

# F-14 Tomcat Checklist (Pilot)

(LE – Left Elbow, LA – Left Arm, LH – Left Hand, FL – Front Left, FR – Front Right, C – Center )



## INITIAL COCKPIT SETUP

- Throttles: IDLE CUTOFF
- Gear lever: DOWN
- Hook lever: UP
- Launch bar: RETRACT
- Flaps: UP
- Parking brake: SET
- Master arm: OFF

## START-UP

- Oxygen: ON (LE)
- Intercom switch: SET TO HOT MIC (LA)
- Ground crew: GROUND POWER ON (F10)
- Ground crew: GND AIR SUPPLY CONNECT (F10)
- Jester: REQUEST STARTUP (Wheel)
- Jester: ICS comm check LOUD & CLEAR (Wheel)
- Anti-collision light: ON (RA)
- Ejection seat: ARMED (headrest, L shift+E)
- Canopy: CLOSE (Jester will do it)
- Air source: OFF (RE)
- Hyd Transfer Pump: OFF (RE)
- Engine crank switch: R - Wait for 20% RPM (LH)
- R throttle: IDLE
- Ground crew: GROUND POWER OFF (F10)
- Engine crank switch: L - Wait for 20% RPM (LH)
- L throttle: IDLE
- Ground crew: GND AIR SUPPLY OFF (F10)
- Jester: INS - GO FINE (Wheel)
- Air source: L ENG, R ENG, then BOTH ENG (RE)
- Hyd Transfer Pump: NORMAL (RE)

## POST-START

- TACAN: T/R (LE)
- UHF radio: BOTH (LE)
- SAS switches: ALL 3 ON (LA)
- Anti-skid spoiler brake switch: OFF (LH)
- Elev. trim: 0° (shore), 3° (carrier) (FL)
- Radar altimeter: ON (FL)
- Baro altimeter: SET (FL)
- Standby gyro: ERECT (FR)
- Bingo: SET (FR)
- Gun rounds: SET to 680 (FR)
- All displays: ON & mode set to T.O. (FR)
- ARA-63 (ILS): ON & SET (RH)
- External lights: AS DESIRED (RA)

## TAXI

- NWS: ON (HOTAS)
- Parking brake: RELEASE (FL)

## TAKEOFF

- Wing sweep handle: FWD & IN (R. click) (LH)
- Wing sweep handle cover: CLOSED (LH)
- Master reset: PUSH (LH)
- Wing sweep: AUTO – 20° (HOTAS)
- Speed brake: RETRACTED (HOTAS)
- When lined up:
  - Flaps: UP (Shore), DOWN (carrier) (LH)
  - NWS: OFF (HOTAS)
  - Anti-skid spoiler brake switch:
    - BOTH (Shore), OFF (CV) (LH)
- Throttle: MIL POWER
- Rotate: 130 kts (shore takeoff only)

## AFTER TAKEOFF

- Gear: UP (before 250 kts)
- Flaps: UP (before 225 kts)
- Gear HYD ISOL switch: FLT (LH)

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## LANDING - VFR / CASE I

- HUD mode: LDG (RH)
- STEER CMD button: AS DESIRED (RH)
- HUD and VDI AWL switches: ILS (RH)
- HSD mode switch: NAV (RH)
- Anti-skid spoiler bk switch: (LH)  
BOTH (shore), OFF (carrier)
- Hook bypass switch: FIELD or CARRIER (RA)
- Landing lights: ON (HOTAS)

## AFTER LANDING

- Hook: UP
- Flaps: UP
- Wings: FULLY SWEPT
- Speed brake: RETRACTED
- NWS: ON
- Taxi

- Hook: DOWN (carrier landing only)
- Wings: FULLY SWEPT for initial pass 300-350 kts
- At the break:
  - Throttle: IDLE    Speed brake: EXTENDED
  - 45° to 60° bank level turn
- 280 kts: WING SWEEP AUTO
- 250 kts: GEAR DOWN
- 225 kts: FLAPS DOWN
- DLC: ON
- Speed: Fly AoA (approx. 140-150 kts)

# F-14 Tomcat Checklist (RIO)

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## SHORE START-UP WITHOUT STORED HEADING

- Wait for pilot to request ground pwr & air supply
- Oxygen: ON (LE)
- WCS & TV: STANDBY (HCU base)
- Nav mode: GROUND (TID)
- Category selector: NAV (CAP)
- Enter Lat, Lon, Alt (shown on kneeboard) (CAP)
- Continue checklist in right column, from top



## SHORE START-UP WITH STORED HEADING

- Wait for pilot to request ground pwr & air supply
- Canopy: CLOSE
- Oxygen: ON (LE)
- WCS & TV switches: STANDBY (HCU base)
- Nav mode: GROUND (TID)
- Verfiy TID reads ASH below progress bar (TID)
- Verify STORED HEADING is lit (LA)
- Continue checklist in right column, from top



## BOAT START-UP WITHOUT STORED HEADING

- Wait for pilot to request ground pwr & air supply
- Oxygen: ON (LE)
- WCS & TV: STANDBY (HCU base)
- Datalink: ON and mode set to CAINS/WP (RH)
- Nav mode: CVA (TID)
- Continue checklist in right column, from top



## BOAT START-UP WITH STORED HEADING

- Wait for pilot to request ground pwr & air supply
- Oxygen: ON (LE)
- WCS & TV: STANDBY (HCU base)
- Datalink: ON and mode set to CAINS/WP (RH)
- Nav mode: CVA (TID)
- Verfiy TID reads ASH below progress bar (TID)
- Verify STORED HEADING is lit (LA)
- Continue checklist in right column, from top



## CONTINUED STARTUP – ALL SCENARIOS

- Alignment carrot: VERIFY MOVING (TID)
- Set magnetic variation as follows:
  - Category selector: NAV (CAP)
  - Select MAG VAR HDG on CAP menu (CAP)
  - Press HDG (8) (CAP)
  - Press N/E for pos. var, S/W for neg. var (CAP)
  - Enter mag. var. (i.e. 52 for 5.2) (CAP)
  - Reselect OWN AC on CAP menu (CAP)
- Radar liquid cooling: ON (LA)
- TACAN: T/R (LA)
- Radio: T/R+G (LA)
- Altimeter: UNCAGE & SET (LF)
- ADI: UNCAGE (LF)
- RWR: ON (RA)
- DECM (Jammer): STBY (5 min. warm-up) (RA)
- Countermeasures: MANUAL (RA)
- Datalink: ON & SET FREQ (RA)
- Datalink mode switch: TAC (RA)
- IFF: ON (RA)
- Waypoints: SET AS REQ'D (CAP)
- Wait for alignment to complete, then...
  - Nav mode: INS (TID)

Announce: READY TO TAXI

## AFTER TAKEOFF

- WCS & TV switches: ON (HCU base)
- Category selector: TGT DATA (CAP)
- DECM (Jammer): REC (after light turns off) (RH)

# F-14 Tomcat Checklist (ACL)

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## HUMAN RIO

- TACAN: ON & SET (coordinate with pilot) (LE)
- Datalink: ON & SET to carrier freq. (RA)
- Datalink mode switch: TAC (RA)
- Radar beacon PWR switch: ON (LE)
- Radar beacon selector knob: ACLS (LE)
- Radar beacon panel light: VERIFY GREEN (LE)

## AI RIO (JESTER WHEEL)

- DATA LINK RADIO, then...
- ...SET HOST RADIO, then...
- ... select carrier

## PILOT (after RIO checklist complete)

- TACAN: ON & SET (coordinate with RIO) (LE)
- Anti-skid spoiler bk switch: OFF (LH)
- ILS: ON & SET channel (RA)
- Hook bypass switch: CARRIER (RA)
- MODE button: LDG (RH)
- STEER CMD button: AWL/PCD (RH)
- HUD AWL switch: ACL (RH)
- VDI AWL switch: ACL (RH)

- Configure for landing (approx. 10 miles out):
  - Hook: DOWN
  - Speed Brake: EXTENDED
  - Wing sweep: AUTO
  - 250 kts: GEAR DOWN, 225 kts: FLAPS DOWN
  - DLC: ON
  - Trim control surfaces for correct AoA
  - Landing lights: ON (HOTAS)
  - Verify LANDING CHK light is ON (left of VDI)
- Autothrottle: ON, at landing speed (LH)
- Autopilot: ACL (left-most switch) (LA)
- Autopilot: ENABLE (right-most switch) (LA)
- Verify A/P REF light is ON (left of VDI)
- Fly until ILS needles are centered, then...
- Verify ACL READY light is ON (left of VDI)
- Verify A/P CPLR light is ON (left of VDI)
- Autopilot: ENGAGE (AP REF / NWS Toggle)

- Verify CMD CONTROL light is ON (left of VDI)
- HANDS OFF UNTIL TOUCHDOWN
- Continue to monitor VDI caution lights in case ACLS control is lost.
- Full throttle when wheels hit the deck.

# RWR Legend



2	SA-2 Fan Song Radar	DE	Sborka (Dog Ear)
3	SA-3 Low Blow Radar	E2	E-2 AWACS
6	SA-6 Kub	E3	E-3 AWACS
8	SA-8 OSA	F4	F-4 Phantom
10	SA-10 Tracking Radar	F5	F-5 Tiger
11	SA-11 Buk	FF	SA-3 Flat Face Search Radar
12	S-300V	GR	Roland Search Radar, or Grisha 5 Ship
13	C-130 Cargo/Tanker	GZ	DDD-168 Guangzhou Ship
14	F-14 Tomcat Fighter	HA	Hawk Search Radar
15	SA-15 Tor, or F-15 Strike Eagle	HK	Hawk Tracking Radar
16	F-16 Falcon (Viper)	HP	Oliver Hazard Perry Ship
17	C-17 Cargo	HU	DDG-171 Haikou Ship
18	F/A-18 Hornet	HX	Ka-27 Helicopter
19	SA-19 Tunguska, or MiG-19	IL	IL-76 Cargo or IL-78 Tanker
21	MiG-21	KC	KC-135 Tanker
23	MiG-23	KJ	KJ-2000 AWACS
24	Su-24	KK	Krivak 3 (Rezky) Ship
25	MiG-25	KV	Kirov (Pyotr Velikiy) Ship
29	Su-27, Su-33, MiG-29, or J-11A	M	Missile
30	Su-30	M2	Mirage 2000
31	MiG-31	N	Ships only w/ nav. radar (civilian, subs)
34	Su-34	NE	Neustrashimy Ship
37	AJS-37 (Viggen)	NZ	Nimitz Ship (Vinson, Stennis)
39	Su-25TM (Su-39)	PT	Patriot Air Defense System
50	A-50 AWACS	RO	Roland SAM
52	B-52 Stratofortress	S	1L13 EWR or 55G6 EWR
A	Gepard, M-163 Vulcan, or ZSU-23-4 Shilka	S3	S-3B Tanker
AB	Arleigh Burke Ship	SD	SA-11 Snow Drift Tracking Radar
AK	Admiral Kuznetsov Ship	SH	SH-60B Helicopter
AN	AN-26 Transport or AN-30	SN	Side Net Radar (Possible SA-2, SA-3, SA-5)
AP	AH-64 Apache	SV	Slava (Moscow) Ship
B1	B-1B Bomber	T	Airport ATC Radar
BB	SA-10 Big Bird Search Radar	TC	Ticonderoga Ship
BE	Tu-95 Bear Bomber, Tu-142 Antey Transport	TT	Tarantful 3 (Molniya) Ship
BF	Tu-22 Bomber	TW	Tarawa Ship
BJ	Tu-160 Bomber	YI	FFG-538 Yantai Ship
CS	SA-10 Clam Shell Search Radar		