

OFS DCS Ka-50 Basic Course Check List

<https://www.openflightschool.de>

Legend:Cvr Up = Cover Up; Cvr Dn = Cover Down

Position: Panel Primary Posn. Secondary Posn. (Middle front of Wall Panel = WP-M-V)

Engine Start

Nr.	Beschreibung	Aktion	Taste	Position
1	Battery 1	Cvr Up, On, Cvr Dn	LCtrl - LShift - E	WP-M-V
2	Battery 2	Cvr Up, On, Cvr Dn	LCtrl - LShift - W	WP-M-V
3	SPU-9 Interkomm Power Supply	On	LAlt - LCtrl - Y	WP-U-V
4	R-828 VHF-1 Radio Power Supply	On	RAlt - RCtrl - P	WP-U-V
5	R-800 VHF-2 Radio Power Supply	On	LAlt - LCtrl - P	WP-U-V
6	Power Supply for Hydraulic / Gearbox Assemblies and EKRA Self-test Systems	On, Cvr Dn	LCtrl - LShift - N	AP-M-R
7	Main Warning Light MWL (Push Button)	Reset	M	FP-L-O
8	INU Power Supply Switch	On	RAlt - RCtrl - I	AP-O-L
9	K-041 Destination and Navigation System Power Supply	On	LShift - D	LP-V-L
10	ABRIS Power Supply	On	RShift - O	FP-R-U
11	SAI Standby Attitude Indicator Power Supply	On	RShift - N	WP-U-H
12	Fire Extinguishing System On / Off / Test	Cvr Up, Test, Cvr Dn	LCtrl - LShift - Z	WP-O-M
13	Power Supply for the Fuel Gauge	On	LCtrl - LShift - H	WP-M-M
14	Fuel shut-off valve Auxiliary Power Unit (APU)	Cvr Up, On	RCtrl - RShift - L	WP-M-M
15	Fuel Pumps Front Tank	On	LCtrl - LShift - A	WP-M-V
16	Fuel Pumps Rear Tank	On	LCtrl - LShift - D	WP-M-V
17	Obtain Permission to Start Engine from Tower	Transmit	\, F5, F1, F3, F12	-
18	Engine / Auxiliary Power Unit Start Button	Press	1	LP-O-M
19	Check APU Start	Approx. 600°C Stable	-	LP-H-L
20	Rotor Brake (Caution: The Key Combination is also a Mission Restart)	Release (Down)	LShift - R	LP-M
21	Collective Lever	Fully Down	Num-	LP-M
22	Cockpit Door	As Required	RCtrl - C	-
23	Strobe Lights	On	RShift - J	WP-U-M
24	Fuel Shut-off Valve Left Engine	Cvr Up, On, Cvr Dn	RCtrl - RShift - J	WP-M-M
25	Electronic Engine Controller (EEG) Left Engine	Cvr Up, On, Cvr Dn	RCtrl - Pos1	WP-M-H
26	Engine / APU Selector Switch	ENG-LH	E	LP-V-O
27	Start Selected Engine	Press	1	LP-V-O
28	Shut-off valve (Fuel Cock) Left Engine at approx. 2000 rpm.	Open (Up)	RCtrl - PageUp	LP-M
29	Check Left Engine RPM	70%	-	FP-R-M
30	Check Left Engine Temperature	Approx. 600°C	-	FP-R-M
31	Fuel Shut-off Valve Left Engine	Cvr Up, On, Cvr Dn	RCtrl - RShift - K	WP-M-M
32	EEG Right Engine	Cvr Up, On, Cvr Dn	RCtrl - End	WP-M-H
33	Engine / APU Selector Switch	ENG-RH	E	LP-V-O
34	Start Selected Engines	Press	1	LP-V-O
35	Shut-off Valve (Fuel Cock) Right Engine at approx. 2000 rpm.	Open (Up)	RCtrl - PageDown	LP-M
36	Check Right Engine RPM	70%	-	FP-R-M
37	Check Right Engine Temperature	Approx. 600°C	-	FP-R-M

System start

Nr.	Beschreibung	Aktion	Taste	Position
1	Shut Down APU	Press	End	LP-V-O
2	Close Fuel Shut-off Valve to APU	Off, Cvr Dn	RCtrl - RShift - L	WP-M-M
3	SAI Standby Attitude Indicator Adjust and Test Knob	Release	Mouse Wheel Down	FP-R-O
4	Collective	Fully Down	Num	LP-M
5	Flight Controls (Move Cyclic, Collective and Rudder slightly)	Check Response	-	-
6	Engine Governor	???	2 x Up Arrow	LA-U
7	Left AC Generator	On	LCtrl - LShift - V	WP-M-V
8	Right AC Generator	On	LCtrl - LShift - U	WP-M-V
9	Engine De-icing / Dust Protection System Dusty - Set DUST, Cold (<5° OAT) - Set ANTI-ICE, Otherwise - Set OFF (Centre)	DUST, ANTI ICE, Off	LAlt - I	OP-M
10	Main Rotor Blade Heating (De-icing)	On (if <5°C)	LAlt - LCtrl - LShift - S	OP-M
11	PVI Operating Mode Switch	Operate	RAlt - V / RAlt - B	RP-V-M
12	PVI Data Link On/Off	On	RCtrl - B	RP-V-M

13	Datalink Mode	COM	LCtrl - M	RP-V-U
14	Data Link TLK Power Supply	On	LCtrl - LShift - O	WP-U-V
15	Data Link VHF TLK Power supply	On	LCtrl - LShift - P	WP-U-V
16	Self ID	Set to 1	LCtrl - I	RP-V-U
17	UV-26 Energy Supply	Cvr Up, On	LCtrl - LShift - C	AP-M-R
18	LWS Power Supply (L-140)	On	LCtrl - N	AP-M-L
19	Autopilot Roll-Dampers - Hold Lateral Position (BANK HOLD)	On	LShift - B	RP-M
20	Autopilot Pitch Damper - Hold Pitch Angle (PITCH HOLD)	On	LShift - P	RP-M
21	Autopilot Yaw Damper Steering Course / Hold Course (HDG HOLD)	On	LShift - H	RP-M
22	Ejection Seat System Power Supply, Cover	Up	RAlt - RCtrl - RShift - E	WP-U-M
23	Ejection Seat System Power Supply 1	On	RAlt - RShift - E	WP-U-M
24	Ejection Seat System Power Supply 2	On	RAlt - RShift - R	WP-U-M
25	Ejection Seat System Power Supply 3	On	RAlt - RShift - T	WP-U-M
26	Ejection Seat System Power Supply, Cover	Down	RAlt - RCtrl - RShift - E	WP-U-M
27	Navigation Lights Brightness (as Required) 10% / 30% / 100% / Off	100%	3 x RAlt - L	OP-L
28	Rotor Blade Tip Lights (If Required)	On	RAlt - RCtrl - J	WP-U-H
29	Formation Lights (If Required) 10% / 30% / 100% / Off	100%	3 x RCtrl - J	WP-U-H
30	Get Permission to Ground or Hover Taxi	Transmit	\, F1, F12	-
31	Parking Brake	OFF	LShift - W	-
32	Landing Lights - Searchlights (As Required) On / Off - On / Off	On	2 x RShift - L	-
33	Taxi to Holding Point and Stop	Taxi	-	-

Before Take-Off

Nr.	Beschreibung	Aktion	Taste	Position
1	Startfreigabe vom Tower einholen	Funken	#, F1, F12	-
2	Sicht Kontrolle links/rechts ob Einflugvektor/Startbahn leer ist	Kontrolle	-	-
3	Auf die Startbahn rollen	Rollen	-	-

Takeoff Checks

Nr.	Beschreibung	Aktion	Taste	Position
1	Keep Helicopter Straight	Takeoff Roll	-	-
2	With feeling joystick forward and a little collective	Takeoff at Approx. 80 km/h	-	-
3	Retract landing gear	Press	G	FP-L-M
4	Trim	Adjust	-	-
5	Turn onto the Course for Departure	Fly	-	-

Landing

Nr.	Beschreibung	Aktion	Taste	Position
1	Obtain Permission to Land	Transmit	RAlt + \, F1, F12	-
2	Parking Brake	OFF	LShift - W	-
3	Landing Lights - Searchlights (If Required) On / Off - On / Off	On	2x RShift - L	-
4	Landing Gear	Down	G	FP-L-M
5	Turn onto the Final Approach (Final), Keeping IAS below 150 km/h	Fly	-	-
6	Rate of Descent Below 2m	Check < 5m/s	-	FP-L-O
7	Slowly Land and Adjust Collective to Taxi	Fly	-	-
8	Gentle Braking	Taxi	W	-
9	Vacate Runway	Taxi	-	-

Shutdown

Nr.	Beschreibung	Aktion	Taste	Position
1	Parking Brake	ON	LShift - W	-
2	Collective Lever	Fully Down	-	-
3	Cyclic and Pedals	Neutral	-	-
4	ABRIS Power Supply	OFF	RShift - O	FP-R-U
5	K-041 Destination and Navigation System Power Supply	OFF	LShift - D	LP-V-L
6	Left AC Generator	OFF	LCtrl - LShift - V	WP-M-V
7	Right AC Generator	OFF	LCtrl - LShift - U	WP-M-V
8	Engine Governor	down to idle	2 x Down Arrow	LA-U

9	Optional: Cool Engines Wait 2 minutes until complete Switch-off	Wait 2 min		
10	Standby Attitude Indicator (SAI) Power supply	OFF	RShift - N	WP-U-H
11	Standby Attitude Indicator (SAI) Adjustment and Test Knob	Cage	Drag + Rotate Right	FP-R-O
12	Switch off electrical systems (for weapons, navigation, etc.) which are not required for the function and monitoring of the engines as well as communication. Detailed description in the advanced course. Can be skipped in basic			
13	Shut-off Valve (Fuel Cock) Left Engine	Close (bottom)	RCtrl - PageUp	LP-M
14	Shut-off Valve (Fuel Cock) Right Engine	Close (bottom)	RCtrl - PageDown	LP-M
15	Monitor Exhaust Gas Temperature and Engine Speed	Cooling Down and Running Down		
16	Rotor Speed < 30% - Rotor Brake	Activate (Up)	LShift - R	LP-M
17	Fuel Shut-off Valve Left Engine	Cvr Up, Off, Cvr Dn	RCtrl - RShift - J	WP-M-M
18	Fuel Shut-off Valve Right Engine	Cvr Up, Off, Cvr Dn	RCtrl - RShift - K	WP-M-M
19	EEG Left Engine	Cvr Up, Off, Cvr Dn	RCtrl - Pos1	WP-M-H
20	EEG Right Engine	Cvr Up, Off, Cvr Dn	RCtrl - End	WP-M-H
21	Fuel Pumps Front Tank	OFF	LCtrl - LShift - A	WP-M-V
22	Fuel Pumps Rear Tank	OFF	LCtrl - LShift - D	WP-M-V
23	Battery 2	Cvr Up, Off, Cvr Dn	LCtrl - LShift - W	WP-M-V
24	Battery 1	Cvr Up, Off, Cvr Dn	LCtrl - LShift - E	WP-M-V