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# GENERAL

## EXTERNAL SAFETY INSPECTION

1. Chocks.....A.R.
2. Flaps and Propeller Areas .....CLEAR

## INTERNAL SAFETY INSPECTION

1. Galley .....CHECK / OFF
2. WIPER selectors .....OFF
3. IFF panel .....OFF
4. Landing gear lever.....DOWN / LOCKED
5. Flaps lever .....A.R.
6. GUST LOCK lever ..... LOCKED
7. Weather radar.....OFF
8. Hydraulics pumps .....MAN / OFF

## POWER ON

1. Circuit breakers ..... CHECK
2. MISC Master Switches .....OFF
3. BAT & GEN master switches..... ON
4. Batteries .....ON / CHECK
5. [GPU (if available) .....ON / CHECK]
6. B/U BAT Pushbuttons..... CHECK
7. [NAV lights..... ON]

8. WARNING and CAUTION master lights .....  
..... PRESS TO CANCEL
9. Parking brake .....A.R.
10. [Hydraulic system ..... MAN / CHECK / A.R.]

## CARGO CABIN INSPECTION

1. Water heater & oven.....OFF
2. First aid kit (1)..... ON BOARD / CHECK
3. Oxygen bottles (2) .....CHECK / GREEN BAND
4. Oxygen masks (4) ..... CHECK
5. Toilet..... CLEAN / GOOD CONDITION
6. Cargo winch access .....CLOSED AND LATCHED
7. Oxygen bottles (2) .....CHECK / GREEN BAND
8. Oxygen masks (2) ..... CHECK
9. Therapeutic masks (2) ..... CHECK
10. Halon extinguisher.....CHECK / GREEN BAND
11. Water extinguisher.....CHECK / SECURED
12. Life vest ..... CHECK
13. Emergency door pin ..... REMOVE
14. Emergency door ..... CHECK / HANDLE SECURED
15. First aid kits (4) ..... ON BOARD / CHECK

16. Paratroop door pins (2)..... REMOVE
17. EXIT lights (4)..... CHECK
18. Aisle lamps (5)..... CHECK
19. Cargo ramp cylinder actuators.....A.R.
20. Attendant control panel.....A.R.
21. Ramp and cargo stored equipment CHECKED AND  
SECURED
22. ELT .....GOOD CONDITION

## **POWER OFF**

1. BAT BUS TIE Switch .....OFF
2. OXYGEN Panel .....OFF
3. Brake Temperature.....OFF
4. EXTERNAL LT panel.....OFF
5. FLT DECK LT panel .....OFF
6. Emergency Lights .....OFF
7. INTERNAL LT panel .....A.R.
8. Batteries .....OFF
9. MSTR ELECT (BAT and GEN) switches .....OFF

# GENERAL CHECKS FOR SPECIFIC CONFIGURATION

## TROOP/PARATROOP

1. Center row seats (if fitted).....PROPERLY INSTALLED
2. Seats and belts .....GOOD CONDITION
3. Life vests .....A.R.
4. Loose equipment ..... STOWED / SECURED

## MEDEVAC

1. Stretchers .....PROPERLY INSTALLED
2. Stretchers harnesses..... CHECK
3. Seats and belts .....GOOD CONDITION
4. Life vests .....A.R.
5. Electrical receptacles.....GOOD CONDITION / A.R.
6. Loose equipment ..... STOWED / SECURED

## CARGO

1. Straps/Chains ..... CHECK
2. Tiedown rings ..... CHECK
3. Loading/Offloading auxiliary equipment..... AVAILABLE
4. Loose equipment ..... STOWED / SECURED

# PRELOADING

## AM109 CHADS PREFLIGHT CHECKLIST

### WARNING

A complete preflight inspection of the CHADS must be accomplished prior to departure from homebase and/or before cargo airdrop. Failure to perform a complete operational checkout prior to using it could result in damage to the cargo, aircraft, and injury or death to personnel.

1. Airdrop (RH) control handle ..... LOCK

### CAUTION

The control handle should move smoothly from REL to LOCK position. If resistance is encountered, return the handle to the approximate vertical position and then back to LOCK. Do not attempt to force the handle to the LOCK position.

2. Logistic (LH) control handle ..... FULL LOCK

### CAUTION

The control handle should move smoothly from the RELEASE to the FULL LOCK position. Do not force the handle in any direction.

3. Airdrop (RH) siderails and locks ..... CHECKED

**CAUTION**

Do not kick the detent locks to check that they do not retract. Force exerted by doing so may alter adjustments of the assembly.

4. Logistic (LH) siderails and locks ..... CHECKED

**CAUTION**

Do not kick the detent locks to check that they do not retract. Force exerted by doing so may alter adjustments of the assembly.

5. Airdrop (RH) control handle .....REL  
 6. Airdrop (RH) control handle ..... LOCK / AD  
 7. Logistic (LH) control handle and locks .....  
 .....CHECKED FOR OPERATION  
 8. Logistic (LH) control handle ..... RELEASE  
 9. Ramp siderail assemblies..... CHECKED  
 10. Roller trays on ramp and cargo cabin ..... CHECKED  
 11. Pallet buffer stops ..... CHECKED  
 12. AM109 preflight checklist..... COMPLETE

**WINCH PRELOADING INSPECTION**

1. Power On Checklist ..... COMPLETE  
 2. Pulley assembly..... DEPLOY  
 3. Winch hook and cable .....REMOVE/CHECK  
 4. Winch oil level..... CHECKED  
 5. Wirings and electrical leads ..... CHECK



6. Control pendant ..... CONNECT SOCKET FR10
7. Aircraft ..... ENERGIZED
8. Winch ..... ENERGIZE
9. Winch cable ..... REEL OUT
10. Winch cable stop ..... CHECK POSITION
11. Full-in limit switch and light ..... CHECK
12. Full-out limit switch and light ..... CHECK
13. Cable on drum ..... CHECK
14. Winch cable ..... GOOD POSITION

<b>WARNING</b>
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No broken wires or kinks are allowed for the winch cable. If broken wires are detected, the winch must not be used.

<b>CAUTION</b>
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Kinks are sharp, permanent bends on the cable. Kinks on the cable may be caught in the cable guide and cause cable fouling. Cables with kinks may have internal broken wires that cannot be visually detected.

15. Control pendant .....CHECK OTHER SOCKETS / A.R.
16. Winch hook and cable .....A.R.
17. Power Off Checklist .....COMPLETE

<b>LOAD PLANNING</b>
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1. Dimensions, weights, nature of cargo to be airlifted .....  
..... OBTAINED
2. Dimensions and critical points ..... CHECKED

3. Desired aircraft balance condition..... DETERMINED
4. Aircraft limitations ..... CHECKED
5. Placement of hazardous materials..... DETERMINED
6. Loading sequence ..... DETERMINED
7. Cargo floor limitations ..... CHECKED
8. Resulting aircraft balance condition ..... COMPUTED
9. Final load distribution..... DETERMINED

## **GENERAL LOADING PREPARATION**

1. Systems, auxiliary equip., and aircraft config..... CHECKED  
All systems required for mission work properly; aircraft equipment and configuration fits mission requirements.
2. Cargo door and ramp..... OPEN  
Gather from cargo door all stowed equipment required for loading operation; install aft fuselage support legs and (if required) auxiliary loading ramps.
3. Cargo documentation ..... CHECKED
4. Engine, brakes, and tire pressure ..... CHECKED
5. Fueled items ..... CHECKED  
Fuel quantities in tanks of vehicles or wheeled cargo; items susceptible of containing trapped fuel (drained, purged, and vented); cans for carrying additional fuel must be of an airlift-approved type; reject items yielding strong fuel odors.
6. Fuel, battery, and oil caps..... TIGHTENED
7. Tanker-type vehicles..... CHECKED
8. Weight, dimensions, and CG ..... OBTAINED
9. Contact pressures..... COMPUTED

10. Shoring requirements ..... DETERMINED
11. Hazardous materials ..... CHECKED  
Check presence of dangerous materials, compatibility, packing, labeling, etc. are according to ICAO and other applicable regulations.
12. General cargo condition ..... CHECKED  
Package condition; soil contamination or pests; vehicle leakages.
13. Equip. on shipping dollies/additional cargo on vehicles .....  
..... CHECKED  
Engines, propellers, etc. firmly secured to shipping dolly; all cargo on or in vehicles does not exceed maximum allowable weight for airlift and properly restrained.
14. Chocks for main and nose gear ..... SEPARATE / CHECKED

# LOADING

## VEHICLE ONLOADING

1. General loading preparation checklist.....COMPLETE  
Paratroop doors closed; door handles folded; seats upright and secured; if required remove static line anchor cables and roller trays.
2. Auxiliary loading ramps aligned for axle width ..... CHECKED
3. Ventilation..... CHECKED  
To ensure ventilation in cargo cabin, open crew door, escape hatch, and flight deck windows, as required.
4. Loading crew duties.....ASSIGNED, PERSONNEL BRIEFED
5. Vehicles to be loaded/prime mover aligned, low gear, four-wheel drive ..... CHECKED
6. Vehicles on board, transmission and gear lever as required ..... ACCOMPLISHED

### NOTE

If an axle is placed on the aircraft ramp, ensure filler neck is above fuel tank with the ramp closed.

7. Brakes and ignition ..... SET / OFF

### WARNING

Vehicle driver must remain at controls while initial safety restraint is applied.

8. Tiedown ..... COMPUTED, INSTALLED, CHECKED
9. Vehicle onloading checklist.....COMPLETE
10. After Loading checklist.....COMPLETE

## GENERAL WINCHING PREPARATION

1. Power on checklist.....COMPLETE
2. Winch preloading inspection checklist .....COMPLETE
3. External winch inspection (only self winching)....COMPLETE
4. Loading crew duties.....ASIGNED, PERSONNEL BRIEFED
5. Cargo cabin and ramp area ..... CLEAR OF OBSTACLES
6. Steering yoke (if required) ..... INSTALLED
7. Aft fuselage support legs ..... INSTALLED
8. Approach shoring (if required) ..... IN PLACE
9. Auxiliary loading ramps.....INSTALLED
10. Chocks.....AVAILABLE

### WARNING

The use of chocks while the vehicle is on the inclined aircraft ramp is forbidden. Should the loading operation need to be stopped when the whole or part of the vehicle is on the ramp, temporarily secure the vehicle by means of tiedown devices.

## INTERNAL/EXTERNAL/SELF-WINCHING

### WARNING

The steering control device shall always be positioned aft. At no time personnel will be in the path of the load, between the cargo attaching point of the cable and the winch, or directly aft of the item being loaded.

1. General winching preparation checklist .....COMPLETE
2. Winching vehicle (external winching only) ..... POSITIONED

3. Vehicle to be loaded .....ALIGNED

Line up wheels of vehicle with auxiliary loading ramps. If required, re-adjust auxiliary loading ramps to proper axle width.

4. Snatch blocks (if required) ..... INSTALLED

5. Cable-to-load attachment ..... ACCOMPLISHED

For winching pallets or airdrop platforms, attach hook to a chain bridle rigged across two side rings.

<b>WARNING</b>
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Load attaching points must be substantial enough to withstand winch pull. If necessary, install a chain bridle on two load symmetrical points.

6. Cable slack removed (initial tension), snatch block, cable-to-load attachment, and cable path..... CHECKED

7. Vehicle/load on board, vehicle brake set, initial restraint installed ..... COMPLETE

8. Remaining items to be loaded ..... ON BOARD

9. Load restraint/locking of pallets ... COMPUTED, COMPLETE

10. Winching checklist ..... COMPLETE

11. After Loading checklist..... COMPLETE

# **PALLETIZED OR FLOOR CARGO UNLOADING**

## **WARNING**

Prior to beginning the unloading operation, install at least two pallet stops forward of the preplanned position for the front end of the first pallet.

1. Locks on both sides ..... RETRACTED (As required)
2. Aft fuselage support legs ..... INSTALLED (As required)
3. Cargo cabin and ramp area .....  
..... CLEAR AND UNOBSTRUCTED
4. Pallet inspection.....COMPLETE  
Condition; cargo-to-pallet restraint; position of side pallet D-rings.

## **CAUTION**

Lower or secure in vertical position side pallet D-rings not in use for restraint.

5. Loading crew duties...ASSIGNED, PERSONNEL, BRIEFED
6. Chocks..... IN PLACE
7. Loading vehicle..... APPROACHED AND ALIGNED
8. Loading vehicle brake.....SET
9. Auxiliary loading ramp .....INSTALLED (If required)

10. Pallet, platform, or load..... TRANSFERRED TO AIRCRAFT

**WARNING**

When transferring pallets, platforms, or vehicles to the cargo cabin, all personnel must keep aft of the item being loaded at all times. If at any time the load is required to be pulled, use extreme caution.

**CAUTION**

Do not use CHADS locks as reference pallet stops. Striking may result in damage to the CHADS.

11. Left side detents/restraint ..... LOCKED / INSTALLED

12. Remaining pallets, platforms, or load.....  
..... TRANSFERRED TO AIRCRAFT

13. CHADS right control handle..... FULL LOCKED

14. Positive engagement of locks on both sides..... CHECKED

Detents on both sides are visible. If pallets cannot be locked with the CHADS, use tiedown rings to secure pallets directly to cargo floor.

15. Ramp detent lock-flanges ..... ENGAGED

16. Pallet buffer stops ..... INSTALLED

**WARNING**

If personnel is to be carried forward of the pallets, install a pallet buffer stop on each restraint track (four stops).

17. Palletized/floor cargo loading checklist..... COMPLETE

18. After Loading checklist..... COMPLETE



# OFFLOADING

## OFFLOADING PALLETS, VEHICLES, GENERAL CARGO

1. Offloading crew duties ..... ASSIGNED, PERSONNEL, BRIEFED
2. Aft fuselage support legs ..... INSTALLED (As required)
3. Auxiliary loading ramps..... INSTALLED (As required)
4. Offloading vehicle or equipment ..... IN PLACE
5. Ventilation ..... A.R.
6. Vehicle/cargo ..... CHECKED (As required)
7. Cargo cabin and ramp area ..... CLEAR OF OBSTACLES
8. Winch cable ..... ATTACHED TO LOAD (As required)
9. Tiedowns ..... REMOVED
10. CHADS locks on both sides..... UNLOCKED (As required)
11. Offload ..... COMPLETE
12. Offload checklist ..... COMPLETE
13. New onload/After Loading checklist..... COMPLETE

## **EMBARKING/DISEMBARKING PERSONNEL**

1. Cargo cabin and ramp area ..... CLEAR OF OBSTACLES
2. Ramp and cargo door/crew door ..... OPEN
3. Personnel ..... ON BOARD / DISEMBARKED

### **WARNING**

Before starting personnel offboarding, check propellers have come to a complete stop.

4. Seat belts ..... A.R.
5. Passenger manifest ..... CHECKED
6. Passenger briefing ..... COMPLETE
7. Baggage/ loose equipment ..... SECURED/OFFLOADED
8. Personnel embarking/disembarking checklist ..... COMPLETE
9. After Loading checklist ..... COMPLETE

## AFTER LOADING

1. Ramp and cargo door .....CLOSED AND CHECKED
2. Telescopic bars..... CONNECTED (If required)
3. Loose equipment ..... STOWED, SECURED
4. Load condition .....CHECKED
5. Cargo tiedown..... COMPLETE, CHECKED  
 Check CHADS detent lock engagement and handle positions for all pallets. Check tiedowns for wheeled cargo and floor loads.
6. Cargo and passenger manifests ..... CHECKED
7. Weight and balance form .....COMPLETE

### WARNING

For computing and filling up aircraft weight and balance form after loading and immediately before takeoff, visually verify all load positions. Do not use weight and balance data obtained during load planning, since actual load positions may differ from those preplanned.

8. After Loading checklist.....COMPLETE

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