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SECRETARY OF THE AIR
FORCE**

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Flying Operations**



AFSOC BRIEFING GUIDES

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PREFLIGHT GUIDE

1. FCIF/read file
2. Orders (flight/TDY/country clearance)
3. Mission kit
4. Navigation/publication kit
5. Aircrew equipment
 - a. ID card/dog tags
 - b. Helmet/quick dons
 - c. Publications
 - d. Tool/airdrop kits
 - e. Personal survival equipment
 - f. Weapons
 - g. Passports/Visas
 - h. Shot records
6. NOTAMS
7. Weather
8. Foreign Clearance Guide/FLIP/Airfield Suitability Report
9. Diplomatic Clearance
10. Customs/Agriculture/Immigration
11. Fuel
12. Flight plan
13. Authenticators/IFF/Mode IV

14. Airport qualification
15. Hazardous cargo brief
16. Buffer zone/Safe passage
17. DD form 365-4/Manifest
18. Emergency survival equipment
 - a. Parachutes
 - b. LPUs
 - c. Life rafts
 - d. Survival vests
 - e. Aircraft/personal armor
19. Fleet service/lunches/water
20. Notes/training/unit requirements

AIRCREW MISSION BRIEFING

Items reviewed during the mission briefing/route study do not need to be briefed during flight unless they change. Once airborne, brief only items that have changes or are considered essential by the aircraft commander. Standard flight manual, AFI 11-2MC-130V3, and AFTTP 3-3.MC-130, *Combat Aircraft Fundamentals* procedures need not be briefed.

1. Roll call
2. Time hack
3. Mission classification
4. Weather
 - a. Departure, enroute, objective, recovery/alternates
 - b. Sun/moon rise/set, illumination, azimuth
 - c. Space weather products/effects on communications
5. Intelligence
6. Mission purpose
7. Mission description
 - a. Navigator Mission Briefing (see page 8)
 - b. EWO/Nav Threat Briefing (see page 10)
8. Participating units
 - a. Specific roles of units
9. Aircraft status and location
10. Load information
 - a. Configuration
 - b. Type load
 - c. Load time

11. Taxi and run-up procedures
12. Simulated emergencies
13. Ground/ In-flight emergencies
 - a. Emergency ground egress
 - b. Crash landing/ditching
14. Communications
 - a. Security
 - b. Authentication
 - c. IFF/SIF
15. Frequencies and call signs
 - a. Start/taxi/takeoff
 - b. En route
 - c. Objective areas
 - d. Recovery
 - e. Rescue (escape and evasion)
 - f. Command and control
 - g. Escorts
16. Mission Events
 - a. Airdrops (see page 17)
 - b. Receiver Air Refueling (see page 18)
 - c. Tanker Air Refueling (see page 19)
 - d. FARP (see page 22)
17. Mission summary
 - a. Stations time
 - b. Departure time
 - c. Aborts
 - d. Times for AC, Pilot/Loadmaster/Jumpmaster/Troop Commander briefings
 - e. After landing procedures

- f. Flying safety
- g. Questions
- h. Commander's comments

NAVIGATOR MISSION BRIEFING

1. Departure time
2. Latest takeoff time
3. Departure routing
4. Enroute
 - a. Altitude profile
 - b. ESA location
 - c. Speeds
 - d. Turn points
 - e. Mag course/MSA/leg distance/recommended alt
 - f. Route adjustments
 - g. Highest terrain/obstacles enroute
 - h. Special use airspace/no fly zones
 - i. Coast in/coast out points
 - j. Enroute weather penetration
 - k. Warning times and locations
 - l. Lead changes
3. Control points
 - a. Compression points/timing legs
 - b. IPs
 - c. Slowdown points
 - d. Exit points
 - e. Abort points
4. Control times (“push” times, RZ/ARCT, TOTs, TOAs)
5. Objective area (DZ/LZ)
 - a. Recognition
 - b. Size, shape, elevation
 - c. Type and weight of load

- d. Type of drop or approach
 - e. Inbound course and DZ/LZ axis
 - f. Drop/approach altitude
 - g. Drop/approach airspeed
 - h. Approach glideslope
 - i. Approach MDA
 - j. Forecast wind vector
 - k. CARP/HARP data
 - l. Duration of green light or anticipated ground time
 - m. Salvo area
 - n. Obstructions and surrounding terrain
 - o. Multiple passes (racetracks)
 - p. Escape/go around procedures
- 6. Destination recovery procedures
 - 7. Deconfliction of routes and target area
 - 8. Navigation equipment abort items
 - 9. Emergency landing fields

EWO/NAV THREAT BRIEFING

1. Type of threat/location
2. Associated weapons
3. Capabilities and limitations of threats
4. Emergency escape headings/threat reactions
 - a. EWO and navigator duties during threat engagements
5. Terminology used for crew coordination
6. DSO integration
7. Training sequence

AIRCRAFT COMMANDER'S BRIEFING

Departure briefing may be accomplished at this briefing, except for TOLD and departure instructions.

1. Mission update
 - a. Timeline
 - b. Sequence of events
 - c. Weather
 - d. Intelligence
2. Aircraft
 - a. Parking location
 - b. Maintenance status
 - c. Configuration
 - d. Fuel load
3. Cargo load/passengers/documentation
4. ACM/Parachutist briefing

**PILOT-LOADMASTER/JUMPMASTER/
TROOP COMMANDER BRIEFING**

1. Manifest/weight and balance forms
2. Type load, number/weight of bundles/personnel
3. Dangerous materials/Nonstandard loads
4. Control times
 - a. Airborne stations time
 - b. Air Force stations time
 - c. Departure
 - d. Enroute time to objective
 - e. TOT/TOA
 - f. Green light duration
5. Type warnings required
6. Visual and verbal signals
7. Cabin lighting and jump light intensity and use
8. Loadmaster/jumpmaster/troop commander responsibility regarding movement in the aircraft
9. Airdrop (navigator briefing required for personnel drops)
 - a. Type checklist
 - b. Opening ramp and door/paratroop doors
 - c. Early "slowdown" or "three minute warning"
 - d. CARP/HARP location (if required)
 - e. DZ identification
 - f. Altitude/airspeed/heading
 - g. Forecast winds/sea state/drop limits
 - h. Jumpmaster directed airdrop procedures

i. HALO/HAHO

1. Pressurization schedule
2. Pre breathing requirements
3. Emergency descent procedures
4. Automatic parachute release altitude

10. Rapid offload/onload operations

- a. Taxi plan/offload location
- b. Aircraft parking location
- c. Aircraft ground time
- d. Onload procedures/departure plan

11. Emergency procedures

- a. Malfunctions during airdrop/minimum bailout altitude
- b. Manual gate cut
- c. Load jettison procedures
- d. Fouled parachutist procedures
- e. Decompression sickness
- f. No drop/salvo procedures
- g. Emergency taxi escape route (infil/exfil)

LOADMASTER PARACHUTIST BRIEFING

1. Enroute time and weather
2. Seats and safety belts
3. Movement in the aircraft
4. Restricted areas in the cargo compartment
5. Emergency procedures
 - a. Ground egress
 - b. Bailout
 - c. Crash landing
 - d. Ditching
 - e. Rapid depressurization
 - f. Fouled parachutist procedures
 - g. Fuselage fire
 - h. Emergency equipment and first aid kit locations
6. Air sickness
7. Use of latrine
8. Operation of electronic devices
9. Raising troop seats during airdrops
10. Aircraft cleanliness

PILOT DEPARTURE BRIEFING

Only changed data need be briefed for multiple takeoffs/departures.

1. TOLD
2. Formation procedures (if applicable)
3. Signals for gear and flap retraction
4. Copilot and flight engineer emergency actions during takeoff
 - a. Aborted takeoff
 - b. Engine shutdown
 - c. Fuel dumping
5. Departure procedures:
 - a. ATC clearance
 - b. NAVAIDS/radios
 - c. Radar altimeters
 - d. Terrain and obstacles
 - e. Emergency return
6. Bleed air regulators/valves

PILOT ARRIVAL BRIEFING

Only changed data need be briefed for multiple approaches or landings.

1. TOLD data
2. Weather
3. Formation procedures (if applicable)
4. Arrival/approach to be used/transition level
5. Minimums
6. Missed approach
7. NAVAIDS/radios
8. Terrain and arrival restrictions
9. Type landing and flap setting
10. Backup approach
11. Copilot and flight engineer emergency actions during approach and landing
12. Bleed air regulators/valves

PILOT AIRDROP BRIEFING

1. Navigator airdrop briefing (see page 25)
2. Use of checklists
3. Formation procedures (if applicable)
4. Communication assignments
5. Engineer/flying/non flying pilot duties
6. Use of TF/TA, RALT TF, or TERM CNST (if applicable)
7. Radar altimeter setting
8. Drop MSL altitude, and airspeed review
9. Use of jump lights/ADS button
10. Automatic or Manual release at CARP/HARP
 - a. At what time cleared "NORMAL/AUTO"
11. Discontinuing a drop in progress
12. Limited Maneuver Point/Non-Maneuver Point
13. No-drop parameters/No-drop procedures/multiple passes
 - a. Crew acknowledgment
 - b. OVERRIDE/MANUAL selection
14. Escape
15. Emergency airdrop procedures
 - a. Salvo racetrack direction
 - b. Specific crew emergency actions

RECEIVER AIR REFUELING BRIEFING

1. Number and call sign of tankers and receivers
2. Refueling track name and location
3. Type rendezvous/procedures
4. Tanker/receiver altimeter settings and rendezvous/refueling altitudes
5. Formation procedures (if applicable)
6. Scheduled onload
7. Use of radios and NAVAIDS
 - a. Tanker/receiver frequencies
 - b. Air-to-air TACAN setting
 - c. Mandatory radio calls
 - d. Communication assignment
8. Emergency procedures
9. Defensive System Settings

TANKER AIR REFUELING BRIEFING

1. Receiver call sign/Type/Number
2. Refueling track/Direction
3. Type rendezvous
4. ARCT
5. Altitudes
 - a. Joinup
 - b. Refueling
 - c. MSA
6. Communications:
 - a. Deviation calls
 - b. Radar contact and contact lost calls
 - c. Range and bearing calls
 - d. Threat calls
 - e. Clearance to move hoses (silent vs. pilot's command)
7. Radio configuration
 - a. Frequencies
 - b. Secure vs. plain
 - c. TACAN (Air-to-Air)
8. Altimeter setting
9. Hose configuration (Single vs. dual)
10. Simultaneous operations
11. Offload
12. Bingo fuel

13. Divert base
14. External lighting
15. Missed rendezvous procedures
 - a. Contact lost
 - b. No visual contact
 - c. Lost visual contact
 1. Non-mountainous
 2. Mountainous
16. Door configuration
17. Defensive System Settings

PILOT SELF-CONTAINED APPROACH BRIEFING

1. Navigator briefing (see page 27)
2. Use of checklist:
 - a. NVG or non NVG procedures
 - b. TOLD
 - c. Type landing/flap setting/bleed air
3. Formation procedures (if applicable)
4. Communication assignments
5. Runway/LZ
 - a. Surface, markings, lighting
6. Crewmember responsibilities
7. Slowdown procedures
8. Airspeed and MDA review
9. Use of TF/TA, RALT TF, and terminal consent (If applicable)
10. Exterior and interior lighting
11. Go-around procedures
12. Ground operations
 - a. Use of ramp and door
 - b. Off/onload requirements
 - c. FARP briefing update
13. Takeoff and departure procedures
14. Emergency procedures

PILOT FORWARD AREA REFUELING BRIEFING

This briefing should be accomplished during the SCA briefing and prior to arrival at the FARP location.

1. Tanker or receiver status, number, and call signs
2. Use of ramp and door and paratroop doors
3. FARP equipment and configuration
4. Use of lights
5. Sequence of events
6. Taxi and parking plan
7. Emergency escape taxi plan
8. Use of checklists
9. HRS/PO/HDP and responsibilities
10. Fuel on/offload
11. Takeoff and departure procedures
12. Use of radios and NAVAIDS
 - a. Frequencies
 - b. Communications assignments
 - c. Interphone discipline
 - d. NAVAID use during/after FARP operation
13. Emergency procedures

NAVIGATOR/JUMPMaster BRIEFING

1. Type drop
2. Type parachutes and wind limits
3. IP location
4. Run-in course/turning path
5. Slowdown point
6. Drop speed
7. Drop altitude, activation altitude (HALO), and minimum acceptable drop altitude
8. Drop zone:
 - a. PI/DZ elevation
 - b. Terrain features
 - c. Hazards
9. Location of CARP/HARP
10. Useable drop zone
 - a. Length
 - b. Green light time
 - c. Location of Red light point
11. No drop conditions (to include conditions for stopping a drop in progress)
12. Authentication
13. Salvo/emergency procedures

14. Automatic Actuation Device

- a. Type of EAAD being used
- b. Forecast local altimeter setting at planned DZ
- c. Enroute flying time from takeoff to airdrop
- d. Jumpmaster plan to calculate EAAD setting
- e. Aircraft pressurization/depressurization schedule

NAVIGATOR AIRDROP BRIEFING

1. Type drop
2. Drop zone
 - a. PI/DZ elevation
 - b. Terrain features/hazards
3. Drop altitude (AGL/MSL):
 - a. MSA (IP-DZ)
4. Drop speed
5. IP location
6. Run in course or turning path
7. Slowdown point/distance
8. Location of CARP/HARP
9. Useable drop zone
 - a. Airdrop safety box
 - b. Green light time
 - c. Location of red light point
10. No drop conditions
11. Authentication

12. Escape
 - a. Heading/course
 - b. Altitude/SCP
 - c. Airspeed/groundspeed
 - d. Terrain/hazards
13. Salvo/emergency procedures
14. Defensive system settings

NAVIGATOR SELF-CONTAINED APPROACH BRIEFING

1. Landing zone
2. Touchdown zone
3. Route to final
4. IP location
5. Final course/turning path
6. Critical obstacles/hazards
7. MSA
8. SCP/MSL altitude
9. Glideslope
10. Slowdown point(s)
11. Glideslope intercept point
12. MDA
13. Authentication
14. Missed approach
 - a. Heading/course
 - b. Altitude/SCP
 - c. Airspeed/groundspeed
 - d. Terrain/hazards
15. Defensive system settings

POST FLIGHT GUIDE

1. Maintenance
 - a. 781 discrepancies (ME/MC)
 - b. Flight below 1,000 AGL over salt water
 - c. 781H fuel off/onload
2. Weather
3. Intelligence
4. Crew debriefing
5. Crew follow-on tasking
6. Notes/unit requirements

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