

**BY ORDER OF THE
SECRETARY OF THE AIR FORCE**

**AFI 11-2C-141V3 CL-7
1 JUNE 2000**



Flying Operations

C-141 SOLL II ABBREVIATED CHECKLISTS

This checklist establishes procedures for the operation of C-141 aircraft employed by Mobility Air Forces (MAF) to accomplish their worldwide missions.

This checklist complements AFI 11-2C-141V3, *C-141 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-141 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.

AIRCRAFT COMMANDERS AIRCREW BRIEFING.....	2
FARP BRIEFING GUIDE.....	4
SOLL II COMBAT ENTRY CHECKLIST.....	4
SOLL II PRE-SLOWDOWN CHECKLIST.....	7
SOLL II SLOWDOWN CHECKLIST.....	7
SOLL II EQUIPMENT CARP CHECKLIST.....	8
SOLL II JUMP/PILOT MANEUVER CHECKLIST.....	8
SOLL II PERSONNEL CARP CHECKLIST.....	8
SOLL II POST DROP CHECKLIST.....	9
SOLL II APPROACH CHECKLIST.....	9
SOLL II BEFORE LANDING CHECKLIST.....	10
SOLL II DEFENSIVE SYSTEMS AFTER-LANDING CHECKLIST.....	10
SOLL II STOP AND GO CHECKLIST.....	11
SOLL II BACKING CHECKLIST.....	12
SOLL II ENGINE SHUTDOWN CHECKLIST.....	13
SOLL II START AND GO CHECKLIST.....	14
SOLL II OFFLOAD CHECKLIST - COCKPIT CREW.....	16
SOLL II ONLOAD CHECKLIST - COCKPIT CREW.....	17
SOLL II COMBAT-EXIT CHECKLIST.....	18
DRIFTBACK CHECKLIST.....	19

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Certified by: HQ USAF/XOO (Maj Gen Michael S. Kudlacz)

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AIRCRAFT COMMANDER'S AIRCREW BRIEFING

1. Mission requirements:
 - a. Purpose
 - b. Call sign
 - c. Times, engine start and taxi, takeoff, and final landing.
 - e. Fuel requirements
 - f. Load or drop sequence
 - g. Ground operations (taxi, load, and offload)
 - h. Routing and TOT/TOA
 - i. Transportation
2. Special Requirements:
 - a. Interior and exterior lighting
 - b. Security
 - c. User requirements
 - d. Trip kits
 - e. Navigation kits
 - f. Intelligence
 - g. Weather
3. Personal requirements:
 - a. Personal equipment and parachutes
 - b. Identifying and sanitizing uniforms
 - c. Passports
 - d. Flashlights and chem lights
 - e. Night vision goggles
 - f. Helmets
 - g. Blue light kits and installation
4. Copilot duties:

- a. Checklists
- b. Navigation - Primary on instruments
- c. INS and FSAS operation
- 5. Jumpseat pilots duties:
 - a. Primary safety observer
 - b. Radio Operation
 - c. Drop zone alignment
 - d. Aircraft configuration
 - e. Required calls and checklist responses
- 6. Navigator duties
 - a. Briefings and checklists
 - b. Radar, INS, GPS operation and configuration
 - c. CARP/HARP briefing (as required)
 - d. ARA requirements
 - e. Slowdown
 - f. Drop/landing zone alignment
 - g. ADS operation
- 7. Flight Engineer duties:
 - a. Performance data
 - b. Pressurization procedures
- 8. Special procedures
 - a. Interphone and radio discipline
 - b. Ground evacuation procedures and code words
 - c. Aborted takeoff
 - d. Countdown to CARP
 - e. Notification of "No Drop"
 - f. Use of the word "Green"
 - g. Verbal/Reduced - Verbal Approaches

FARP BRIEFING GUIDE
(Normally briefed by Scanner)

1. Attendance - receivers, HRS, PLM, A/C, SPRM, HDPs.
2. Parking locations
3. Number of points, how numbered (from HRSs left to right) how marked (I/R chem light on water can)
4. Marshalling procedures
5. Communication frequencies and call signs
6. FARP: Hot or Cold
7. Escape Routes:
 - a. Tanker
 - b. Receiver
 - c. Personnel
8. Fuel offload
9. Open and roll-up times

SOLL II COMBAT-ENTRY CHECKLIST

1. "CREW, SOLL II COMBAT-ENTRY CHECKLIST" (P);
"ACKNOWLEDGED" (LM, E)
2. IRWR Power Button (**SOFI**) - "DEPRESSED" (RN)
3. RWR Power Button (**SOFI**) - "DEPRESSED" (RN)
4. Altimeters - "STATE SETTING" (CP, P, RN, E)
5. Crew Briefing -"COMPLETED" (P)
6. Seat Belt and Shoulder Hharness - "ADJUSTED" (CP, P)
7. Continuous Ignition - "ON" (P)

8. Radar Altimeter - "ON AND SET" (P)
9. Radar - "AS REQUIRED" (P, RN)
- *10. Command Markers - "SET" (CP, P)
11. Nav and Comm Radios - "AS REQUIRED" (CP)
12. Thrust Reverse Limiter - "STATE SETTING"
(E, CP)
13. IFF - "SET" (JS)
14. No. 3 Hydraulic System - ON
15. Door Arming Switch - "AS REQUIRED" (P)
- *16. Air Deflectors - "AS REQUIRED" (P)
- *17. Air Delivery Switch - "AS REQUIRED" (P)
18. Internal and External Lights - "SET"
(CP, P, RN, E, LM)
19. Floor Heat - OFF
20. Pressurization - AS REQUIRED
21. Engine Bleed Air Valves - AS REQUIRED
22. Fuel Panel - SET
23. Survival Equipment - "AS REQUIRED"
(CP, P, JS, RN, MN, E, S, LM).
24. Loose Items - "SECURED" (S, LM)
25. Pressure Door - "CLEAR TO OPEN" (P);
"OPEN" (S/LM)

DS-1 Aircraft Only

- 26. Programmer Controls - "SET" (RN)
- 27. CCU Controls - "SET" (RN)
- 28. MWS CI Power Button - "ON" (P)
- 29. Auto Dispense Control Switch - "AUTO" (P)

DS-2 Aircraft Only

- 30. CMDS CCU - "SET" (RN)
- 31. Remote Dispense Control - "ENABLED" (RN)
- 32. MWS CI Power Button - "ON" (P)
- 33. Auto Dispense Control Switch - "AUTO" (P)

DS-3 (SOFI) Aircraft Only

- 34. Programmer Controls - "SET" (RN)
- 35. CCU Controls - "SET" (RN)
- 36. Remote Dispense Control Panel - "SET, STATE SETTINGS" (RN)
- 37. IRWR Controls - "SET" (RN)

All Defensive Systems When Used

- 38. EMI Filter Pins - "REMOVED" (S/LM)
"ACKNOWLEDGED" (P)
- 39. Observers - AS REQUIRED (P, S, LM)
- *40. Red Light - "ON" (RN)
- 41. SOLL II COMBAT ENTRY CHECKLIST -
"COMPLETED" (E)

SOLL II PRE-SLOWDOWN CHECKLIST

1. "PRE-SLOWDOWN CHECKLIST" (RN) -
"ACKNOWLEDGED" (LM, E)
2. Depressurization - COMPLETED
3. Air Delivery Switch - "ZM" (P) (As Required)
4. Door Arming Switch - "ARMED" (P) (As Required)
5. Floor Heat and Air Conditioning Master Switches - OFF
6. No. 3 Hydraulic System - ON
7. Pressure Door - "CLEARED TO OPEN" (P); "OPEN" (LM)
8. Floor Heat and Air Conditioning Master Switches - ON
9. Altimeter - "STATE SETTING" (CP, P, RN, E)
10. Red Light - "ON" (RN); CHECKED (LM)
11. Pre Slowdown Checklist - "COMPLETED" (LM, E)

SOLL II SLOWDOWN CHECKLIST

1. "SLOWDOWN CHECKLIST" (CP);
"ACKNOWLEDGED" (LM, E)
2. Right Paratroop Door - "CLEARED TO OPEN" (P)
3. Cargo Doors - "CLEAR" (LM)
4. All Doors Switch - "OPEN" (P)
5. Cargo Doors - "OPEN" (LM)
6. Slowdown Checklist - "COMPLETED" (LM, E)

SOLL II EQUIPMENT CARP CHECKLIST

1. "1-MINUTE ADVISORY" (RN); "ACKNOWLEDGED" (LM)
2. "10-SECOND ADVISORY" (MN); "ADS SWITCH ARMED" (LM)
3. "GREEN LIGHT" (MN); Green Light Switch - ON (RN); Chute Release Switch - ON (RN);
"ALL CLEAR" or "MALFUNCTION" (LM)
4. "RED LIGHT" (RN); Green Light Switch - OFF (RN);
Checked (LM)

SOLL II JUMP/PILOT MANEUVER CHECKLIST

1. "JUMP/PILOT MANEUVER CHECKLIST" (P);
"ACKNOWLEDGED" (LM, E)
2. All Doors - "CLOSED" (LM)
3. Command Markers - "RESET" (CP, P)
4. Flaps - "STATE SETTING" (CP)
5. Reconfiguration - "COMPLETED" (LM)
6. Right Paratroop Door - "CLEARED TO OPEN" (P)
7. Jump/Pilot Maneuver Checklist - "COMPLETED" (LM, E)

SOLL II PERSONNEL CARP CHECKLIST

1. "1-MINUTE ADVISORY" (RN);
"ACKNOWLEDGED" (LM)
2. "10-SECOND ADVISORY" (MN);
Jumpmaster Alerted (LM)
3. "GREEN LIGHT" (MN); Green Light Switch - ON (RN);
"ALL CLEAR" or "MALFUNCTION" (LM)
4. "RED LIGHT" (MN); Green Light Switch - OFF (RN);
CHECKED (LM)

SOLL II POST-DROP CHECKLIST

1. "POST-DROP CHECKLIST" (CP);
"ACKNOWLEDGED" (LM, E)
2. Paratroop Door - "CLOSED" (LM)
3. Flaps - "FLAPS UP" (CP); "FLAPS ARE UP" (JS)
4. Door Arming Switch - "AS REQUIRED" (P)
5. Air Delivery Switch - "OFF" (P) (As Required)
6. Red Light Switch - "OFF" (RN)
7. Post Drop Check - "COMPLETED" (LM, E)

SOLL II APPROACH CHECKLIST

1. "SOLL II APPROACH CHECKLIST" (CP);
"ACKNOWLEDGED" (E)
2. FSAS Landing Data - "PROGRAMMED" (JS)
3. Landing Data - "STATE SETTING" (E, CP, P)
VAPP –
Go EPR –
VMFR –
VROT –
4. ARA Briefing - "COMPLETED" (RN)
5. Approach Briefing - "COMPLETED" (CP)
6. NAV Radios - "TUNED" (JS)
7. NAV Select Panels - "SET" (CP, P)
8. Radar Altimeter - "ON AND SET" (P)
9. Altimeter - "STATE SETTING" (CP, P, RN, E)
10. Cabin Report - "SECURED" (S/LM)
11. Approach Checklist - "COMPLETED" (E)

SOLL II BEFORE-LANDING CHECKLIST

1. Fuel panel – SET (E)
2. Landing gear warning horn cutout switch –
“NORMAL” (CP)
3. Landing gear – “DOWN” (CP), “DOWN AND
CENTERED” (JS)
4. Command markers – “SET” (CP, P)
5. Brake pressure and release light –
“NORMAL AND ON” (CP)
6. Spoilers – “CLOSED AND ARMED” (CP)
7. ADI select switch – “NORMAL” (CP, P) (SKE)

NOTE: Items 8 and 9 are only required when using defensive systems.

8. Auto dispense control switch – “AS REQUIRED” (P)
(DS-1 & DS-2 only)
9. IRWR Controls – “SET” (RN) (DS-3)
10. Before Landing Check – “COMPLETED” (E)

SOLL II Defensive Systems After Landing Check

1. CCU ARM/SAFE/TEST Switch (**DS-1/SOFI**) -
"SAFE" (RN)
2. Indicator/Arm Control Switch (**DS-2**) - "SAFE" (RN)
3. EMI Filter Pins (**All DS**) - "INSTALLED" (S/LM)
“ACKNOWLEDGED” (P)
4. Flare Counter - "CHECKED" (RN)
5. SOLL II Defensive Systems After Landing Check -
"COMPLETED" (E)

SOLL II STOP and GO CHECKLIST

1. "SOLL II STOP AND GO CHECKLIST" (P);
"ACKNOWLEDGED" (E)
 2. FSAS Takeoff Data - "PROGRAMMED" (JS)
 3. Takeoff Data - "STATE SETTING" (E, CP, P)
T/O EPR – _____
VROT – _____
VMFR – _____
STAB – _____
 4. Crew Briefing - "COMPLETED" (P)
 5. Altimeter - "STATE SETTING AND READING"
(CP, P, RN, E)
 6. Stabilizer, Rudder and Aileron Trim - "SET" (CP, JS)
 7. Door Arming Switch - "OFF" (P)
 8. Flaps - "SET FOR TAKEOFF" (CP, JS)
 9. Spoilers - "CLOSED AND ARMED" (CP, JS)
 - *10. CCU ARM/SAFE/TEST Switch (**DS-1 / SOFI**) -
"ARM" (RN)
 11. Indicator/Arm Control Switch (**DS-2**) - "ARM" (RN)
- * IF DS AFTER LANDING WAS USED ACCOMPLISH
ITEMS 10 THROUGH 13*
12. EMI Filter Pins (**All DS**) - "REMOVED" (S/LM)
"ACKNOWLEDGED" (P)
 13. Scanners Report - "READY FOR TAKEOFF"
 14. Wing and Engine Anti-Ice/Empannage De-Ice –
"AS REQUIRED" (P)
 15. Pitot Heat, Temp Probe De-Ice, Angle of Attack De-Ice -
"ON" (JS)
 16. Takeoff Light - "CHECKED" (P)
 17. Stop and Go Checklist - "COMPLETED" (E)

SOLL II BACKING CHECKLIST**NOTE:**

This procedure is limited to combat, contingency situations, and when necessary at isolated locations. This checklist is IAW TO 1C-141B-1 and will be used in lieu of an amplified backing checklist.

1. "SOLL II BACKING CHECKLIST" (P)
2. Scanner - "IN POSITION" (P)
3. Gross Weight - Checked (E)
4. Thrust Reverse Limiter - "SET" (CP)
5. APU - "OFF" (E)
6. Air Conditioning Master Switch - OFF (E)
7. Flaps - "UP" (CP)
8. Spoilers - "CLOSED AND DISARMED" (CP)
9. Ramp – “ ABOVE HORIZONTAL” (S)
10. Scanners Report - "CLEARED TO BACK-UP" (S)
11. Backing Checklist - "COMPLETED" (E)

CAUTION

Closely monitor EGT to prevent over-temperature. Limit application of reverse thrust above idle to 30 seconds maximum and then close thrust reversers for cooling. Allow 15 minutes for cooling between applications. If an engine stall or surge occurs, come out of reverse.

WARNING

Use forward thrust to stop. Rapid brake application may cause aircraft to rock on its tail.

SOLL II ENGINE SHUTDOWN CHECKLIST

1. Radar - "AS REQUIRED" (P, RN)
 2. Indicator/Arm Control Switch (**DS-2**) - "SAFE" (RN)
 3. CCU ARM/SAFE/TEST Switch (**DS-1 / SOFI**) - "SAFE" (RN)
 4. Wing and Engine Anti-Ice/Empennage De-Ice - "OFF" (JS)
 5. Pitot Heat, Temp Probe, Angle of Attack De-Ice - "OFF" (JS)
 6. Windshield Heat - "OFF" (JS)
 7. IFF - "AS REQUIRED" (JS)
 8. Yaw Damper - "OFF" (JS)
 9. Spoilers - "CLOSED AND DISARMED" (CP)
 10. Flaps - "SET FOR TAKEOFF" (CP)
- (Hold checklist here until final parking and offload is complete)
11. APU Door - OPEN
 12. APU Control Switch - START/RUN
 13. AUX Generator Control Switch - ON
 14. Autoload Disc Switches - OVERRIDE
 15. Parking Brake - "SET" (P)
 16. FLIR Power Switch (**SOFI**) - "OFF" (RN)
 17. EMI Filter Pins (**All DS**) - "INSTALLED" (S/LM)
"AKNOWLEDGED" (P)
 18. Power Select Switch - AUX
 19. Flare Quantity - "CHECKED" (RN)
 20. Brake Selector - "EMERGENCY" (CP)
 21. Fuel and Start Ignition - "STOP" (P)

14

AFI 11-2C-141V3 CL-7 1 JUNE 2000

22. Continuous Ignition - "OFF" (P)
23. INS 1 & 2 – “AS REQUIRED” (JS, RN)
24. Suction Boost Pumps - OFF
25. Fuel Boost Pumps - OFF
26. Main Generator Control Switches - OFF
27. SOLL II Engine Shutdown Checklist - "COMPLETE" (E)

SOLL II START and GO CHECKLIST

1. INS 1 and 2 - "NAV MODE" (JS, RN)
2. FSAS Takeoff Data - "PROGRAMMED" (JS)
3. Suction Boost Pump Switches - ON
4. Fuel Panel - SET FOR TAKEOFF
5. Bleed Load Flow Control Valve - OPEN
6. AC Master Switch - "ENG START" (E)
7. Throttles - "IDLE START" (P)
8. Clear to Start Engines - "ENGINES CLEAR TO START" (S);
"STARTING # ____" (P)
9. Power Select Switch - OFF
10. Autoload Disc. Switches - NORMAL
11. Continuous Ignition "AS REQUIRED" (JS)
12. Engine Anti-Ice - "AS REQUIRED" (JS)
13. FLIR Power Switch (**SOFI**) - "STBY" (RN)
14. Brake Selector Switch - "NORMAL" (CP)
15. Radios, Radar, and Radar Altimeter -
"AS REQUIRED" (CP, P, RN)
16. Yaw Damper – “CENTERED” (P), “ON” (CP)
(Hold checklist here until scanner’s “READY TO TAXI”)
17. Scanners Report - "READY TO TAXI" (S)

18. Indicator/Arm Control Switch (**DS-2**) - "ARM" (RN)
19. CCU ARM/SAFE/TEST Switch (**DS-1/SOFT**) - "ARM" (RN)
20. Takeoff Data - "STATE SETTING" (E, CP, P)
 - T/O EPR – _____
 - VROT – _____
 - VMFR – _____
 - STAB – _____
21. Command Markers - "SET" (CP, P)
22. Crew Briefing - "COMPLETED" (P)
23. APU Shutdown - OFF/SECURED
24. Cabin Pressurization - AS REQUIRED
25. Air Conditioning System - SET
26. Altimeter - "STATE SETTING AND READING" (CP, P, RN, E)
27. IFF - "AS REQUIRED" (JS)
28. Flaps - "SET FOR TAKEOFF" (CP, JS)
29. Spoilers - "CLOSED AND ARMED" (CP, JS)
30. Stabilizer, Rudder, and Aileron Trim - "SET" (CP, JS)
31. Takoff and Warning Lights – "CHECKED" (CP, P)
32. EMI Filter Pins (**All DS**) - "REMOVED" (S/LM)
"ACKNOWLEDGED" (P)
33. Scanners Report - "READY FOR TAKEOFF" (S)
34. APU Door Switch - CLOSED/OFF
35. Door Arming Switch - "OFF" (P)
36. Windshield Heat - "ON" (JS)
37. Pitot Heat, Temp Probe, and Angle of Attack De-Ice - "ON" (JS)
38. SOLL II Start and Go Checklist - "COMPLETE" (E)

SOLL II OFFLOAD CHECKLIST - COCKPIT CREW**1 HOUR**

1. "CREW, 1 HOUR WARNING" (RN);
"ACKNOWLEDGED" (LM/S)

30 MINUTE

1. "CREW, 30 MINUTE WARNING" (RN);
"ACKNOWLEDGED" (LM/S)

20 MINUTE

1. "CREW, 20 MINUTE WARNING" (RN);
"ACKNOWLEDGED" (LM/S)

10 MINUTE

1. "CREW, 10 MINUTE WARNING" (RN);
"ACKNOWLEDGED" (LM/S)

6 MINUTE

1. "CREW, 6 MINUTE WARNING" (RN);
"ACKNOWLEDGED" (S)
2. Pilot's PA/Interphone Switch - PA (P)

1 MINUTE

1. "CREW, 1 MINUTE WARNING" (RN);
"ACKNOWLEDGED" (S)

SOLL II ONLOAD CHECKLIST COCKPIT CREW

1 HOUR

1. "CREW, 1 HOUR WARNING" (RN);
"ACKNOWLEDGED" (LM/S)

30 MINUTE

1. "CREW, 30 MINUTE WARNING" (RN);
"ACKNOWLEDGED" (LM/S)

20 MINUTE

1. "CREW, 20 MINUTE WARNING" (RN);
"ACKNOWLEDGED" (LM/S)

10 MINUTE

1. "CREW, 10 MINUTE WARNING" (RN);
"ACKNOWLEDGED" (LM/S)

6 MINUTE

1. "CREW, 6 MINUTE WARNING" (RN);
"ACKNOWLEDGED" (S)
2. Pilot's PA/Interphone Switch - PA (P)

1 MINUTE

1. "CREW, 1 MINUTE WARNING" (RN);
"ACKNOWLEDGED" (S)

SOLL II COMBAT-EXIT CHECKLIST

1. "CREW, SOLL II COMBAT EXIT CHECKLIST" (P);
"ACKNOWLEDGED" (LM, E)
 2. Observers (If used)- "CLEARED TO REPOSITION" (P)
 3. Pressure Door - "CLOSED" (S/LM)
 - *4. Battle Damage Assessment -
"COMPLETED" (CP, P, RN, E, S, LM)
 - *5. Red Light - "AS REQUIRED" (RN)
 6. Fuel Panel - SET
 7. Engine Bleed Air Valves - AS REQUIRED
 8. Pressurization - "AS REQUIRED" (P, E)
 9. Floor Heat - ON
 10. No. 3 Hydraulic System - OFF
 11. Internal and External Lights - "SET" (CP, P, RN, E, LM)
 - *12. Air Delivery Switch - "AS REQUIRED" (P)
 - *13. Air Deflectors - "AS REQUIRED" (P)
 14. Door Arming Switch - "AS REQUIRED" (P)
 15. Radar Altimeter - "AS REQUIRED" (P)
 16. Continuous Ignition - "AS REQUIRED" (P)
 17. IFF - "SET" (CP)
 18. Nav and Comm Radios - "SET" (CP)
 19. EMI Filter Pins (All DS)- "INSTALLED" (S/LM)
"ACKNOWLEDGED" (P)
- DS-1 Only**
20. CCU Controls - "SET" (RN)
 21. Programmer Settings - "REMOVED" (RN)
 22. Auto Dispense Control Switch - "MANUAL" (P)
 23. MWS CI Power Button - "OFF" (P)

DS-2 Only

24. Indicator/Arm Control Switch - "SAFE" (RN)
25. CMDS CCU - "SET" (RN)
26. Remote Dispense Control - "DISABLED" (RN)
27. Auto Dispense Control Switch - "MANUAL" (P)
28. MWS CI Power Button - "OFF" (P)

DS-3/SOFI Only

29. CCU Controls - "SET" (RN)
30. Remote Dispense Control Panel - " SET" (RN)
31. RWR Power Button - "OFF" (P)
32. IRWR Controls - "SET" (RN)
33. Flare Counters (All DS)- "CHECKED" (RN)
34. SOLL II Combat Exit Checklist - "COMPLETED" (E)

DRIFTBACK CHECKLIST

1. "DRIFTBACK CHECKLIST" (P);
"ACKNOWLEDGED" (LM)
2. Command Markers - "SET" (CP, P)
3. Notify Crew - "PALLET READY TO DRIFT" (LM)

NOTE: Pilot will establish and maintain a 5-degree deck angle prior to starting driftback.

4. Driftback Clearance - "START DRIFTBACK" (P);
"ACKNOWLEDGED" (LM)
5. Driftback - "COMPLETED" (LM, P)

MARVIN R. ESMOND, Maj General, USAF
DCS, Air and Space Operations