

**BY ORDER OF THE SECRETARY OF THE AIR FORCE**                      **AFI 11-2C-17V3 CL-5**

**1 DECEMBER 1999**



*Flying Operations*

**C-17 PILOT AIRDROP BRIEFING GUIDES AND CHECKLISTS**

This checklist establishes procedures for the operation of C-17 aircraft employed by the Mobility Air Forces (MAF) to accomplish their worldwide missions.

This checklist complements AFI 11-2C-17V3, *C-17 Operations Procedures*, and is printed on standard 8½” x 11” bond paper then trimmed to a unique size (4 ½” x 11”) that will fit standard C-17 aircrew checklist binders. Units may request copy of this checklist printed on a water proof based media from the OPR. Printed copies are limited to aircrew for use in-flight and training purposes only.

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**AIRCRAFT COMMANDER'S AIRDROP BRIEFING**

**NOTE:** For airdrop missions, add these items to Aircraft Commander's Crew Briefing. Brief changes as necessary during the mission.

1. Position in Airdrop Formation
2. Objective and Time Over Target
3. Load Data (Description, Weight, Type of Chutes, FS Position, Load Markings, L/R fwd lock position checked)
4. Run-in to DZ
  - a) Pre-Slowdown Point
  - b) Initial Point
  - c) Slowdown
  - d) Preflight Time for Slowdown
5. Drop Zone Data
  - a) DZ Size
  - b) Location/Marking of PI and TE Centerline (As applicable)
  - c) PI Elevation and Highest Point on the Drop Zone
  - d) Usable DZ Length in Yards/Seconds
  - e) Location of ZM/BCN (If Applicable)
6. Release Point
  - a) Release Type (ADS Panel Operation, Airdrop Method used, Timer Requirements)
  - b) DZ Axis
  - c) Expected Drift
  - d) Desired Heading
  - e) Position of CARP/HARP
  - f) Drop Airspeed and Altitude (AGL & MSL)
7. Communication Procedures
  - a) Countdown to CARP
  - b) Use of the Word "GREEN"
  - c) Notification of "NO-DROP"
8. No-Drop Conditions
9. Airdrop Emergency Procedures
10. Racetrack Procedures (If Planned)
11. Escape and Post Drop Procedures
12. Return Route
13. Recovery
14. Additional Mission Requirements

## JUMPMaster BRIEFING

1. Route and Weather
2. Number of Jumpers
3. Profile Altitude (AGL) with Doors Open
4. Times:
  - a) Stations
  - b) Takeoff
  - c) En Route
  - d) Time Over Target
5. Loadmaster/Jumpmaster Coordination:
  - a) Visual and Verbal Signals
    - i) Time Warnings
    - ii) Winds
    - iii) No-Drop Notification
    - iv) Steering Adjustments for JM Directed Drops
  - b) Cabin Lighting & Jump Light Intensity
  - c) Raising of Troop Seats
  - d) Anchor Cables to be Used
  - e) Signal When Jumpers All Hooked Up
  - f) Troop Door Procedures
    - i) Oxygen Requirements
    - ii) Arming Time/Altitude for Automatic Rip Cord
    - iii) Door/Ramp Exit
6. Manifests, Weight & Balance
7. Hazardous Materials
8. Aircraft Configuration for Subsequent Sorties
9. Pilot/Jumpmaster Coordination:
  - a) Drop Zone Identification
  - b) Drop Altitude, Airspeed, Heading
  - c) Position of CARP/HARP
  - d) Racetracks and No-Drop Procedures
  - e) Escape
10. Emergency Procedures

**AIRCRAFT LIGHTING**

1. DAY:
  - a) Navigation Lights - ON
  - b) Anti-Collision Lights - ON
2. NIGHT:
  - a) Ground Operation
    - i) Navigation Lights - ON
    - ii) Anti-Collision Lights - ON
    - iii) Formation Lights - BRIGHT
    - iv) Cargo Compartment Lights - AS REQUIRED
  - b) Takeoff and En Route
    - i) Navigation Lights - ON
    - ii) Anti-Collision Lights - ON
    - iii) Formation Lights - BRIGHT
    - iv) Cargo Compartment Lights - AS REQUIRED
  - c) Landing
    - i) Navigation Lights - ON
    - ii) Anti-Collision Lights - ON
    - iii) Formation Lights - BRIGHT
    - iv) Cargo Compartment Lights - AS REQUIRED
    - v) Landing Lights - AS REQUIRED

### CABIN ALTITUDE CHECKLIST

Accomplish this checklist before exceeding a cabin altitude of 10,000 feet MSL. The "OXYGEN CHECK" step of the checklist will be accomplished at a cabin altitude of 10,000 and 15,000 feet. At a cabin altitude of 20,000 feet, this step will be accomplished every 15 minutes or with each 5,000 foot increase in altitude, whichever is first, and will be accomplished every 5 minutes above 30,000 feet. The PF initiates the Cabin Altitude Checklist.

1. "CREW, CABIN ALTITUDE CHECKLIST" (PF)  
"ACKNOWLEDGED" (PNF, LM)
2. Cabin Press Panel - SET (PNF)
3. Oxygen Check - "COMPLETE" (PNF, PF, LM)
  - a) Mask - Fitted
  - b) Regulator - On/Set
  - c) Mask/Hose - Connections
4. Loadmaster's Report - "CHECKLIST COMPLETE" (LM)
5. Cabin Altitude Checklist - "COMPLETE" (PNF)

**PRE-SLOWDOWN CHECKLIST**

1. "CREW, PRE-SLOWDOWN CHECKLIST" (PF)  
"ACKNOWLEDGED" (PNF, LM)
2. LM Panel Power - ON (PNF)
3. Door Arming Switch - AS REQUIRED (PNF)
4. Red Light - ON (PNF)
5. ADS Mode Switch - SET (PNF)
6. Cabin PRESS Panel - "SET" (PNF,PF)
7. NAV Solution - CHECKED (PNF)
8. BCN or ZM - SET (PNF)
9. DZ BARO - SET (PNF)
10. Flap Detent/Index - " \_\_\_\_\_ FLAP, \_\_\_\_\_ INDEX" (PNF)
11. Altimeters - "SET \_\_\_\_\_" (PNF, PF)
12. Airdrop Display - "SET" (PF)
13. "DROP GROUP SELECT" (PNF) (HE only) - "SET \_\_\_\_/" (LM)
14. Loadmaster's Report - "CHECK COMPLETED" (LM)
15. Pre-Slowdown Checklist - "COMPLETE" (PNF)

**SLOWDOWN CHECKLIST**

1. "CREW, SLOWDOWN CHECKLIST" (PF)  
"ACKNOWLEDGED" (PNF, LM)
2. Slats/Flaps - "SLATS EXTENDED, FLAPS 1/2, INDEX  
\_\_\_\_\_ " (PNF)
3. Thrust Rating - SET (PNF)
4. Doors - "CLEAR TO OPEN" (PNF)
5. RA/BA Switch - "SET" (PNF, PF)
6. AFCS Panel - "SET FOR AIRDROP" (PF)
7. ALT/XTRK - SET (PNF)
8. Doors - OPEN
9. ADS ARM Annunciator - ILLUMINATED (PNF)
10. Loadmaster's Report - "CHECK COMPLETED" (LM)
11. Final Flaps - "FLAPS SET \_\_\_\_\_" (PNF)
12. Slowdown Checklist - "COMPLETE" (PNF)

**RELEASE POINT CHECKLIST**

1. "STANDBY DROGUE" or "STANDBY READY LIGHT" (PNF)
2. Pilots ADS Panel - "DROGUE DEPLOYED" or "READY LIGHT ON" (PNF)
  - a) Ready/Drogue Switchlight - ACTIVATED (PNF)
  - b) RED LT Switchlight - EXTINGUISHED (PNF)
3. Status of Drogue (HE only) - "DROGUE OK" or "MALFUNCTION (LM)
4. "FIVE, FOUR, THREE, TWO, ONE, GREEN LIGHT"-(MC/PNF)
5. Green Light - On (PNF)
  - a) AUTO Mode Airdrop - Green Light Confirmed (PNF)
  - b) MANUAL Mode Airdrop - Green Light Activated (PNF)
6. Airdrop Condition-"LOAD CLEAR", or "MALFUNCTION" (LM)
7. Red Light - "RED LIGHT" - (MC/PNF)

**POST DROP CHECKLIST**

\* Asterisk items are re-accomplished for multiple personnel drops

1. \*RA/BA Switch - "SET" (PNF,PF)
2. \*SKE XTRK - SET (PNF)
3. \*NAV SEL SW/AFCS Panel - SET (PNF)
4. "RAMP AND DOORS CLOSED" (PNF) (As Required)
5. Air Deflector(s) - "CLOSED"(LM) (Personnel airdrops only)
6. Mission Computer - UPDATED (PNF)
  - a) Drop Complete (Wt/CG)
  - b) Next TOT - FIX
7. Loadmaster's HALO Safety Check - COMPLETE (As Required)
8. Cabin PRESS Panel - "SET" (PNF, PF)
9. Loadmaster's Report - "CHECK COMPLETED" (LM)
10. \*Slats/Flaps - "AS REQUIRED" (PF)
11. Thrust Rating - SET (PNF)
12. Air Drop Display - "SET" (PF)
13. DOOR SYS ARM Switchlight - OFF (PNF)
14. LM Panel Power - SET (PNF)
15. Red Light - OFF (PNF)
16. \*"POST DROP CHECKLIST COMPLETE" (PNF)