BY ORDER OF THE   *AFI 11-2C-5V3 CL-3*
SECRETARY OF THE AIR FORCE   *1 JANUARY 2000*

Flying Operations

AIRDROP OPERATIONS

Abbreviated Crew Airdrop Checklists

This checklist establishes procedures for the operation of C-5 aircraft employed by Mobility Air Forces (MAF) to accomplish their worldwide missions.

This checklist complements AFI 11-2C-5V3, *C-5 Operations Procedures*, and is printed on standard 8 ½" x 11" bond paper then trimmed to a unique size 4 ½ " x 6 ½" that will fit the standard plastic C-5 aircrew checklist binders. Units may request copies of this checklist printed on a water proof-based media (in the size outlined) from the OPR. This product reduces weight and eliminates the need for plastic inserts. Limit water proof copies to aircrew only for use in-flight and training purposes.

PILOT/NAVIGATOR/LOADMASTER/
JUMPMASTER BRIEFING

1.   Route and weather
2.   Number of jumpers
3.   Profile altitude (AGL) with doors open

NOTE
Aircraft commander will advise the loadmaster when door open altitude will be below 800 feet AGL. Restraint harness must be worn below 800 feet AGL.

4.   TOT's
5.   Loadmaster- jumpmaster coordination:
    a. Visual and verbal signals
       (1) Time warnings
       (2) Winds
       (3) No-drop notification
       (4) Steering adjustments for JM-directed drops
    b. Cabin lighting
    c. Moving of troops to cargo compartment
    d. Anchor cables to be used
    e. Signal when all jumpers are hooked up
    f. Troop door procedures
       (1) Static line
       (2) Positioning/ejecting of door bundles
    g. Static line retrieval method
    h. Towed parachutist
       (1) Jumpmaster and safety actions
       (2) Loadmaster actions
    i. HALO/HAHO operations
       (1) Oxygen requirements
       (2) Arming time for automatic rip cord

    (3) Troop door/ramp exit
6.   Manifests
7.   Weight and balance
8.   Hazardous materials
9.   Configuration of aircraft for subsequent sorties

NAVIGATOR'S AIRDROP BRIEFING

1.   Time hack
2.   Type drop technique used
3.   Drop zone axis
4.   Desired heading
5.   Expected drift
6.   Position of carp/harp
7.   Indicated airspeed and altitude for drop
8.   AGL altitude for drop

Navigator Duties

1.   Briefings
2.   Flight plan
3.   CARP/HARP computation
4.   Check load and troops for weight & chute configuration
5.   Mark load
6.   Aircraft preflight
7.   Ground warnings
8.   Takeoff abort calls
9.   Course and ETA tolerances
10.   Airborne checklist sequence
11.   Slowdown
12.   Drop zone alignment
13.   Airdrop
14.   Post-drop procedures

AIRCRAFT COMMANDER'S AIRCREW BRIEFING

1.   Introduction of crewmembers
2.   Mission requirements:
    a. Purpose
    b. Call sign
    c. Times: stations, engine start, taxi, takeoff, & landing
    d. Fuel requirements
    e. Load and drop sequence
    f. Routing, checklist timing, and TOT's
    g. Transportation
    h. FCB, FCIF, and manual currency
3.   Special requirements:
    a. Forms
    b. Security
    c. Trip kits
    d. Navigation kits
    e. Authenticators
    f. Intelligence
    g. Debriefing
4.   Personal requirements:
    a. Proper clothing
    b. Personal equipment and parachutes
    c. Identification cards
    d. Dog tags
    e. Immunizations
    f. Passports
    g. Flashlights
    h. TDY orders
5.   Copilot duties:
    a. ADS operation
    b. Checklists
    c. Navigation and map reading
    d. INS operation

6. Navigator duties:
   a. Checklists and advisories
   b. Radar operation
   c. CARP and HARP briefing
7. Flight engineer duties:
   a. Performance data
   b. Pressurization procedures
8. Special radio procedures:
   a. Interphone and radio discipline
   b. Aborted takeoff
   c. Countdown to CARP/HARP
   d. Notification of "no-drop"
   e. Use of the word "green"
9. Emergency procedures:
   a. Ditching
   b. Ground evacuation
   c. Emergency bailout
   d. Towed parachutist/equipment malfunction

PERSONNEL AIRDROP CHECKLISTS

Crew Airdrop Checklist

Prior to initiating the pre-slowdown checklist, the flight engineer will provide the pilots with a completed AMC Form 250. The flight engineer reads all checklists, reading applicable items for type airdrop performed. For subsequent drops or routes, re-accomplish applicable items contained in appropriate checklist. Accomplish only asterisk (*) items if additional personnel racetrack passes are to be accomplished.

Personnel Pre-Slowdown Checklist

1. "PRE-SLOWDOWN CHECKLIST" (N), "PERSONNEL PROCEDURES" (P), "ACKNOWLEDGED" (LM 1, E)
2. Jump Signal Caution Light Switch - "ON" (S)
3. Paratroop Air Deflector Switch - "ARMED" (CP)
4. Landing Gear Warning Horn C/B - "OPEN" (S)
5. Command Markers - "SET" (CP, P, E)
6. Depressurization - "COMPLETED" (E)
7. Slowdown, Drop Zone, and Escape - "REVIEWED" (CP, P, N)
8. Pre-Slowdown Checklist - "COMPLETED" (LM 1, E)

*Personnel Slowdown Checklist

1. "SLOWDOWN CHECKLIST" (CP), "ACKNOWLEDGED" (LM 1, E)
2. Floor Heat and Air Conditioning Master Switches - OFF
3. Paratroop Doors - "CLEARED TO OPEN" (P) "OPEN" (LM 1)
4. Floor Heat and Air Conditioning Master Switches - AS REQUIRED
5. Slowdown Checklist - "COMPLETED" (LM 1, E)

*Personnel One-Minute Advisory

1. "CREW, ONE-MINUTE ADVISORY" (N), "ACKNOWLEDGED" (LM 1)

*Personnel CARP Checklist

1. "TEN SECONDS" (N)
2. "GREEN LIGHT" (N), Jump Signal Light Switch - ON (S)
3. "RED LIGHT" (N), Jump Signal Light Switch - OFF (S)

*Personnel Post-Drop Checklist

*1. "POST-DROP CHECKLIST" (CP), "ACKNOWLEDGED" (LM 1, E)
*2. Floor Heat and Air Conditioning Master Switches - OFF
*3. Paratroop Doors - "AS REQUIRED" (LM 1)
4. Flaps and Slats - "UP/RETRACTED" (CP)
5. Paratroop Air Deflector Switch - "SAFE" (CP
6. Jump Signal Caution Light Switch - "OFF" (S)
7. Landing Gear Warning Horn C/B - "CLOSED" (S)
*8. Floor Heat and Air Conditioning Master Switches - ON
9. Pressurization - "AS REQUIRED" (P)
*10. Post-Drop Checklist - "COMPLETED" (LM 1, E)

EQUIPMENT AIRDROP CHECKLISTS

Equipment Pre-Slowdown Checklist

1. "PRE-SLOWDOWN CHECKLIST" (N) "HEAVY EQUIPMENT PROCEDURES" (P), "ACKNOWLEDGED" (LM 3, 2, 1, E)
2. Floor Heat and Air Conditioning Master Switches - OFF
3. Jump Signal Caution Light Switch - "ON" (S)
4. Landing Gear Warning Horn C/B - "OPEN" (S)
5. Command Markers - "SET" (CP, P, E)
6. Aft Cargo Door Switch - "ADS READY" (CP)

7. Slowdown, Drop Zone, and Escape - "REVIEWED"
    (CP, P, N)
8. Depressurization - "COMPLETED" (E)
9. Pressure Door-"CLEARED TO OPEN" (P),"OPEN"
    (LM1)
10. Floor Heat & Air Conditioning Master Switches-AS
REQUIRED
11. Pre-Slowdown Checklist - "COMPLETED" (LM 3, 2, 1, E)

Equipment Slowdown Checklist

1. "SLOWDOWN CHECKLIST" (CP), "ACKNOWLEDGED"
(LM 3, 2, 1, E)
2. Aft Doors - "CLEARED TO OPEN" (P), "OPEN" (LM 1)
3. Slowdown Checklist - "COMPLETED" (LM 3, 2, 1, E)

Equipment One-Minute Advisory

1. "CREW, ONE-MINUTE ADVISORY" (N),
    "ACKNOWLEDGED" (LM 3, 2, 1)

Equipment CARP Checklist

1. "TEN SECONDS" (N), ADS Chute Arming
    Switch - ARMED (S)
2. "GREEN LIGHT" (N), Jump Signal Light and ADS
    Chute Release Switches - ON and RELEASE (S)
3. "RED LIGHT" (N) Jump Signal Light and ADS Chute
    Arming Switches - OFF/SAFE (S)

Equipment Post-Drop Checklist

1. "POST-DROP CHECKLIST" (CP),
"ACKNOWLEDGED" (LM 3, 2, 1, E)
2. Floor Heat and Air Conditioning Master Switches - OFF
3. Center Door and Ramp - "CLOSED" (LM 1)
4. Flaps and Slats - "AS REQUIRED" (CP)
5. Landing Gear Warning Horn C/B - "CLOSED" (S)
6. Pressure Door - "CLOSED AND LOCKED" (LM 1)
7. Aft Cargo Doors Switch - "SAFE" (CP)
8. Jump Signal Caution Light Switch - "OFF" (S)
9. Floor Heat and Air Conditioning Master Switches - ON
10. Pressurization - "AS REQUIRED" (P)
11. Post-Drop Checklist - "COMPLETED" (LM 3, 2, 1, E)

HEP COMBINATION AIRDROP CHECKLIST

HEP Combo Pre-Slowdown Checklist

1. "PRE-SLOWDOWN CHECKLIST" (N), "HEP COMBO
   PROCEDURES" (P), "ACKNOWLEDGED"
   (LM 3, 2, 1, E)
2. Floor Heat and Air Conditioning Master Switches - OFF
3. Jump Signal Caution Light Switch - "ON" (S)
4. Landing Gear Warning Horn C/B - "OPEN" (S)
5. Paratroop Air Deflector Switch - "ARMED" (CP)
6. Aft Cargo Doors Switch - "ADS READY" (CP)
7. Command Markers - "SET" (CP, P, E)
8. Slowdown, Drop Zone, and Escape - "REVIEWED"
   (CP, P, N)
9. Depressurization - "COMPLETED" (E)
10. Pressure door - "CLEARED TO OPEN" (P),
   "OPEN" (LM 1)

11. Floor Heat and Air Conditioning Master Switches - AS REQUIRED
12. Pre-Slowdown Checklist - "COMPLETED" (LM 3, 2, 1, E)

HEP Combo Slowdown Checklist

1. "SLOWDOWN CHECKLIST" (CP), "ACKNOWLEDGED" (LM 3, 2, 1, E)
2. Aft Doors - "CLEARED TO OPEN" (P), "OPEN" (LM 1)
3. Slowdown Checklist - "COMPLETED" (LM 3, 2, 1, E)

HEP Combo One-Minute Advisory

1. "CREW, ONE-MINUTE ADVISORY" (N), "ACKNOWLEDGED" (LM 3, 2, 1)

HEP Combo CARP Checklist

1. "TEN SECONDS" (N), ADS Chute Arming Switch - ARMED (S)
2. "GREEN LIGHT" (N), Jump Signal Light and ADS Chute Release Switches - ON and RELEASE (S)
3. "RED LIGHT" (N), Jump Signal Light and ADS Chute Arming Switches - OFF and SAFE (S)
4. Center Door and Ramp - "CLOSED" (LM 1)
5. Command Markers - "RESET" (CP, P, E)
6. Loadmasters - "IN POSITION" (LM 1)
7. Flaps and Slats - "80% and EXTENDED" (CP)
8. Floor Heat and Air Conditioning Master Switches - OFF
9. Paratroop Doors - "CLEARED TO OPEN" (P) "OPEN" (LM 1)
10. Reconfiguration for Personnel Airdrop - "COMPLETED" (LM 1)

11. "PERSONNEL AIRDROP ONE-MINUTE
ADVISORY" (N), "ACKNOWLEDGED" (LM 1)
12. "TEN SECONDS" (N) (Renumber the following steps)
13. "GREEN LIGHT" (N), Jump Signal Light
   Switch - ON (S)
14. "RED LIGHT" (N), Jump Signal Light
   Switch - OFF (S)

NOTE

   If personnel racetracks are to be accomplished,
   complete the following step:

15. Paratroop Doors - "AS REQUIRED"

NOTE
Return to CARP checklist, step 7.

HEP Combo Post-Drop Checklist

1. "POST-DROP CHECKLIST" (CP),
   "ACKNOWLEDGED" (LM 3, 2, 1, E)
2. Floor Heat and Air Conditioning Master
   Switches - OFF (E)
3. Paratroop Doors - "CLOSED" (LM 1)
4. Flaps and Slats - "UP/RETRACTED" (CP)
5. Landing Gear Warning Horn C/B - "CLOSED" (S)
6. Pressure Door - "CLOSED AND LOCKED" (LM 1)
7. Aft Cargo Doors Switch - "SAFE" (CP)
8. Paratroop Air Deflector Switch - "SAFE" (CP)
9. Jump Signal Caution Light Switch - "OFF" (S)
10. Floor Heat and Air Conditioning Master
   Switches - ON
11. Pressurization - "AS REQUIRED" (P)

12.   Post-Drop Checklist - "COMPLETED" (LM 3, 2, 1, E)

TOWPLATE AIRDROP CHECKLISTS

Towplate Pre-Slowdown Checklist

1. "PRE-SLOWDOWN CHECKLIST" (N), "TOWPLATE
    PROCEDURES" (P), "ACKNOWLEDGED" (LM3,2,1,E)
2. Floor Heat and Air Conditioning Master
    Switches - OFF
3. Landing Gear Warning Horn C/B - "OPEN" (S)
4. Command Markers - "SET" (CP, P, E)
5. Aft Cargo Doors Switch - "ADS READY" (CP)
6. Slowdown, Drop Zone, and Escape - "REVIEWED"
    (CP, P, N)
7. Depressurization - "COMPLETED" (E)
8. Pressure Door - "CLEARED TO OPEN" (P), "OPEN"
    (LM 1)
9. Floor Heat and Air Conditioning Master
    Switches - AS REQUIRED
10. Pre-Slowdown Checklist - "COMPLETED"
    (LM 3, 2, 1, E)

Towplate Slowdown Checklist

1. "SLOWDOWN CHECKLIST" (CP), "ACKNOWLEDGED"
    (LM 3, 2, 1, E)
2. Aft Doors - "CLEARED TO OPEN" (P), "OPEN" (LM 1)
3. Slowdown Checklist - "COMPLETED" (LM 3, 2, 1, E)

Towplate One-Minute Advisory

1. "CREW, ONE-MINUTE ADVISORY" (N)," ACKNOWLEDGED" (LM 3, 2, 1)

Towplate Drogue Chute Deployment

1. "TWENTY SECONDS" (N), ADS Chute Arming Switch - ARMED (S)
2. "DEPLOY DROGUE" (P), Jump Signal Caution Light and ADS Chute Release Switches - ON and RELEASE (S)
3. Drogue Status - "DROGUE OK" or "DROGUE MALFUNCTION" (LM 3)

Towplate CARP Checklist

1. "TEN SECONDS" (N)
2. "GREEN LIGHT" (N), Jump Signal Light Switch - ON (S)
3. "RED LIGHT" (N), Jump Signal Light and ADS Chute Arming Switches - OFF and SAFE (S)

Towplate Post-Drop Checklist

1. "POST-DROP CHECKLIST" (CP), "ACKNOWLEDGED" (LM 3, 2, 1, E)
2. Floor Heat & Air Conditioning Master Switches - OFF
3. Center Door and Ramp - "CLOSED" (LM 1)
4. Flaps and Slats - "AS REQUIRED" (CP)
5. Pressure Door - "CLOSED AND LOCKED" (LM 1)
6. Aft Cargo Doors Switch - "SAFE" (CP)
7. Jump Signal Caution Light Switch - "OFF" (S)
8. Landing Gear Warning Horn C/B - "CLOSED" (S)

9. Floor Heat and Air Conditioning Master Switches - ON
10. Pressurization - "AS REQUIRED" (P)
11. Post-Drop Checklist - "COMPLETED" (LM 3, 2, 1, E)

HALO/HAHO AIRDROP CHECKLISTS

*HALO/HAHO Airdrop Checklist

1. "HALO/HAHO AIRDROP CHECKLIST" (N),   "RAMP
    EXIT PROCEDURES" or "PARATROOP DOOR EXIT
    PROCEDURES" (P), "ACKNOWLEDGED" (CP, LM 2, 1, S, E)
2. Oxygen Mask - "ON, 100 PERCENT"
    (CP, P, N, LM 2, 1, S, E)
3. HALO/HAHO Airdrop Checklist - "COMPLETED" (E)

HALO/HAHO Pre-Slowdown Checklist

1. "PRE-SLOWDOWN CHECKLIST" (N),
    "ACKNOWLEDGED" (LM 2, 1, E)
2. Floor Heat and Air Conditioning Master Switches - OFF
3. Command Markers - "SET" (CP, P, E)
4. Aft Cargo Doors Switch - "ADS READY" (CP) (Ramp
Exit Only)
5. Paratroop Air Deflector Switch - "ARMED" (CP)
(Paratroop Door Exit Only)
6. Jump Signal Caution Light Switch - "ON" (S)
7. Landing Gear Warning Horn C/B - "OPEN" (S)
8. Oxygen Quantity - "CHECKED" (LM 2, 1, E)
9. Slowdown, Drop Zone, & Escape -"REVIEWED" (CP, P, N)
10. Depressurization - "COMPLETED" (E)

FOR PARATROOP DOOR EXIT
11. Pre-Slowdown Checklist - "COMPLETED"
  (LM 2, 1, E)

FOR RAMP EXIT
12. Pressure Door - "CLEAR TO OPEN" (P),
  "OPEN" (LM 1)
13. Floor Heat & Air Conditioning Master Switches –
  As Required
14. Pre-Slowdown Checklist-"COMPLETED" (LM 2, 1, E)

*HALO/HAHO Slowdown Checklist

1. "SLOWDOWN CHECKLIST" (CP),
"ACKNOWLEDGED" (LM 2, 1, E)

FOR RAMP EXIT
2. Aft Doors - "CLEARED TO OPEN" (P),
  "OPEN" (LM 1)
3. Slowdown Checklist - "COMPLETED" (LM 2, 1, E)

FOR PARATROOP DOOR EXIT
4. Floor Heat & Air Conditioning Master Switches - OFF
5. Troop Doors - "CLEARED TO OPEN" (P),
  "OPEN" (LM 1)
6. Floor Heat & Air Conditioning Master Switches –
AS REQUIRED
7. Slowdown Checklist - "COMPLETED" (LM 2, 1, E)

*HALO/HAHO One-Minute Advisory

1. "CREW, ONE-MINUTE ADVISORY" (N),
  "ACKNOWLEDGED" (LM 2, 1)

*HALO/HAHO HARP Checklist

1. "TEN SECONDS" (N)
2. "GREEN LIGHT" (N), Jump Signal Light Switch -
   ON (S)
3. "RED LIGHT" (N), Jump Signal Light Switch –
   OFF (S)

*HALO/HAHO Post-Drop Checklist

*1. "POST-DROP CHECKLIST" (CP),
   "ACKNOWLEDGED" (LM 2, 1, E)
*2. Floor Heat & Air Conditioning Master Switches - OFF

FOR PARATROOP DOOR EXIT
*3. Paratroop Doors - "AS REQUIRED" (LM 1)
*4. Flaps and Slats - "AS REQUIRED" (CP)
 5. Landing Gear Warning Horn C/B - "CLOSED"(S)
 6. Paratroop Air Deflector Switch - "SAFE" (CP)
 7. Jump Signal Caution Light Switch - "OFF" (S)
*8. Floor Heat & Air Conditioning Master Switches - ON
 9. Pressurization - "AS REQUIRED" (P)
*10. Post-Drop Checklist - "COMPLETED" (LM 2, 1, E)

FOR RAMP EXIT
 11. Center Door and Ramp - "CLOSED" (LM 1)
*12. Flaps and Slats - "AS REQUIRED" (CP)
 13. Pressure Door - "CLOSED AND LOCKED" (LM 1)
 14. Aft Cargo Doors Switch - "SAFE" (CP)
 15. Jump Signal Caution Light Switch - "OFF" (S)
 16. Floor Heat & Air Conditioning Master Switches - ON
*17. Landing Gear Warning Horn C/B - "CLOSED" (S)
 18. Pressurization - "AS REQUIRED" (P)
*19. Post-Drop Checklist - "COMPLETED" (LM 2, 1, E)

ADS DOOR CLOSING MANUAL OVERRIDE PROCEDURES

1. Place the Cargo Doors Aft Arming Switch to SAFE.

2. Remove the safety guard from **A** valve.

NOTE

If only the ramp and center door are to be closed so that paratroops can be dropped from the paratroop doors, accomplish steps 3 thru 6. Then after the paratroop doors are closed accomplish all other steps.

3. Depress and hold the following valves until the ramp is closed: **J, C, G,** and **A**.

4. Still holding **J, C, G**, and **A** valves, depress **H** valve. Once the ramp locks, release **G** valve first, then all other valves.

5. Depress and hold the following valves until the center door is closed: **E** and **A.**

6. Still holding **E** and **A,** depress **H** valve. When the center door locks, release all valves.

7. Disconnect the electrical connectors on both ramp actuators.

8. Close the relief valves on both ramp actuators by turning knobs clockwise.

9. Visually check that the pressure door upper hinges are overcenter and against the stops.

10. Depress and hold the following valves until the ramp unlocks: **J, C, G,** and **A**. Release **G** only.

11. Still holding **J, C,** and **A** depress **F** until the ramp moves down at least three inches. Release **F** only.

12. Install safety guard over **F** valve.

13. Still holding **J, C,** and **A** depress **L** to close the pressure door.

14. Still holding **J, C, L,** and **A** depress **G** to close ramp.

15. Still holding **J, C, L, G,** and **A** depress **H** vavle to lock the ramp. Once the ramp is locked release **G** then **J, L,** and **H.**

16. Still holding **C** and **A** depress **I** until the butt line 28 locks lock (about 1 minute). Once locked release **C, I,** and **A.**

17. Depress and hold the following valves to unlock the pressure door upper hinges and lock the pressure door to the ramp: **I, B,** and **A.** Once locked release all valves.

18. Install safety guard over **A** valve.

19. Remove and stow the safety guard from **F** valve.

20. Reconnect electrical connectors to ramp actuators.

21. Check ramp locks and install manual locking pins.

22. Close the side seals.

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