45	ACF	10.5
<b>Day 37</b>		Hours		<b>8.0</b>
211/MSN-2.46	Night Tactical-5 Mission Planning	211/NT-4	FLGT	4.0
<b>Day 38</b>		Hours		<b>10.5</b>
211/NT-5	Night Tactical-5	211/NT-4 211/MSN-2.46	ACF	10.5
<b>Day 39</b>		Hours		<b>8.0</b>
111/GT-7	Ground Training 7 (Qual/Mission EPE)	91/OGV-1 211/NT-5	FLGT	4.0
211/MSN-2.47	Qual/Mission Eval Mission Planning	91/OGV-1 211/NT-5	FLGT	4.0
<b>Day 40</b>		Hours		<b>10.5</b>
211/EV-1	Qual/Mission Evaluation	111/GT-7 211/MSN-2.47	ACF	10.5
<b>Day 41</b>		Hours		<b>3.0</b>
91/CRTQ-2	Critique	211/EV-1	CBT	1.0
91/POC-9	Graduation & Outprocessing	91/CRTQ-2	ADM	2.0

**Notes:**

1. Lesson not required for students who completed the MC/HC-130J Initial Qualification Course and are not programmed into the course flow.
  2. Unless noted with an \*, total hours are for both SMAs. Every effort will be made to alternate which SMA goes first, so the same SMA does not start first each time.
- \* - This event will be completed by each student. The event has been doubled in the course flow for scheduling purposes. When repeated event is scheduled twice on the same training day, the total time for the crew position reflects completing the event once per this requirement.

## Section B — Course Bibliography

### 1. Training Manuals and Technical Orders

- a. AFMAN 11-202 Volume 3, *General Flight Rules*
- b. AFI 11-202 Volume 3, *General Flight Rules, AETC Supplement*
- c. AFMAN 11-2MC-130J Volume 3, *MC-130J Operations Procedures*
- d. TO 1C-130(H)J-1, *Flight Manual MC-130J Aircraft*
- e. TO 1C-130(H)J-1-1, *Performance Data*
- f. TO 1C-130(H)J-1-4, *CNI-MS Operator Manual*
- g. TO 1C-130(H)J-CL-1, *Pilot/CSO Flight Crew Checklist*
- h. AFTTP 3-3.MC-130, *Combat Aircraft Fundamentals MC-130*
- i. ATP-3-3-4-2, *NATO STANDARD*

### 2. Student Guides/Handouts

- a. MC-130J Mission Qualification Course Student Guide
- b. 58 OG In-Flight Guide
- c. MC-130J Master Question File

### 3. Text References

- a. AETCI 36-2605 Volume 1, *Formal Flying Training Administration and Management*
- b. AETCI 36-2605 Volume 8, *Formal Flying Training Administration and Management— Special Operations/Personnel Recovery*
- c. AFMAN 11-290, *Cockpit and Crew Resource Management Training Program*
- d. Flight Crew Information Files (FCIF)

### 4. Forms or Electronic Equivalent Required

- a. AETC Form 73, *Aircrew Training Narrative*
- b. AETC Form 74, *Aircrew Training Sortie Maneuver Grades*
- c. AETC Form 75, *Aircrew Training Record - Ground/Flying Training Summary*
- d. AETC Form 75a, *Aircrew Training Record - Flying Training Summary (Continuation Sheet)*
- e. AF Form 1256, *Certificate of Training*

## Section C — Glossary

### 1. Definitions:

**Aircrew Training Device (ATD)** — Training devices used to prepare aircrew members for the actual performance of flight duties. ATDs include simulators, cockpit familiarization trainers (CFT), cockpit procedures trainers (CPT), unit training devices (UTD), operational flight trainers (OFT), part-task trainers (PTT), weapon system trainers (WST), desktop trainers.

**Break-In-Training (BIT)** — An extended delay between flying training sorties.

**Category** — Simulator and aircraft training of a particular type, such as qualification, transition, instruments, formation, low-level navigation.

**Commander's Awareness Program (CAP)** — A management system used to focus supervisory attention on students displaying substandard performance, specific tendencies, and potential to complete the program.

**Commander's Awareness Program Report** — A computer-generated report with the names of students placed on CAP for any reason, and the results of their last eight flying and academic lessons.

**Commander's Review Process** — An administrative process to determine whether a student is eliminated from or reinstated in training after they have failed to meet established training standards.

**Computer Based Training (CBT)** — Training in which computers are used for training development, delivery, evaluation, and training management. The management functions often include scheduling, lesson selection, score keeping, and quality of student responses.

**Course** — The entire program of academic training, ground training, simulators and aircraft conducted in all media during the programmed training days as directed in a syllabus.

**Course Duration** — The average period, including weekends, students are present for instruction. Intervening holiday periods (e.g., recess for Christmas) and incidental time spent before, or following conclusion of a course are not part of the scheduled course duration (JFTR, Volume 1 guidance).

**Course Training Standard (CTS)** — The performance, conditions and standards describing skills and proficiency levels required for students to complete a course.

**Crew Integrity Day** — Additional training days in the course flow caused by resource limitations but are required to accomplish training events at FTUs. These may occur because of aircraft or simulator availability, or crew specific training events.

**Demand Assigned Multiple Access (DAMA) SATCOM** — Provides half duplex plain or encrypted LOS/SAT Voice, LOS/SAT encrypted data, LOS plain or encrypted voice anti-jam, and VHF voice and data communications.

**Elimination Check (EC)** — A special check given to evaluate skill level and potential, and to determine if a student should either continue in training or be recommended for elimination.

**Extra Sorties (Add Sorties)** — Extra sorties are non-graded, direct support sorties generated under the following unique circumstances (BIT, Direct support sorties).

**Flying Evaluation Board (FEB)** — An AF administrative, fact-finding proceeding designed to ensure the quality control of the rated, Career Enlisted Aviator (CEA), non-rated officer, or non-CEA aircrew force. A board consists of officers (rated and non-rated) and NCOs who are qualified for aviation service and are serving in an active Aviation Service Code (ASC). Board members examine an aircrew member's professional qualification for aviation service, evaluate potential for use in future aviation duties, and make recommendations to higher authorities.

**Instructional Training** — Instruction provided enabling a student to assume the responsibilities of the crew position, and specifically to attain a satisfactory level of performance and knowledge.

**Maneuver Item File (MIF)** — A table listing all maneuvers, and the proficiency required in each maneuver, for all categories in a course.

**Medium** — The delivery vehicle for presenting instructional material or basic communication stimuli to a student to induce learning. Instructor-Based Training (IBT) lecture/discussion, slides, CBT, aircrew training devices, static aircraft and flying aircraft are media used in this course.

**Objectives** — Objectives precisely specify the *performance* of a specific behavior, the *condition* under which the behavior is accomplished, and the minimum *standard* of acceptable performance.

**Part-Task Trainer (PTT)** — Operator trainers allowing selected aspects of a task; fuel system operations, hydraulic system operations, radar operations, etc., to be practiced and a high degree of skill developed independently of other task elements.

**Proficiency Advancement (PA)** — Advancement based on a student's early and satisfactory achievement of unit objectives before the end of the unit.

**Required Proficiency Level (RPL)** — A numeric code indicating performance and knowledge level required in a given job element. Each task/job element for the course has an associated RPL.

**Situational Awareness** — Aware of environment in and around the aircraft, takes appropriate actions, and understands cause and effect of actions taken.

**Student Non-Progression (SNP) “X” sorties** — An “X” sortie/lesson (or Student non-progression) is used to document additional sorties/lessons beyond syllabus requirements in order to provide remedial training to bring the student’s performance up to RPL.

**Supervisory Feedback Capture Point** — The point where the flying training squadron commanders or their designated representatives evaluate whether the previous flying training organization adequately prepared a student for admission to follow-on/mission training.

**Training Categories** — The systems used to conduct the training (i.e., Academics, Ground Training, Aircrew Training Devices and Flying).

**Training Days** — The number of days that training events are planned to occur for a class (e.g., Academics, Ground Training, Aircrew Training Devices, Flying or Crew/Class Integrity days). Crew/Class Integrity Days are defined as additional training days in the course flow caused by resource limitations but are required to accomplish training events at FTUs. These may occur because of aircraft or simulator availability, or crew specific training events.

**Training Phases** — Subsets of training categories (i.e., contact, qualification, day tactical, air refueling, etc.).

**Visual Threat Recognition and Avoidance Trainer (VTRAT & VT)** — A specialized device used to provide visually-intensive, interactive training in recognition and avoidance of ground-based optically-directed/guided AAA and SAM threat systems.

**Weapon System Trainer (WST)** — An ATD to provide an artificial training or tactics environment where operators learn, develop, improve, and integrate mission skills with their crew position in a specific defense system.

**2. Unit Identifiers** — Unit identifiers consist of a 2 or 3-digit prefix, lesson type code, and suffix.

<b>Prefixes</b>			
<b>First Digit</b>		<b>Second Digit</b>	
1	UH-1N	0	<i>Reserved</i>
2	<i>Reserved</i>	1	Initial Qualification (IQ)
3	HH-60G	2	Aircraft Commander Upgrade/Requalification (MP/RQ)
4	MC-130P	3	Flight Instructor Preparatory (FIP) Course
5	MC-130H	4	Instructor Upgrade Qualification (UQ)
6	CV-22	5	Simulator Refresher (SR)
7	All fixed wing	6	Key Staff (KS) Course
8	All rotary-wing	6A	Senior Officers (SO)
9	All airframes	7	Aircrew Training Devices (ATD)
10	MC-130P/N	8	Systems Refresher (SYSR)
11	MC-130J & HC-130J	9	Instructor Training (IT)
20	MC-130J		
21	HC-130J		
22	AC/EC/HC/MC-130		
23	AC-130J		
<i>Example</i> — 31 designates an HH-60G Initial Qualification Lesson.			
<b>Lesson Type Codes</b>			
2FuT	Fuselage Trainer	LMFT	Loadmaster Fuselage Trainer
ACS	Aircraft Static	LMPT	Loadmaster Part Task Trainer
AGSS	Aerial Gunner Scanner Simulator	LS	Life Support
AIE	Alternate Insertion/Extraction	MSN	Mission Procedures
C	Contact	NAV	Navigation Systems
CAT	Combat Aircrew Training	NR	Night (NVG) Remote
CKS	Contact Key Staff	NRT	Night (NVG) Remote, Tactical
CMT	Cockpit Management Trainer	NT	Night (NVG) Tactical, NVG Air Refueling, or Night

			<b>Gunnery</b>
CPT	Cockpit Procedural Training	POC	Processing, Orientation, and Course Introduction
CR	Contact/Remote	PR	Personnel Recovery
CRM	Crew Resource Management	PT	Preflight Training
CRTQ	Critique	R	Remote
DT	Day Tactical	ROFT	Rotary Wing Operational Flight Trainer
DTE	Desktop Environment	SCR	Simulator Contact Ride
EFUT	Enhanced Fuselage Trainer	SDT	Simulator Day Tactical
E-ICST	"Enhanced-Integrated Cockpit Systems Trainer	SEM	Simulator Evasive Maneuvers
EV	Evaluation	SEV	Simulator Evaluation
EXM	Examinations	SEP	Simulator Emergency Procedures
FSO	Flight Medicine Inprocessing	SI	Simulator Instruments
GAT	General Aircrew Training	SNT	Simulator Night Tactical
GT	Ground Training	SR	Simulator Remote
HAR	Helicopter Air Refueling	SRS	Satellite Radio Station
HPT	Helicopter Procedural Trainer	SYS	Systems
IO	Instructor Observation	TI	Theater Indoctrination
INT	Intelligence	TAAR	Tilt Rotor Air Refueling
IT	Instruction Flight	WPT	Weapons Procedural Training
LFT	Live Fire Trainer	WST	Weapon System Trainer
<b>Suffixes</b>			
A	All crew positions	L	Loadmaster
C	Airborne Mission System Specialist	N	Navigator
E	Electronic Warfare Officer	P	Pilot
SMA	Special Mission Aviator	W	Combat Systems Officer
G	Gunner		

### 3. Acronym List

<i>Abbreviation or Acronym</i>	<i>Definition</i>
AAA	Anti-Aircraft Artillery
AAR	Air-to-Air Refueling
AC	Aircraft Commander
ACAWS	Advisory Caution and Warning System
ACAWS	Aircraft Caution, Advisory, and Warning System
ACE	Agile Combat Employment
ACF	Aircraft Flying
ACN	Aircraft Classification Number
ACS	Aircraft Static
AD	Active Duty
ADA	Air Defense Artillery
ADS	Aerial Delivery System
AETC	Air Education and Training Command
AFH	Air Force Handbook
AFI	Air Force Instruction
AFMAN	Air Force Manual
AFPAM	Air Force Pamphlet
AFTTP	Air Force Tactics, Techniques, and Procedures

AGE	Aircraft Ground Equipment
AGEP	Aircrew Graduate Evaluation Program
AGT	Academic Ground Training
AMU	Avionics Management Unit
AN/ARC	Airborne Navigation/Airborne Radio Communications
APN	Aircraft Procurement, Navy
APU	Auxiliary Power Unit
AR	Aerial Refueling
ASC	Aviation Service Code
ASR	Approach Surveillance Radar
ATD	Aircrew Training Device
AWE	Aircraft Warfare Electronics
BAQ	Basic Aircraft Qualification
BIT	Built-in-Test, Break in Training
BIU	Bus Interface Unit
CAI	Computer Aided Instruction
CAP	Commander's Awareness Program
CARP	Computed Air Release Point
CBT	Computer Based Training
CDS	Container Delivery System
CEA	Career Enlisted Aviator
CEP	Combat Expendable Platform
CNBP	Communications/Navigation/Breaker Panel
CNI-MS	Communication, Navigation, Identification-Management System
CNI-MU	Communication, Navigation, Identification-Management Unit
CNI-SP	Communication, Navigation, Identification-System Processor
COMSEC	Communications Security
CRL	Container Ramp Load
CRRC	Combat Raiding Rubber Craft
CSAR	Combat Search and Rescue
CSO	Combat Systems Officer
CTR	Contractor
CTS	Course Training Standards
CUI	Controlled Unclassified Information
DAMA	Demand Assigned Multiple Access
DISS	Defense Information System for Security
DZ	Drop Zone
EC	Elimination Check
EFTC	Extraction Force Transfer Coupling
E-ICST	Enhanced Integrated Cockpit Systems Trainer
EMCON	Emission Control

EO/IR	Electro-Optical / Infrared
ERO	Engine Running On/Off-load
EPE	Emergency Procedures Evaluation
ETA	Estimated Time-of-Arrival
ETCA	Education and Training Course Announcements
EVM	Evasive Maneuvers
EXFIL	Exfiltration
F/ODS	Fire/Overheat Detection System
FAA	Federal Aviation Administration
FARP	Forward Area Re-Fueling/Re-Arming Point
FCIF	Flight Crew Information File
FEB	Flight Evaluation Board
FLGT	Flightline Ground Training
FTU	Formal Training Unit
GTIMS	Graduate Training Integration Management System
HAAR	Helicopter Air-to-Air Refueling
HAHO	High Altitude High Opening
HALO	High Altitude Low Opening
HARP	High-Altitude Release Point
HERP	Hostile Environment Repair Procedures
HSD	High Speed Drogue
IA	Information Assurance
IAW	in accordance with
IFR	Instrument Flight Rules
IGR	Instructor Guided Review
ILS	Instrument Landing System
IMC	Instrument Meteorological Conditions
INFIL	Infiltration
IPRA	Integrated Precision Radar Approach
IR	Infrared
JMATS	C-130J Maintenance and Aircrew Training System
LAIRCM	Large Aircraft Infrared Countermeasures
LAPES	Low Altitude Parachute Extraction System
LCA	Low-Cost Low-Altitude
L/D	Lecture / Discussion
LL	Low-Level
LOC	Localizer
LOC/BC	Localizer/Back course
LOS	Line of Sight
LPCR	Low Power Color Radar
LSRS	Loadmaster Scanner Restraint System

LZ	Landing Zone
MC	Mission Computer
MFCD	Multi-Function Control Display
MHE	Materials Handling Equipment
MI	Maneuver Item
MIF	Maneuver Item File
MP	Medium Personnel
MPS	Mission Programing System
MQ	Mission Qualification
MRA	Mission Ready Airman
MSN	Mission
MTL	Master Task List
NATO	North Atlantic Treaty Organization
NAVAID	Navigational Aid
NDB	Non-Directional Beacon
NTP	Non-Tow-Plate
NVG	Night Vision Goggle
OG	Operations Group
OGV	Operations Group Standardization and Evaluation
OPR	Office of Primary Responsibility
OPSEC	Operational Security
P	Pilot
PA	Proficiency Advance
PAR	Precision Approach Radar
PF	Pilot Flying
PFPS	Portable Flight Planning System
PR	Personnel Recovery
RAMZ	Rigged Alternate Method Zodiac
RECP	Ramp Exit Control Panel
SACU	Situational Awareness Communications Upgrade
SAM	Surface-to-Air Missile
SATB	Standard Airdrop Training Bundle
SATCOM	Satellite Communications
SCA	Self-Contained Approach
SNP	Student non-progression
SOF	Special Operations
SPINS	Special Instructions
T.O.	Technical Order
TAAR	Tilt-Rotor Air-to-Air Refueling
TAC	Tactical Air Communications or Tactical
TACAN	Tactical Air Navigation



TEM	Threat and Error Management
TOA	Time of Arrival
TP	Tow-Plate
TRS	Training Squadron
TTP	Tactics, Techniques, and Procedures
UARRSI	Universal Aerial Refueling Receptacle Slipway Installation
VFR	Visual Flight Rules
VHF	Very High Frequency
VOR	VHF Omni-directional Range
VTRAT	Visual Threat Recognition Avoidance Trainer
WST	Weapons System Trainer

## Section D — Training Media Substitutions

**1. Training Media Substitutions** — While training will normally be taught in a syllabus directed training aid or device, it may be necessary to deviate from the syllabus due to additional student training requirements, maintenance malfunctions, weather, support problems, training media (device, WST, or aircraft) availability, or unforeseen circumstances without requiring a syllabus waiver.

<i><b>Primary Media</b></i>	<i><b>Alternate Media</b></i>				
	LMFT	E-ICST	EFUT	LMPTT	WST
LMFT			X		
E-ICST			X		X
EFUT	X				
LMPTT					
WST					
<p><i><b>Notes:</b></i></p> <ol style="list-style-type: none"> <li>1. Training record documentation is required when using an alternate training aid or device option.</li> <li>2. Any deviations from this table require 58 TRS HC/MC-130J Program Manager approval.</li> </ol>					

DEPARTMENT OF THE AIR FORCE  
Headquarters Air Education and Training Command  
Randolph AFB TX 78150-4325

Administrative Change 1  
AETC Syllabus MC-130J-SMA-MQ  
June 2024

Change AETC Syllabus MC-130J-P/CSO-MQ, April 2023, as follows:

1. Page-Insert Changes – A vertical bar (|) indicated new or revised material.

<b><i>Remove</i></b>	<b><i>Date</i></b>	<b><i>Insert</i></b>	<b><i>Date</i></b>
Cover	April 2024	Cover (AC-23-1)	June 2024
14-15	April 2024	14 (AC-14-1) – 15 (AC-15-1)	June 2024

2. Filing – After posting the Change, file this page at the end of syllabus.

//SIGNED//

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#### SUMMARY OF CHANGES:

1. Chapter 4: Section C, Paragraph 5 (Page 14): Nomenclature: 111/SNT-5 changed to 211/SNT-5.
2. Chapter 4, Section D, Paragraph 1 (Page 15): Updated milestones to read '2' to transition from Aircrew Training Devices Phase to Flightline Phase.
3. Next Planned Revision: June 2028.

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Pages: 1

Accessibility: A .pdf file is available on the "AETC Flying Training Special Publications" Web site.

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