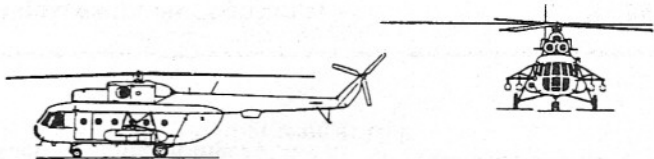


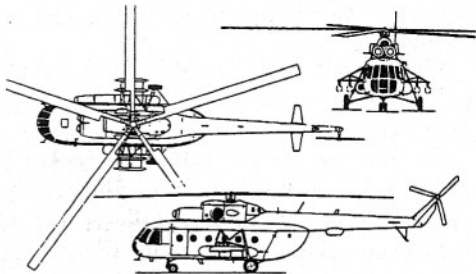
MI-4 HOUND

Description: The Mi-4 is a multirole helicopter used for troop assault, armed support and general cargo transport. Optional weapons pylons can be added to support four 16 shot 57mm rocket pods or four AT-2 or AT-3 ATGMs. **Max Speed:** 210 kph **Weight:** 7,800 kg (loaded) **Max Ceiling:** Unk **Service Ceiling:** 5.4 km **Max Range:** 460 km (max fuel) **Combat Range:** 250 km.



MI-8 HIP

Description: The Mi-8 is a medium utility helicopter. The Mi-8 can carry up to 24 fully equipped combat troops or 2,425 kg of cargo, when the aircraft is fully armed. The Mi-8 can carry rocket pods, ATGMs, general/special purpose bombs (250/500 kg), and a nose mounted machinegun. **Max Speed:** 250 kph **Weight:** 12,000 kg (loaded) **Max Ceiling:** Unk **Service Ceiling:** 3.5-4.5 km **Max Range:** 410 km (max fuel) **Combat Range:** 200 km.



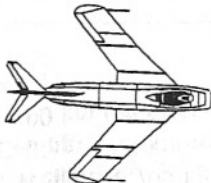
MI-17 HIP

Description: The Mi-17 has an airframe basically identical to that of the Mi-8, but has more powerful 1,900 shp turboshaft engines. The Mi-17 has the same armament options as the Mi-8 supplemented with GSh-23 23mm gun packs. **Max Speed:** 250 kph **Weight:** 13,00 kg (loaded) **Max Ceiling:** Unk **Service Ceiling:** 5 km **Max Range:** 950 km (max fuel) **Combat Range:** Unk.



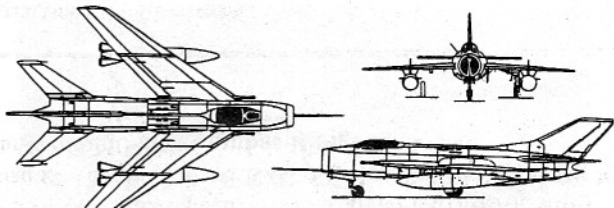
HUGHES 500 D/E

Description: The Hughes 500 is a multirole utility helicopter. The DPRK has at least 75 civilian D/E model helicopters. Although these aircraft were not sold with weapons on them is possible to that some weapons systems have been added. **Max Speed:** 280 kph **Weight:** 1,700 kg (loaded) **Max Ceiling:** Unk **Service Ceiling:** 4,800m **Max Range:** 327 km (max fuel) **Combat Range:** Unk.



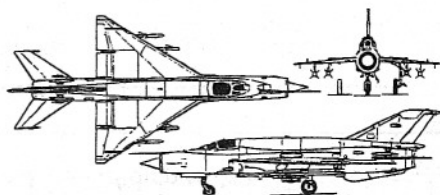
F-5 (MIG-17) FRESCO A/B/C/D

Description: The DPRK has about 100 of these in a ground attack role and about 30 aircraft as fighters. The F-5 is a single seat aircraft with a single turbojet engine. It has three 23mm cannon and/or four AA-1 ALKALI missiles. There are two under wing hard points for drop tanks or stores up to 500 kg. **Max Speed:** 1,145 kph **Weight:** 6,700 kg (loaded) **Max Ceiling:** Unk **Service Ceiling:** 16.6 km **Max Range:** 2,250 km **Combat Range:** Unk



F-6 (MIG-19) FARMER

Description: The DPRK has about 160 of these aircraft. The F-6 is the Chinese version of the MiG-19. The F-6 has six attachment points for external stores (three on each wing). The outboard wing stations can carry a 250 kg bomb. The outboard wing stations can also carry a 760 or 400 liter drop tank or the CAA-16 AAM. The inboard wing stations can carry practice bombs or rocket pods with either 8 X 57mm, 7 X 68mm, or 7 X 90mm rockets. **Max Speed:** 1.5 Mach **Weight:** 8,700 kg (loaded) **Max Ceiling:** Unk **Service Ceiling:** 17.9 km **Max Range:** Unk **Combat Range:** 1,390 km (w/ drop tanks)



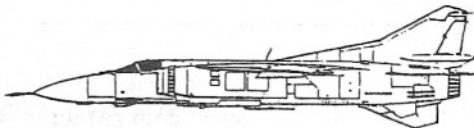
MIG-21 FISHBED D/F/J

Description: The DPRK has about 160 of these aircraft. The MiG-21 is armed with a twin barrel 23mm GSh-23 gun with 200 rounds in a belly pack and four underwing pylons for weapons and drop tanks. The MiG-21 also has a JAY BIRD/SPIN SCAN search and track radar with a 20 km range. Typical loads for the intercept role are two AA-2/2D ATOLLS and two radar homing AA-2C ATOLLS: two UV-16-57 rocket pods on outer pylons; or two drop tanks and two AA-2/2D or AA-2C AAMs. Typical loads for ground attack are four UV-16-57 rocket pods: two 500 kg and two 250 kg bombs; or four 240mm S-24 rockets.

Max Speed: 2.05 Mach **Weight:** 9,800 kg (loaded) **Max Ceiling:** 18 km **Service Ceiling:** 15.2 km **Max Range:** 971 km **Combat Range:** 593 km (w/ drop tanks).

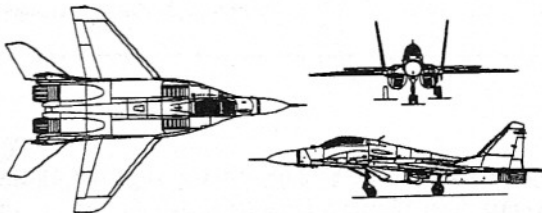
F-7

Description: The DPRK has about 40 of these aircraft. The F-7 is the Chinese version of the FISHBED C. The F-7 is armed with two 30mm Type 30-1 belt fed cannon, with 60 rounds per gun. There are two hardpoints under each wing, with the outboard ones sometimes being used for drop tanks. Each inboard pylon is capable of carrying a PL-2, -2A, -5B, AA-2, or AA-8 AAM; or a Type 57-2 pod with 18 X 57mm rockets; or a Type 90-M1 pod with 7 X 90mm rockets; or a bombs of 50/150/250/500 kg. The outboard pylons can also carry one of the rocket pods, a 50/150 kg bomb, or a 500 liter drop tank. **Max Speed:** 2.05 Mach **Weight:** 7,531 kg (unloaded) **Max Ceiling:** 18.7 km **Service Ceiling:** 12.2 km **Max Range:** 1,203 km **Combat Range:** 939 km (w/ drop tanks).



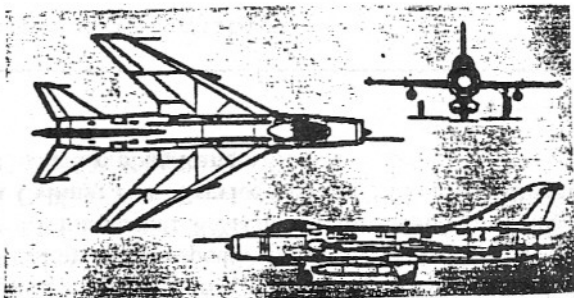
MIG-23 FLOGGER B/C/E/G/K

Description: The DPRK has at least 46 MiG-23ML fighters. The MiG-23ML (FLOGGER G) is equipped with the HIGH LARK radar and can be armed with AA-2/ATOLL, AA-7/APEX, and AA-8/APHID AAMs. It also carries a twin barrel GSh-23 gun. **Max Speed:** 2.35 Mach **Weight:** 18,900 kg (loaded) **Max Ceiling:** Unk **Service Ceiling:** 18 km **Max Range:** Unk **Combat Range:** 900-1,300 km.



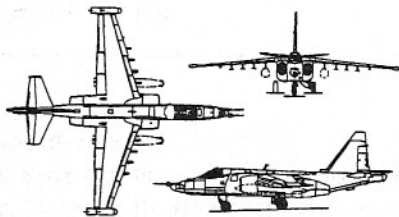
MIG-29 FULCRUM A/B

Description: The DPRK has about 10 MiG-29 aircraft. The MiG-29 is a twin engine fighter. It can carry two medium range radar homing AA-10/ALAMO and four close range AA-11/ARCHER AAMs on three pylons under the wings. It can also carry AA-8/APHID missiles, bombs, 57/80/240mm rocket pods. The MiG-29 also has one 30mm gun. **Max Speed:** 2.3 Mach **Weight:** 18,900 kg (loaded) **Max Ceiling:** Unk **Service Ceiling:** 18 km **Max Range:** 2,100 km **Combat Range:** Unk



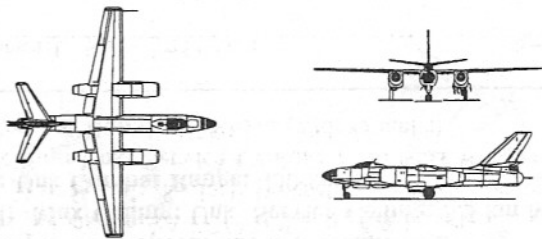
SU-7B FITTER A

Description: The DPRK has about 20 of these aircraft. The Su-7B is a single seat ground attack aircraft. It is armed with two 30mm NR-30 guns in wing roots, each with 70 rounds. Underwing pylons allow two 742 kg or two 495 kg of bombs or rocket pods. **Max Speed:** 1.6 Mach **Weight:** 13,387 kg (loaded) **Max Ceiling:** Unk **Service Ceiling:** 18 km **Max Range:** 1,449 km **Combat Range:** 250-350 km (w/drop tanks).



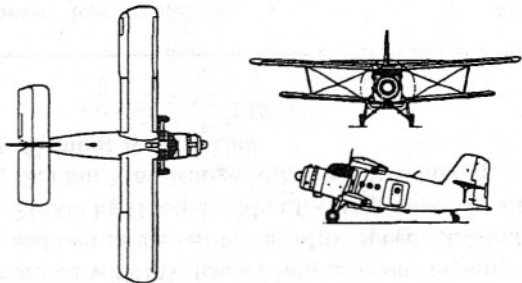
SU-25 FROGFOOT A

Description: The DPRK has about 35 of these aircraft. The Su-25 is a single seat ground attack aircraft. It is armed with one twin barrel 30mm gun in the bottom of the fuselage with 250 rounds. There are 8 pylons under the wings which can carry 4,000 kg of air to ground weapons, including 57mm to 370mm rockets. There are two small outboard pylons for AA-2D/ATOLL or AA-8/APHID AAMs. **Max Speed:** .8 Mach **Weight:** 17,600 kg (loaded) **Max Ceiling:** Unk **Service Ceiling:** 7 km **Max Range:** Unk **Combat Range:** 1,250 km (w/drop tanks).



IL-28 BEAGLE

Description: The DPRK has about 80 of these aircraft. The Il-28 is a three seat light bomber. It has an internal bay for up to 3,000 kg of bombs or two air launched torpedoes. it is also armed with two fixed 23mm cannons mounted in the nose and two in the tail turret. **Max Speed:** 900 kph **Weight:** 21,000 kg (loaded) **Max Ceiling:** Unk **Service Ceiling:** 12.3 km **Max Range:** 2,180 km (w/1000 kg payload) **Combat Range:** Unk.



Y-5 (AN-2 COLT)

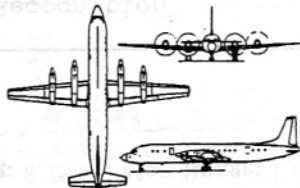
Description: The DPRK has about 270 of these aircraft. The Y-5 is a general purpose biplane used mostly to insert SOF troops. **Max Speed:** 220 kph **Weight:** 5,250 kg (loaded) **Max Ceiling:** Unk **Service Ceiling:** 3.5 km **Max Range:** Unk **Combat Range:** 450 km.



COKE (AN-24)

AN-24 COKE

Description: The DPRK has about 6 of these aircraft. The An-24 is a short range transport aircraft. **Max Speed:** 484 kph **Weight:** 21,800 kg (loaded) **Max Ceiling:** Unk **Service Ceiling:** 8.75 km **Max Range:** Unk **Combat Range:** Unk.

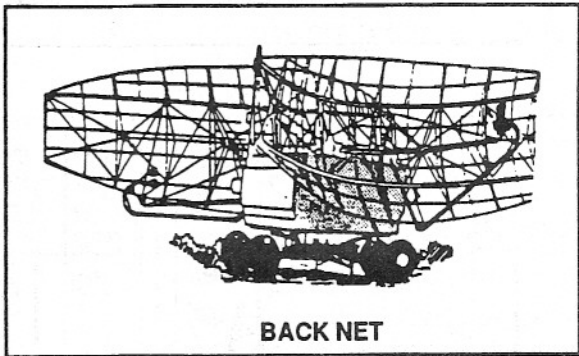


IL-18 COOT

Description: The DPRK has 2 of these aircraft. The Il-18 is a medium transport aircraft, which can carry up to 90 troops. **Max Speed:** 675 kph **Weight:** 64,000 kg (loaded) **Max Ceiling:** Unk **Service Ceiling:** 8-10 km **Max Range:** Unk **Combat Range:** 3,700 km (loaded).

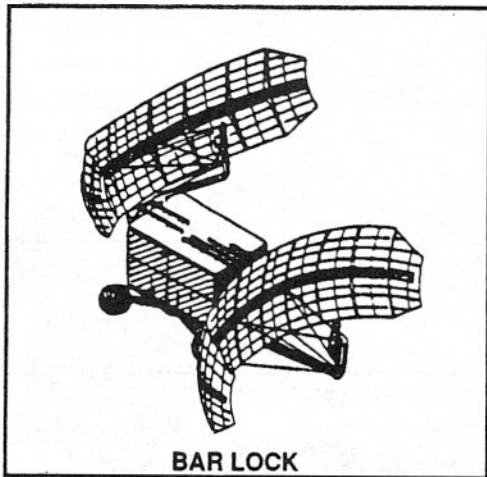
RADAR SUMMARY CHART

Name	Type	Freq band	Max Range	Assoc with	Comments
BACK NET	EW/GCI	E	300km	SA-5	3-6 rpm Scan
BACK TRAP	EW/ACQ	E	410km	SA-5	2mw power 6rpm Scan
BAR LOCK	EW	E/F	200km	SA-5	1mw/b power, PRF 375pps, 7 rpm Scan, BW .7deg
(P-35/37)					PW 1.5, 4.5 us, Accuracy range 350m-AZ .14 deg
BAR LOCK B	EW	E/F	280km	SA-5	(? also P-50?)
(P-35M)					
BIG BACK	FW/GCI	L	600km	SA-5	
DOG EAR	ACQ	G	50km	SA-9/13	
			35km	ZSU-23-4	
FAN SONG B	FC/TRK	E/F	60-120km	SA-2	600kw power, Vert Ant BW 10 10x2deg. Hort Ant BW 2x10deg, Scan 15.5-17HZ
C/D/E		G	70-145km	SA-2	1.0mw power, Vert Ant BW 7.5x1.5deg. Hort Ant BW 11.5x7.5, Scan 15.5-17HZ PRF 828-1440 Search, 1656-2880 Trk PW 4-1.2ms us, .2-9ms us
F		E/F	70-145km	SA-2	Same as A/B
(guidance)		C			PRF 44pps
FLAT FACE	EW/ACQ	C	200km	SA-3	Power 380kw, BW AZ 4.3 deg-ELEV 4.3 deg.
(P-15)				Gun s	PW 2us, PRF 200-700pps, 70km range at 300m alt accuracy 650m range, 1.8 deg AZ
GIN SLING	FC/TRK	E/F	100+km	HQ-2	(range measurement)
(range meas)		I/J			
(Msl Guidance)		D			
KNIFE REST A	EW	A	75km	SA-2	75kw power, PW 4-12us,
(P-8 Dolfin)					
LOW BLOW	B/C EW FC	A I	70km 40km	SA-3	(P-10) Power 250kw, PRF 1750-3500pps, PW 25-5ms(us), BW 12x1.5, Scan (trough) 16HZ
	Trk/FC	I	40-85km		PRF 3560-3585HZ, Scan (Para) 25HZ
	Guid	D	29km		
ODD PAIR	Height	E		SA-5	3-6rpm Scan
SIDE NET	Height	E	28km	SA-2/3/5	Max altitude 32km
(PRV-11)					
SJ-202	FC/ACQ		115km	HQ-2	
SPOON REST	ACQ/EW	A	200km	SA-2/8	Power 314kw, BW 6x22.5, PRF 310-400pps, PW 4-6us, Max Alt 32km, Scan 2-6rpm
A/C/D (P-12)					
SQUARE PAIR	FC	H	255km (160-270)	SA-5	
SQUAT EYE	EW	C	128k m	SA-3/5	Power 380kw
(P-15M(2))					
TALL KING	BW	A	605km	SA-5	2-6rpm Scan
(P-14)					
TIN SHIELD	EW/GCI		200km	SA-2/3/5	



Equipment Recognition

6-178



BAR LOCK

