

# C-130J-30-CL1

## Not For Real World Use\*

A notional blend of real world and DCS World simulator procedures designed to maximize your C-130 flight operations to maximum effect.

\***For exclusive use with the Anubis Hercules Mod in DCS World**

### ACRONYMS USED

**ACAWS** - Advisory, Caution and Warning System // **AFCS** - Automatic Flight Control System  
**AMU** - Avionics Management Unit // **BTRY** - Battery // **CDS** - Container Delivery System  
**CNI-MU** - Communications/Navigation/Identification Management Unit  
**CP** - CoPilot // **FADEC** - Full Authority Digital Electronic Control // **HE** - Heavy Equipment  
**INS** - Inertial Navigation System // **LM** - Loadmaster // **LSGI** - Low Speed Ground Idle // **LSK** - Line Select Key  
**P** - Pilot (Aircraft Commander) // **PERS** - Personnel // **PF** - Pilot Flying // **PM** - Pilot Monitoring  
**TOLD** - Takeoff and Landing Data

### CHECKLIST FLOW

The checklist is separated into logical task-based sections and is a DEMAND - RESPONSE checklist.

**BLUE COLORED** RESPONSE entries are tasks that must be performed by interacting with the simulator.

Some tasks can be performed by mouse clicks and by key commands that are shown in brackets (**Key + X**).

**ORANGE** or **GREEN COLORED** RESPONSE entries are indicators that must be verified in the simulator avionics.

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Version 1.21 31JAN21

Network\_Synchronization.lua CallSign and IP Address check - P, CP - "Complete"  
 CNI-MU - P - **Net Sync button** depressed. Verify **Command Server Online**  
 CNI-MU - CP - **Net Sync button** depressed. Verify **Command Server Online**  
 CNI-MU - P - **Recall Pilot LSK** depressed. Select pilot **CallSign** with **LSK**  
 CNI-MU - P - Verify **WAITING CREW**  
 CNI-MU - CP - **Recall Pilot LSK** depressed. Select pilot **CallSign** with **LSK**  
 CNI-MU - P, CP - Verify **WAITING CREW** changed to **Crew Connected**  
 Yoke - P - Yoke **CONTROL** illuminated - pass yoke control to CP (J)  
 Yoke - CP - Yoke **CONTROL** illuminated - pass yoke control back to P (J)

## POWER UP

FLASHLIGHT - ON ( **LAlt + L** )  
 ELECTRICAL panel - SET **APU**  
 BLEED AIR panel - SET  
 FUEL panel - SET  
 EXTERIOR LIGHTING panel - SET  
 FADEC, PROPELLER CONTROL panel - SET **NORMAL**  
 FIRE/ENGINE START panel - SET  
 APU panel - SET **RUN**  
 GEAR lever - DOWN ( **LCtrl + G** )  
 LANDING LIGHTS panel - SET **OFF**  
 HYDRAULIC panel AUX PUMP - **OFF**  
 PILOT LIGHTING panel - **As req'd**  
 AERIAL DELIVERY panel - SET **LIGHTS OFF SAFETY LATCH CLOSED**  
 Battery - **ON**  
 Airplane power application - COMPLETE  
 ACAWS messages - CHECKED  
 INS - Checked ( **RAlt + Y** ) Check **Mark Point** matches C-130 position on **F10** map  
 BLEED AIR panel - SET (if reqd) **OFF**  
 Fuel quantity and distribution - CHECKED, BALANCED  
 Trim tab indicators - CHECKED  
 FLAPS lever Match indicator setting - CHECKED ( **UP LCtrl + F** )  
 Cargo Ramp and Door - **OPEN** ( **LShift + C** )  
**LOAD CARGO AS FRAGGED \F8 (GROUND CREW - RE-ARM - C-FWD JUMPERS)**

Power Up checklist - P/CP/LM - "Complete"

Pubs and forms - CP,P - "Checked" **Kneeboard** ( **RShift + K** )

Kneeboard - CP,P - SET { **NEXT PAGE** ( **]** ) / **PREVIOUS PAGE** ( **[** ) }

Kneeboard - CP,P - **UPDATE POSN MARK POINT** ( **RCtrl + K** )

Cockpit setup - CP,P - "Complete" **HUD DOWN**

Clear APU - LM - "Clear"

APU - CP - **RUN/APU START** ( **GREEN LIGHT** ) **100% APU**

CNI-MU - **TOLD - AIRCRAFT WEIGHT - EXT DATA**

CNI-MU - **INDEX - T/O DATA - EXT DATA - DATA XFER TO HUD**

CNI-MU - CP,P - "Checked"

EXTERIOR LIGHTING panel - P - "Set"

FUEL - P - "Checked"

FADEC switches - P - "RESET" **Confirm BETA Mode** off in **ACAWS**

Stby attitude indicator - P - "Uncaged"

Oxygen - CP,P - "ON,100%"

Power levers, LSGI - CP - **GND IDLE, LOW**

BLEED AIR panel - CP - Set **OPEN 40 PSI**

Ramp & door controls - LM - "Neutral"

HYDRAULIC panel AUX PUMP - CP - SET **ON**

PARATROOP AIR DEFLECTOR DOORS - CP - CHECK ( **O** ) **TOGGLE** Extend/Retract

AIR DEFLECTOR DOORS - CP - CYCLE ( **RAIt + O** ) **EXTEND** / ( **RCtrl + O** ) **RETRACT**

Parking brake - P - "Set, pressure checked, remove chocks" **ON (LSHIFT+W)**

NLG pin and chocks - LM - "Removed"

Before Starting Engines checks - LM,CP - "Complete"

## STARTING ENGINES

Clear No. 3 engine - LM - "No. 3 clear" - P - "Starting 3" **START** ( **GREEN LIGHT** )

EXT PWR/APU switch - CP - "APU, remove ext equipment"

Clear No. 4 engine - LM - "No. 4 clear" - P - "Starting 4" **START** ( **GREEN LIGHT** )

External equipment - LM - "Removed"

Clear No. 2 engine - LM - "No. 2 clear" - P - "Starting 2" **START** ( **GREEN LIGHT** )

Clear No. 1 engine - LM - "No. 1 clear" - P - "Starting 1" **START** ( **GREEN LIGHT** )

Engine & SYS STATUS displays - CP,P - "Checked" **Engine HP 150 BLEEDAIR 40**

FADEC switches - P - "RESET" **BETA MODE (B)** **Move Throttle FWD/REV**

ACAWS - CP,P - "Checked" **BETA MODE** displayed on ACAWS

LSGI switches - CP - "Normal"

LSGI switches - CP - **DEPRESS 1-4 LOW** **ILLUMINATES** Engines Spool down

Starting Engines checks - LM,CP - "Complete"

F10 Map Coordinate System - P, CP - Check map format is DD.MM.SS ( **LAlt + Y** )

AMU - P - **NAV SELECT LSK - WAYPOINTS LSK - Waypoint 1**

F10 Map - P - Mark Label Icon - Select, LMC place on map.

F10 Map - P - Place cursor inside **Mark Point** circle and ( **Ralt + Y** ) to capture.

F1 - P - Confirm Waypoint 1 populates with data. Repeat as req'd for WP 2-6.

AMU - P - Waypoint 1 - **Activate LSK** to set WP 1 as active for Autopilot/HUD

## BEFORE TAXI

**Cockpit Swing Windows - CLOSE ( LShift + D )**

**Crew Entry Door - CLOSE ( LCtrl + D )**

**Paratroop Doors - CLOSE ( LAlt + D )**

**Cargo Ramp and Door - CLOSE ( LCtrl + C )**

Flaps - CP - "50 percent" ( **LAlt + F** )

AFCS - CP,P - "Checked"

Flight controls - CP,P - "Checked" ( **J** ) **REQUEST AIRCRAFT CONTROL**

Trim tabs - CP - "Set" **CHECK TRIM ON INDICATOR**

APU bleed air valve - CP - **CLOSED**

Electrical Panel - **OFF**

LANDING LIGHTS panel - CP - SET **TAXI LIGHTS ON**

Prop controls cycle (if reqd) - P - Complete **FEATHER 1-4**

Parking brake - P - **OFF (LSHIFT+W)**

Before Taxi checks - LM,CP - "Complete"

## BEFORE TAKEOFF

Brakes - P - "Checked"

Instruments - CP,P - "Checked" **V-Speeds in HUD**

Altimeters (state setting and altitude reading) - CP,P - "Set, \_\_\_\_, reading, \_\_\_\_"

Departure review - PF - "Complete" **BRIEF DEP**

Prop controls cycle (if reqd) - P - Complete **PROPS FEATHER UNFEATHER**

LSGI switches - CP - "Normal"

APU - CP - **STOP**

Before Takeoff checks - LM,CP - "Complete"

## TAC TIP FORMATION LEAD AND WINGMEN

**AIRCRAFT FLOW ONTO RWY L/R/L/R - WINGMEN TAKEOFF INTERVAL 15 SEC**

**CLIMB OUT 180 KIAS 1500 FPM UNTIL BRIEFED LEVEL OFF OR ASSEMBLY**

**ACCELERATE TO 210 KIAS OR AS BRIEFED AFTER LAST REJOIN COMPLETE**

Exterior lights - CP,P - "Set"

NVGs - CP,P,LM - ON (If Req'd) (**Rshift + H**)

NVG GAIN - CP,P,LM - SET (**UP - RShift + RCtrl + H / DOWN - RShift + Ralt + H**)

ACAWS - CP,P - "Checked" **CLEAN**

**JATO** - If Req'd and on **runway centerline** (**Lalt + R**)

**THROTTLE T/O POWER** - If Req'd and on **runway centerline** - **ON (RAlt + P)**

Lineup checks - LM,CP - "Complete"

## AFTER TAKEOFF

GEAR - PM - "UP" (**G**)

Flaps - PM - "UP" (**LCtrl + F**)

**THROTTLE T/O POWER OFF (RCtrl + P)**

**AUTOPILOT ON (A)** AS REQUIRED **SHIFT+A SILENCE ANNUNCIATOR**

LANDING LIGHTS panel - PM - SET

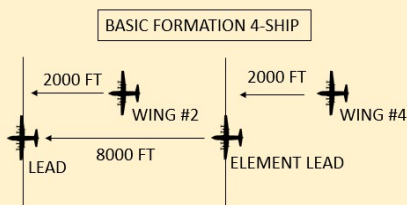
AUX PUMP - PM - **OFF**

After Takeoff checks - LM,PM - "Complete"

## TAC TIP FORMATION IN TRAIL GEOMETRY (TWO-SHIP ELEMENTS)

*Wingman 2,000 FT aft Lead - 2nd Element Lead 8,000 FT aft Formation Lead*

*Wingmen center Lead in 1st Swing Window*



## APPROACH

Approach setup - PM,PF - "Complete" **BRIEF APPROACH**

Altimeters - PM,PF - "Set, \_\_\_\_\_"

**CNI-MU INDEX - LDG DATA - FLAPS** As Req'd - **EXT DATA - DATA XFER TO HUD**

CNI-MU - PM,PF - "Checked"

TOLD PM,PF - "Reviewed" **REVIEW**

Crew briefing - PF - "Complete"

FUEL panel - PM - SET

Exterior lights - PM - SET

Landing lights panel - PM - SET **LDG LIGHTS ON As Req'd**

Seat belt and shoulder harness - CP,P - "Fastened, unlocked"

Approach checks - LM,PM - "Complete"

**AUTOPILOT OFF (A)**

Flaps - PM - "Set, \_\_\_\_\_" **DOWN 50% NORMAL 100% ASSAULT**

GEAR - PM,PF - "Down, indicators checked" **DOWN (G)**

LANDING LIGHTS panel - PM - SET **LDG LIGHTS ON**

AUX PUMP - PM - **ON**

Before Landing checks - LM,PM - "Complete"

**ENGINE RUNNING ONLOAD/OFFLOAD (ERO)**

Crew briefing - P - "Complete" **BRIEF ERO**

APU - CP - RUN, APU **ON (GREEN LIGHT) 100% APU**

Flaps - CP - "Set, \_\_\_\_\_" **UP**

Doors -P- "Clear to open"

Offload/Onload clearance - P - "Clear to offload/onload"

**THROTTLES** - If Req'd - **BETA FULL REVERSE ( RAIt + B )**

Taxi / Back Taxi clearance - LM - "Ready for taxi"

Departure setup - CP,P - "Complete"

CNI-MU - **TOLD - AIRCRAFT WEIGHT - EXT DATA**

CNI-MU - **INDEX - T/O DATA - EXT DATA - DATA XFER TO HUD**

CNI-MU - CP,P - "Checked"

Departure briefing - PF - "Complete" **BRIEF DEP**

Brakes - CP - "Normal"

LSGI switches - CP - "Normal" **OFF**

APU - CP - **OFF, STOP**

Flaps - CP - "50 percent" ( **LAIt + F** )

Trim tabs - CP - "Set"

ERO checks - LM,CP - "Complete"

**AFTER LANDING**

APU - CP - **RUN, APU ON**

Exterior lights - CP,P - "Set"

Flaps - CP - **UP**

After Landing checks - LM,CP - "Complete"

## ENGINE SHUTDOWN

C-130J-CL1-6

Nose wheel, parking brake - P - "Centered, set" **ON** (LSHIFT+W)

Power levers, LSGI - CP - "**GND IDLE, LOW**"

ENGINE START switches - P - "STOP" **STOP 1, 4, 3, 2**

PROPELLER CONTROL switches - P - "FEATHER" **ON**

Standby attitude indicator - P - "CAGED"

Exits - P - "Clear, insert chocks"

Chocks - LM - "In place"

Parking brake - P - "Released" **MANUAL**

HYDRAULIC panel - CP - Set **OFF**

Engine Shutdown checks - LM,CP - "Complete"

## BEFORE LEAVING AIRPLANE

HUD - P,CP - Covered and stowed **STOW**

PROPELLER CONTROL switches - P - **NORMAL**

BLEED AIR, APU - CP - **CLOSED**

EXT PWR/APU switch - CP - As req'd

APU - CP - **STOP**

Exterior lights - P,CP - Off

BTRY - CP - **OFF**

Emergency exit lights - CP - Extinguish

Flight station ALL - Clean

**CREW ENTRY DOOR - OPEN ( LCtrl + D )**

## COMBAT ENTRY - 20 MINUTE WARNING

Mission update - PF - "Complete" **BRIEF CREW**

FUEL panel - PM - SET

Radar altimeter - PM - "Set, \_\_\_\_" **300 AGL DAY VIS 500 AGL NIGHT NVG**

Altimeters - PM,PF - "Set, \_\_\_\_"

Emitters - PM - SET

Survival equipment - PM,PF,LM - "Donned"

Cockpit - PM - Secure

**CMDs - TEST - CP - CHAFF ( Delete ) / FLARES ( Insert )**

Lighting - PM,PF,LM - "Set"

Lookouts - LM - "Posted"

Combat Entry checks - LM,PM - "Complete"

## CABIN ALTITUDE

Oxygen check - PM,PF,LM - "Complete"

Cabin Altitude checks - LM,PM - "Complete"

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**CDS** - 1xG-12D - ZERO WIND - WT: 2000 LBS - FTD **460** YDS - TOF 16 SECS

**HE** - 1xG-11B - ZERO WIND - WT: 5000 LBS - FTD **440** YDS - TOF 38 SECS

**PERS** - 1xT-10 - ZERO WIND - WT: 200 LBS - FTD **230** YDS - TOF 47 SECS

AT **SLOWDOWN** : SLOW TO **180** KIAS - **FLAPS 50%** - THEN SLOW TO **140** KIAS

**CDS** : **130** KIAS & **650** AGL ----- **PERSONNEL** : **130** KIAS & **800** AGL

----- **HEAVY EQUIPMENT** : **140** KIAS & **1100** AGL

AT **LOAD CLEAR** : **ESCAPE 200** KIAS - **FLAPS UP** - **TURN** - **CLIMB/DESCEND**

## DROP PREPARATION

Drop Preparation checklist - LM,PM - "Acknowledged"

CNI-MU CARP pages - PM - Reviewed **BRIEF CARP**

Briefing - PM/PF - "Complete"

Altimeters - PM,PF - "Set, \_\_\_\_"

AUX PUMP - PM - **ON** (as req'd)

COMPUTER DROP switch - PM - **MAN**

Red light - PM - "On"

Mission data (as reqd) - PM - "Relayed"

Ramp and Emergency Control panel - LM - **CARGO JETTISON LOCKS** - As Req'd

**FWD LOCKS RELEASE** - (**RShift + V**)

**MID LOCKS RELEASE** - (**RAIt + V**)

**AFT LOCKS RELEASE** - (**RCtrl + V**)

**ALL LOCKS RELEASE** - (**LAIt + V**)

Ramp and Emergency Control panel - LM - **AIRDROP DROGUE LOCK** - As Req'd

Drop Preparation checks - LM,PM - "Complete"

Aerial Delivery Control panel - **CAUTION** - **10 MINUTE WARNING**

## RUN-IN

Navigation system - PM - "Checked" **SLOWDOWN 7NM TO GO RADIO CALL**

Air deflectors (if reqd) - PM - **OPEN PERS DROP (RAIt+0)**

Doors - PM - "Cleared to open" **PERS** - (**LAIt+D**) / EQPMT - **RAMP and DOOR**

Drift (as reqd) - PM - "Relayed"

Flaps - PM - "Set, \_\_\_\_" **SEE CHART BELOW FOR CDS FLAPS SETTING**

Run-In checks - LM,PM - "Complete"

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**CDS FLAPS SETTING - 130 KIAS - (1-3 BUNDLES) ----- 140 KIAS -----**

AIRCRAFT GW 90-110 FLAPS - 0

| AIRCRAFT GW 90-120 FLAPS - 0

AIRCRAFT GW 115-125 FLAPS - 10

| AIRCRAFT GW 125-140 FLAPS - 10

AIRCRAFT GW 130-140 FLAPS - 20

| AIRCRAFT GW 145-155 FLAPS - 20

AIRCRAFT GW 145-155 FLAPS - 30

| AIRCRAFT GW 160 FLAPS - 30

AIRCRAFT GW 160 FLAPS - 40



## RELEASE POINT

C-130J-CL1-8

"One minute" - PF - "Acknowledged" - LM - "System armed" - LM - As req'd

COMPUTER DROP switch - PF,PM - "Set, \_\_\_\_"

"Standby drogue" (if req'd) - PM - "Drogue released" (if req'd) - PM -

"Drogue OK" or "Malfunction" (if req'd) - LM

"Five seconds" - PF

"Green light" - PF

"On" - PM - **Aerial Delivery Control panel** - **JUMP / CHUTE RELEASE** - As Req'd

"Load clear" or "Malfunction" - LM

"Red light" - PF

"On" - PM

## TAC TIP AIRDROP ESCAPE PROCEDURE

**AT LOAD CLEAR - ACCELERATE TO 200 KIAS / FLAPS UP / TURN ESCAPE HDG**  
THEN **CLIMB/DESCEND As Req'd**

**RACETRACK** if req'd extend past **SLOWDOWN POINT - 10NM** for formation

## COMPLETION OF DROP

Doors - PM - "Indicate closed" / "Remain open" (as req'd)

Air deflectors (as req'd) - PM - "Closed" / "Remain open" (as req'd)

Flaps - PM - "UP" / "50 percent" (as req'd)

HALO safety checks (if req'd) - LM - "Complete"

AUX PUMP - PM - **OFF**

CNI-MU CARP - PM - Drop confirmed (as req'd)

COMPUTER DROP switch - PM - **MAN**

Red light - PM - OFF

Drop checks - LM,PM - "Complete"

## COMBAT EXIT

Lighting - PM,PF,LM - "Set"

Battle damage assessment - PM,PF,LM - "Complete"

FUEL panel - PM - SET

Emitters - PM - SET

Combat Exit checks LM,PM "Complete"

## COMBAT OFFLOAD (ROLL OFF)

C-130J-CL1-9

Crew briefing - P - "Complete"

Ramp and door - P - "Clear to open" ( **LShift + C** )

Brakes - P - "Set" ( **LSHIFT+W** )

Offload clearance - LM - "Clear to offload"

Power - P - "Set"

Brakes - P - "Released" "Load clear" or "Malfunction" - LM

Departure setup - CP,P - "Complete"

CNI-MU - CP,P - "Checked"

CNI-MU - **TOLD - AIRCRAFT WEIGHT - EXT DATA**

CNI-MU - **INDEX - T/O DATA - EXT DATA - DATA XFER TO HUD**

Departure briefing - PF - "Complete" **BRIEF DEP**

Ramp and door - CP - "Closed" ( **LCtrl + C** )

Flaps - CP - "50 percent" ( **LAlt + F** )

Trim tabs - CP - "Set"

Combat Offload checks - LM,CP - "Complete"

## COMBAT OFFLOAD (STATIC)

Crew briefing - P - "Complete"

Ramp and door - P - "Clear to open" ( **LShift + C** )

APU - CP - RUN, APU **ON (GREEN LIGHT) 100% APU**

Flaps - CP - "Set, \_\_\_\_"

Brakes - P - "Set"

Offload clearance - LM - "Clear to offload"

Brakes - P - "Released"

Brakes - P - "Set" "Load clear" LM

Departure setup - CP,P - "Complete"

CNI-MU - CP,P - "Checked"

CNI-MU - **TOLD - AIRCRAFT WEIGHT - EXT DATA**

CNI-MU - **INDEX - T/O DATA - EXT DATA - DATA XFER TO HUD**

Departure briefing - PF - "Complete" **BRIEF DEP**

Ramp and door - CP - "Closed"

Flaps - CP - "50 percent" ( **LAlt + F** )

Trim tabs - CP - "Set"

Combat Offload checks - LM,CP - "Complete"