





Army Air Surveillance Site



- Mainly paperbased C2
- One Air Force Officer with authority to scramble squadron







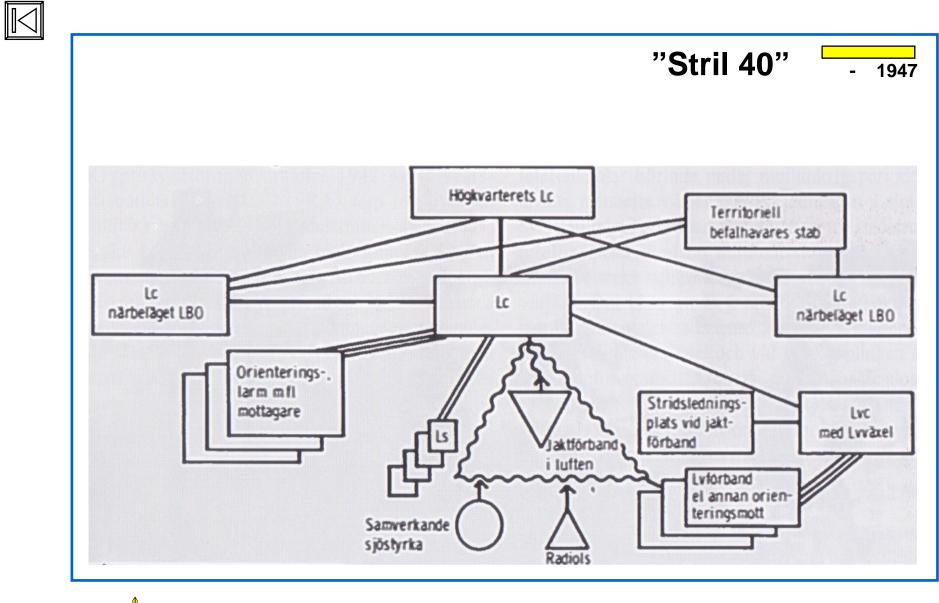
C2 Facility

- 1947

- SOC, Old type of Sector Operations Cell (Jaktcentral, jc)
- Human sensor using radio (Jakt-Is)

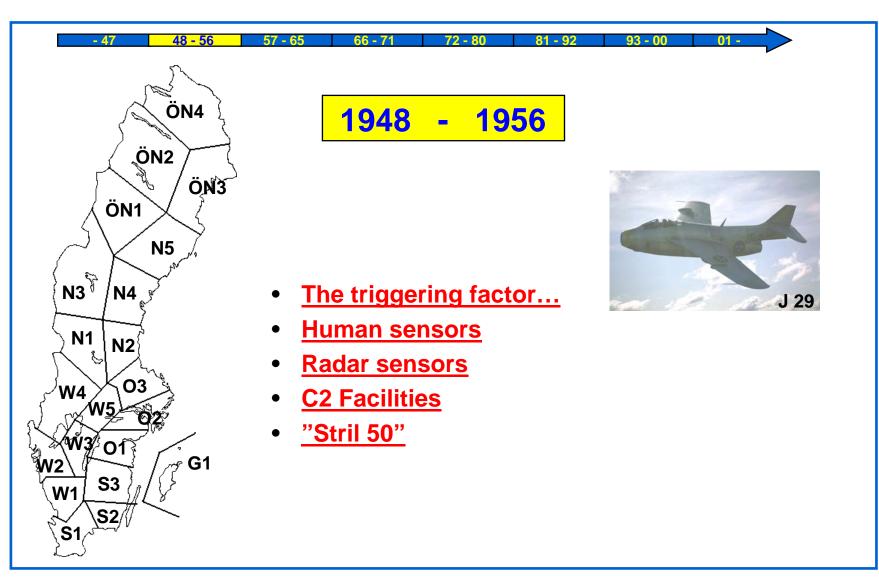
















The triggering factor... 1948

June 13 1952 Swedish DC-3 was shot down over the Baltic Sea

Three days later Swedish SAR Catalina also was shot down

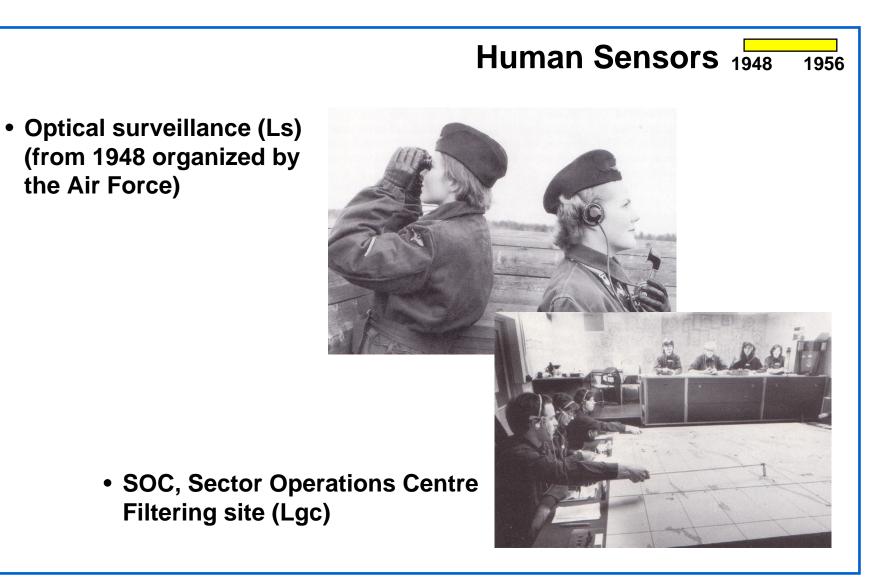


1956

The triggering of Swedish Air Force QRA (Quick Readiness Alert)

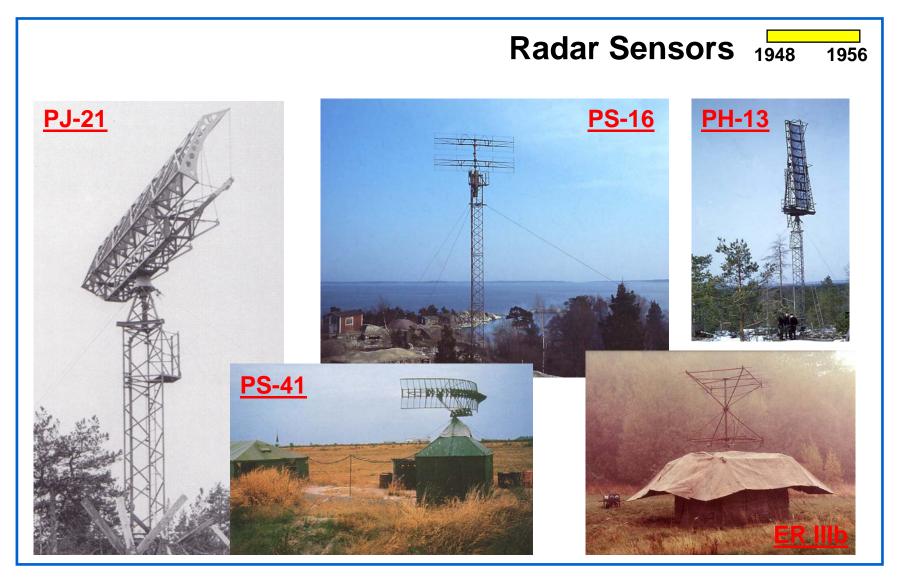














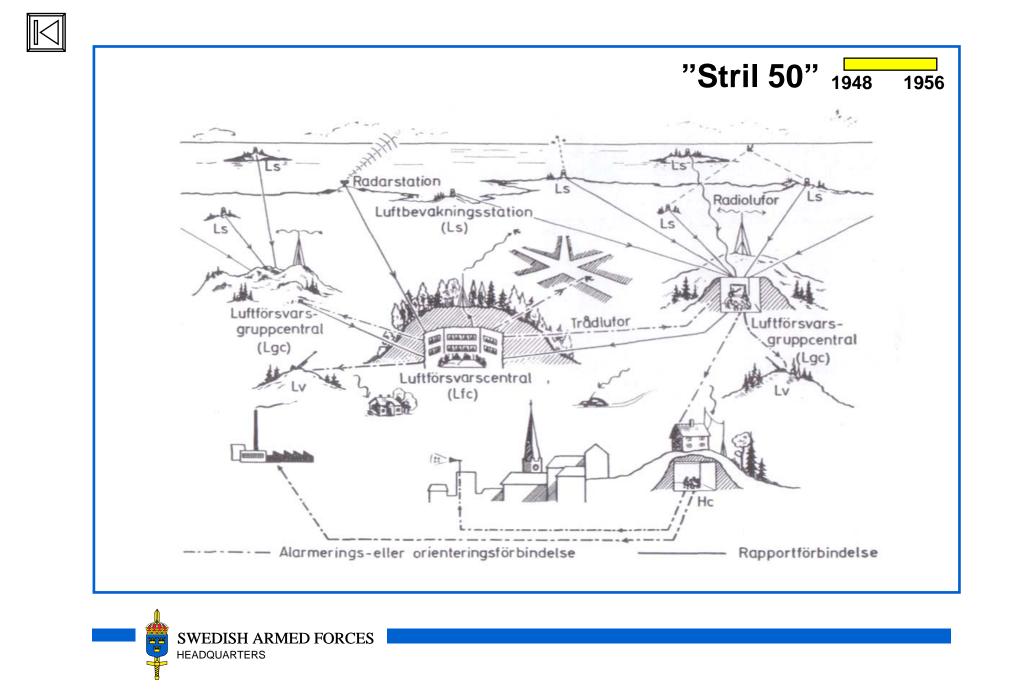




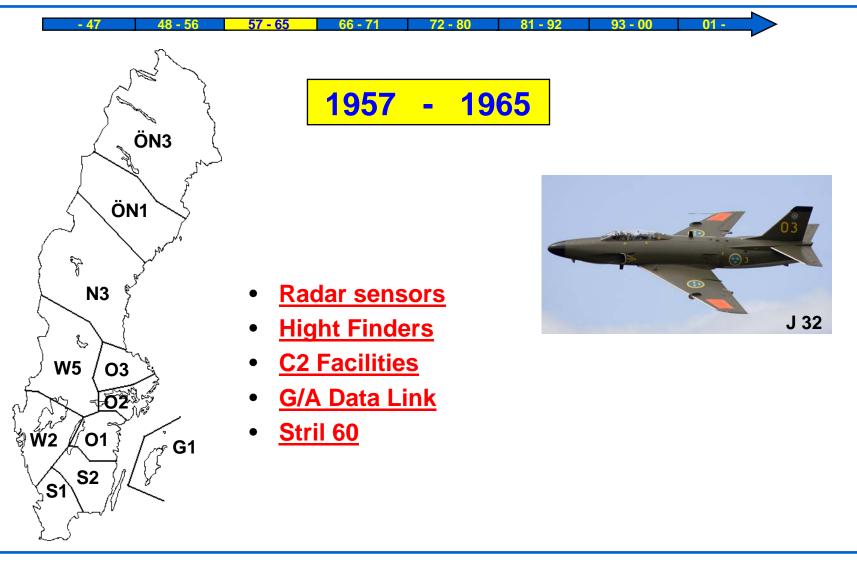


 AOC, Air Operations Centre (<u>Lfc m/50</u>)



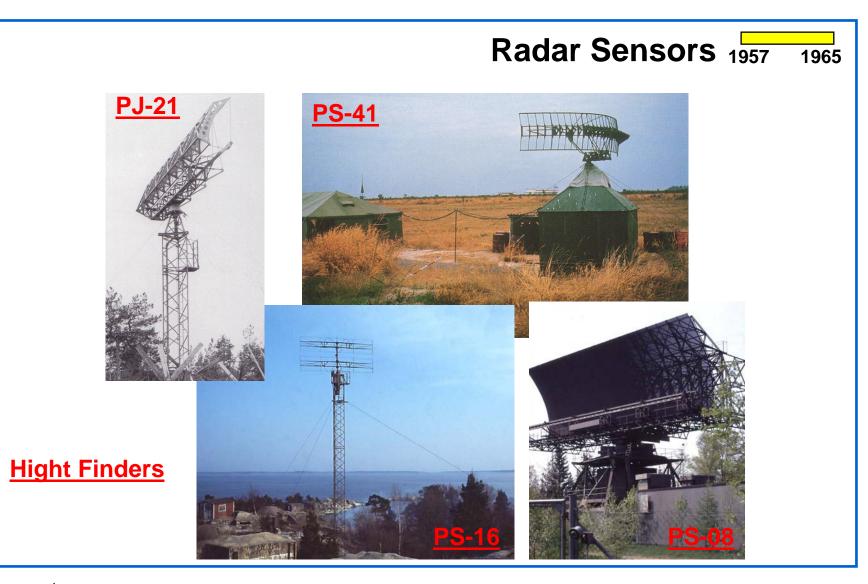






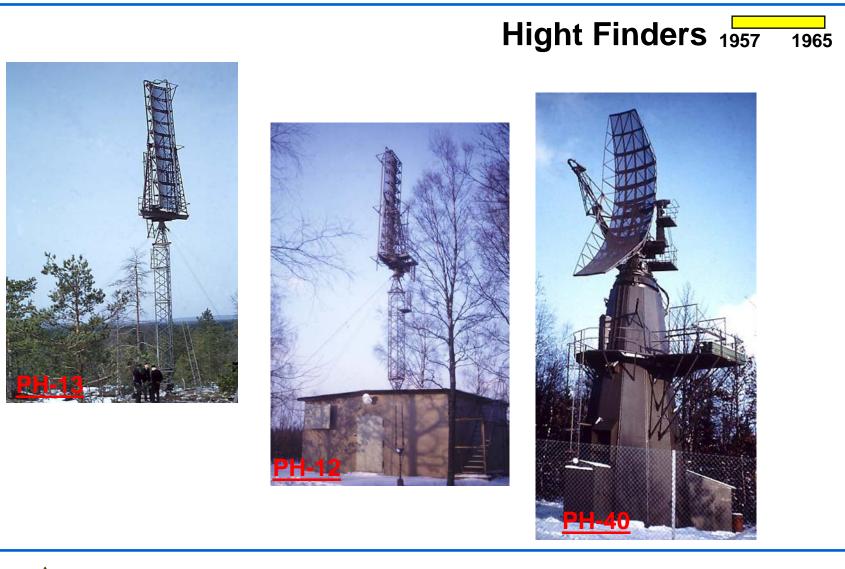






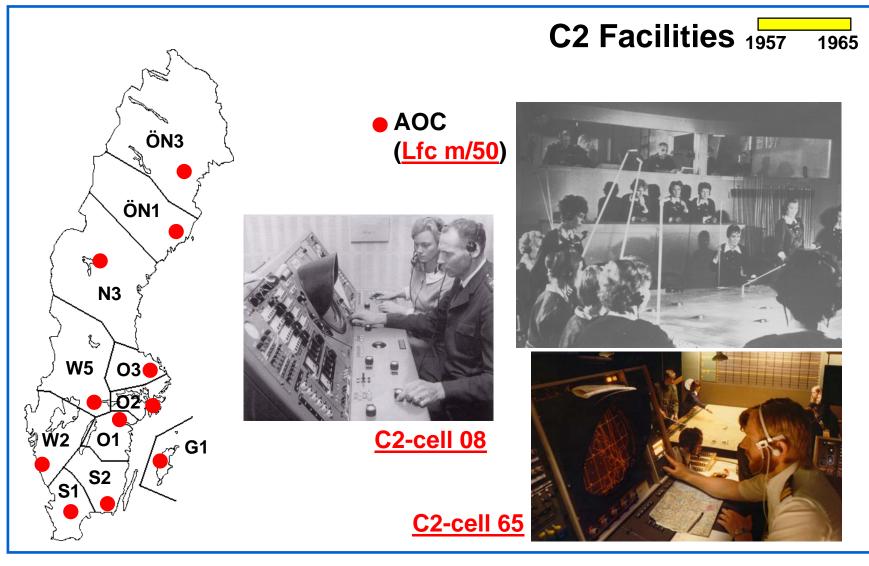




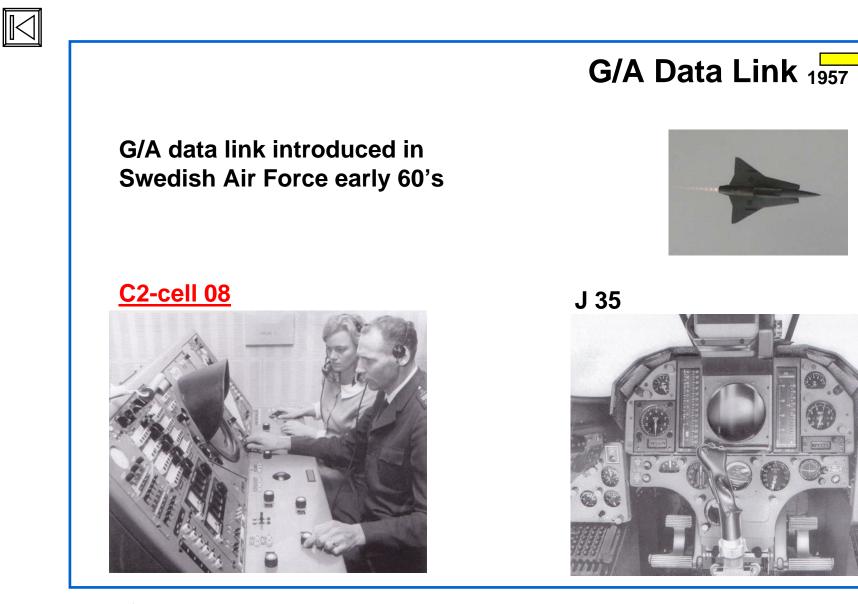




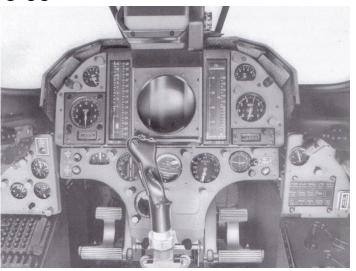


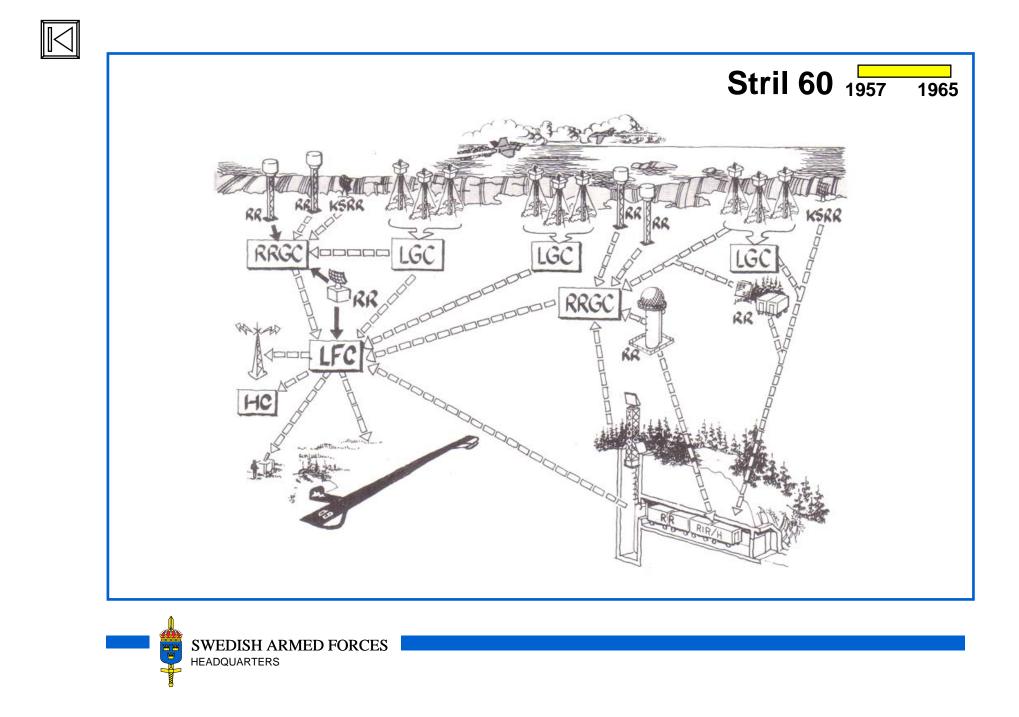




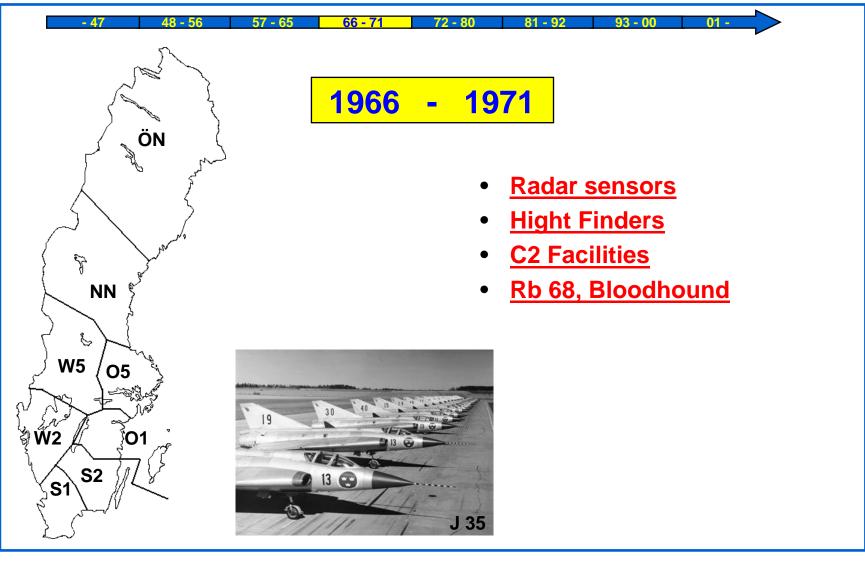






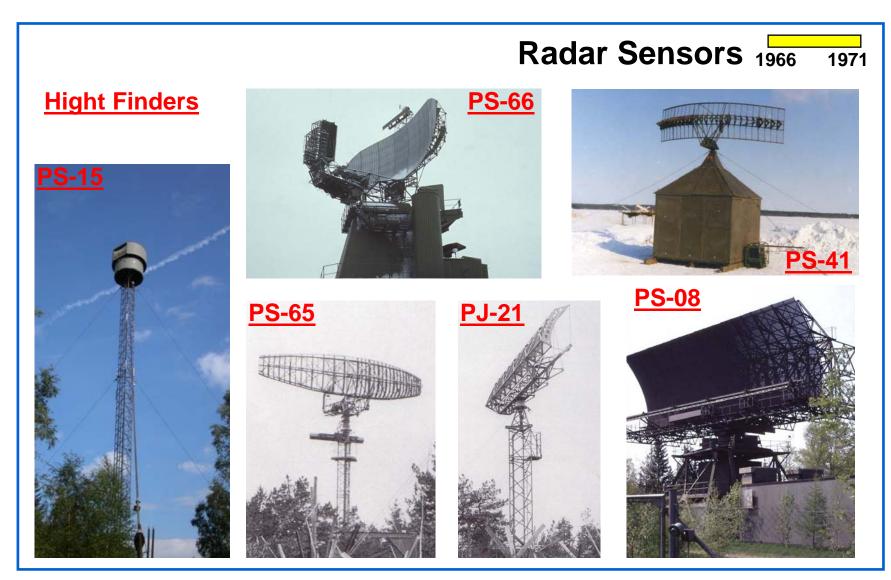






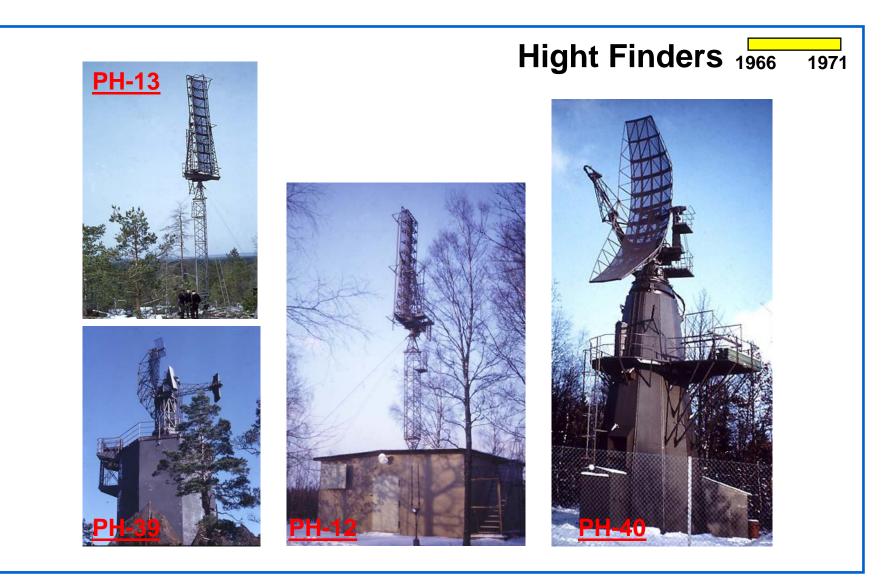






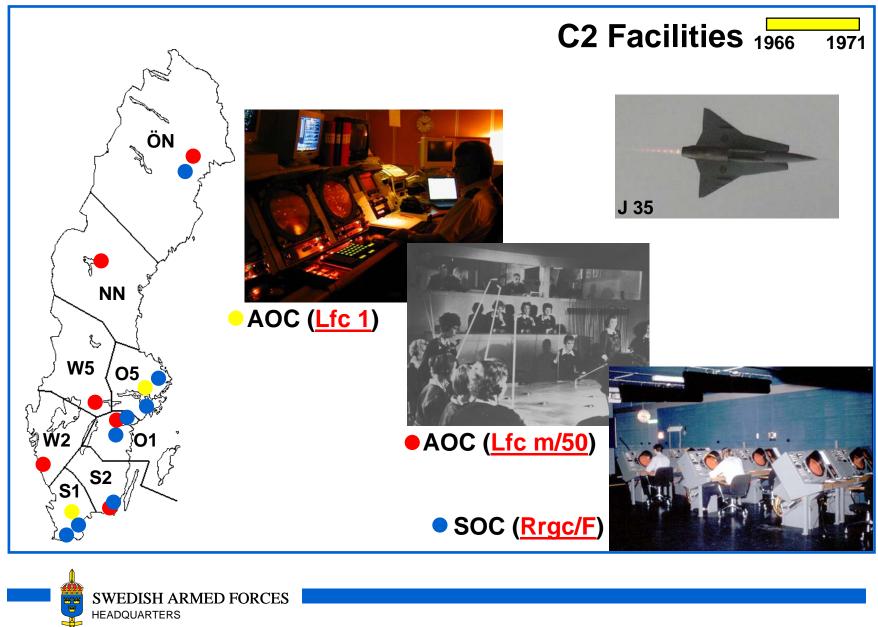






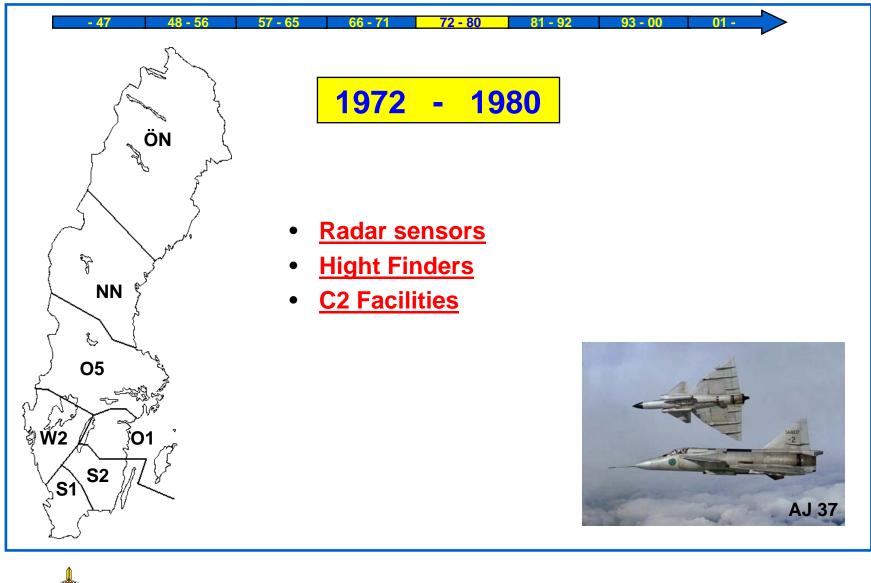






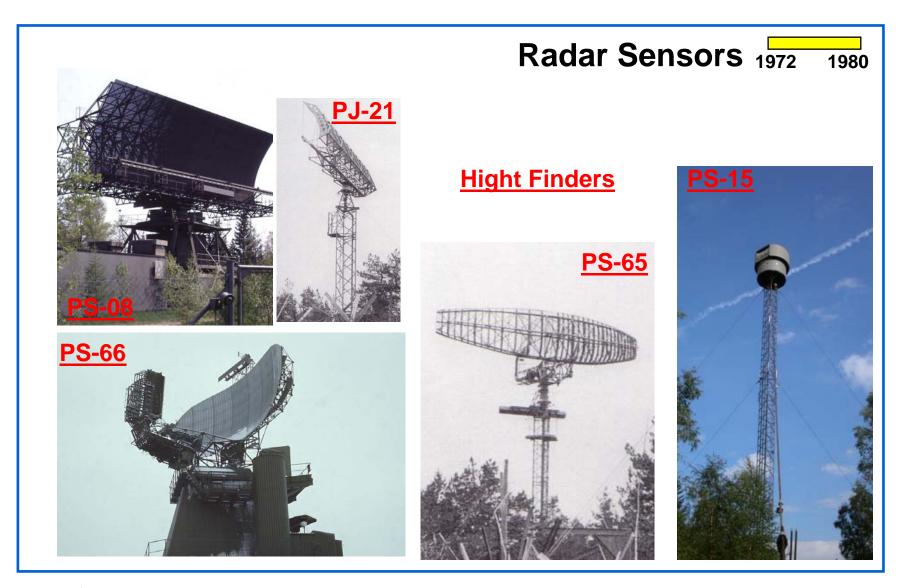
SWEDISH ARMED FORCES HEADQUARTERS





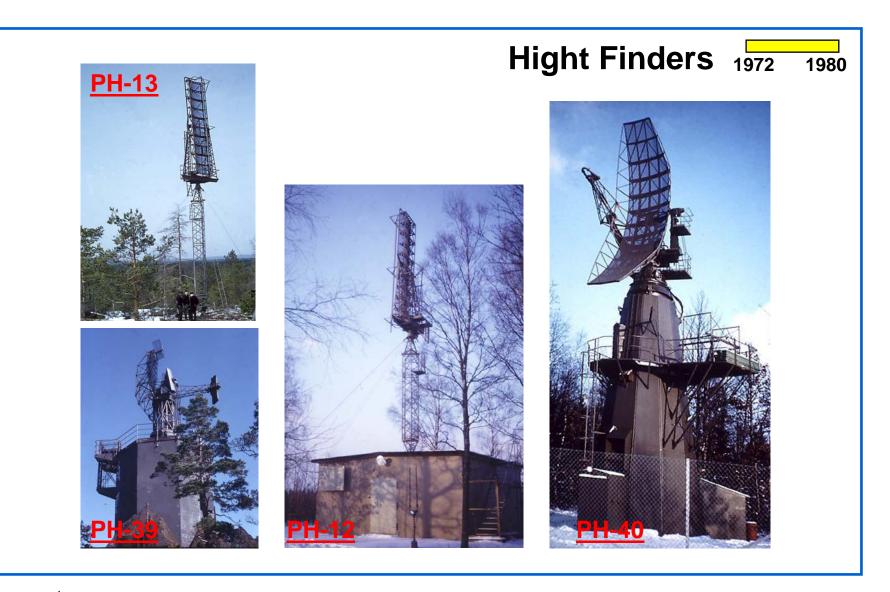






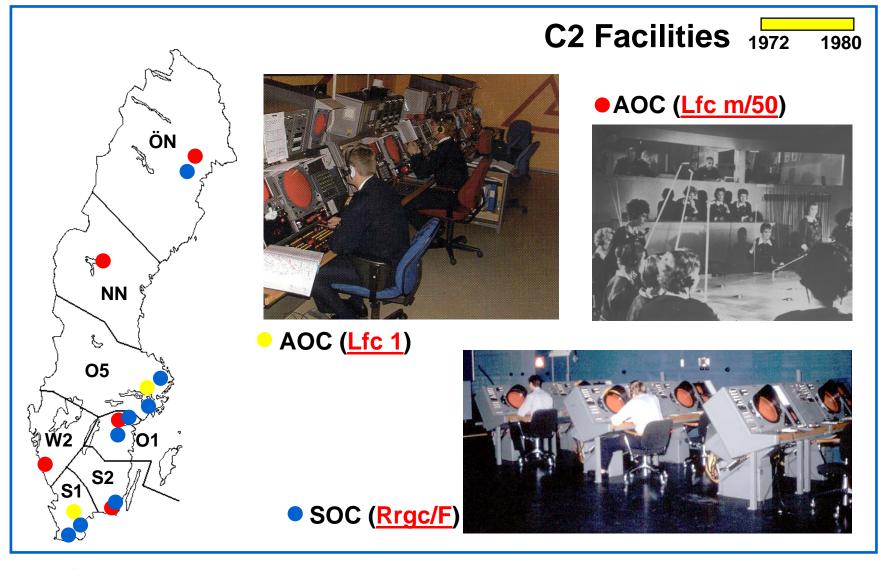






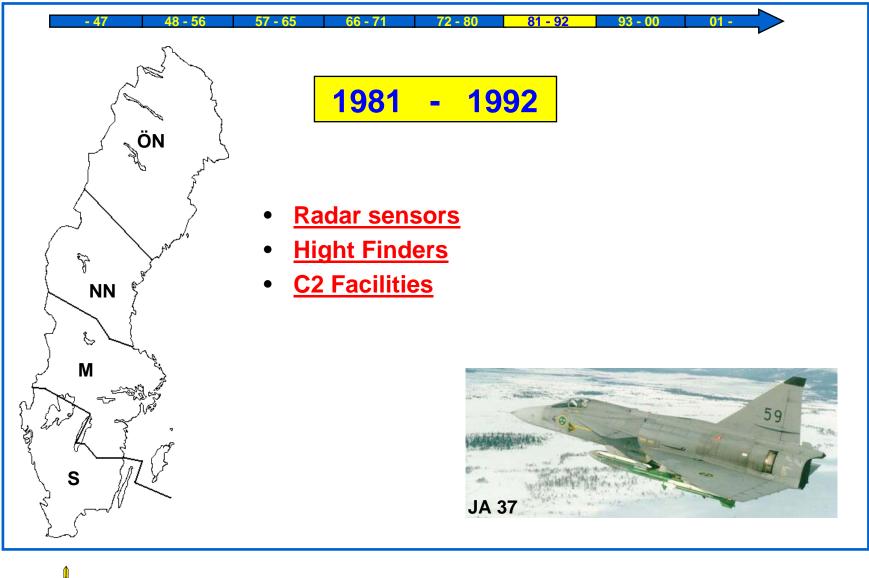






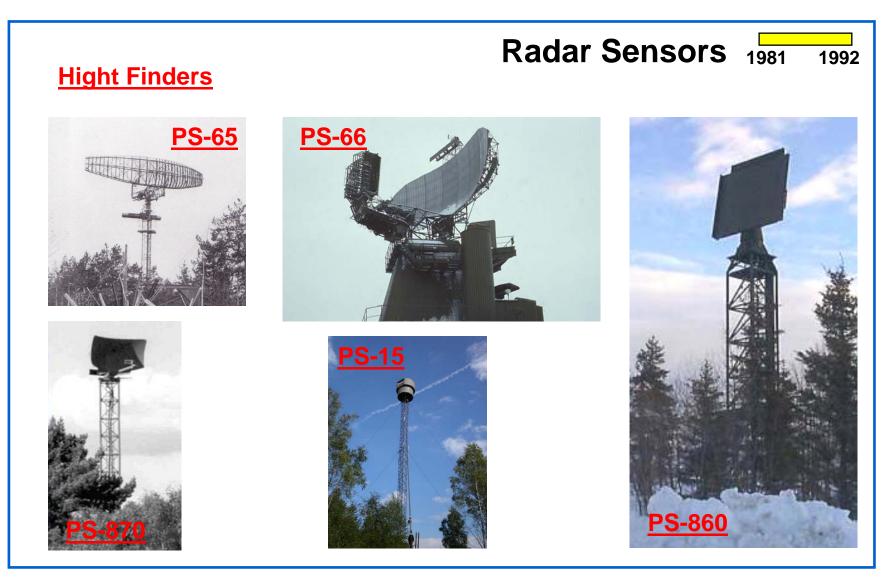






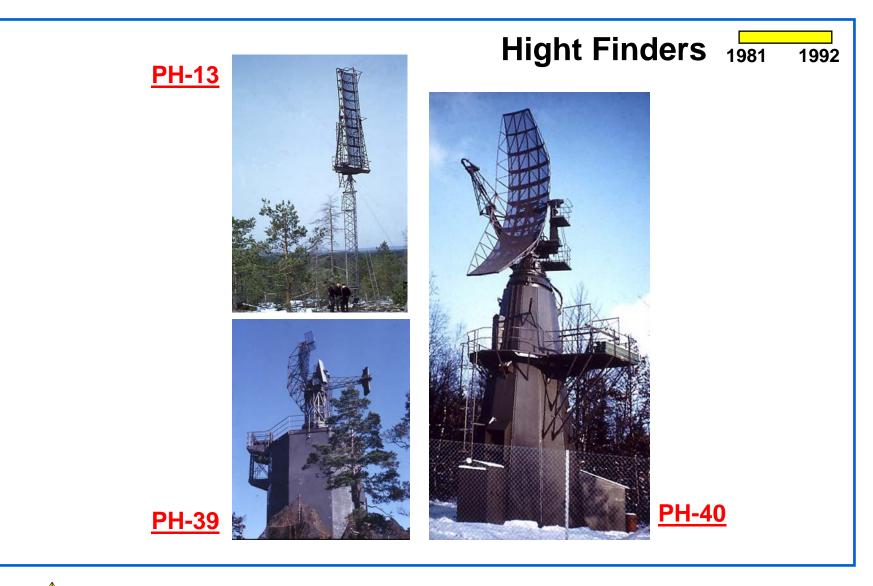






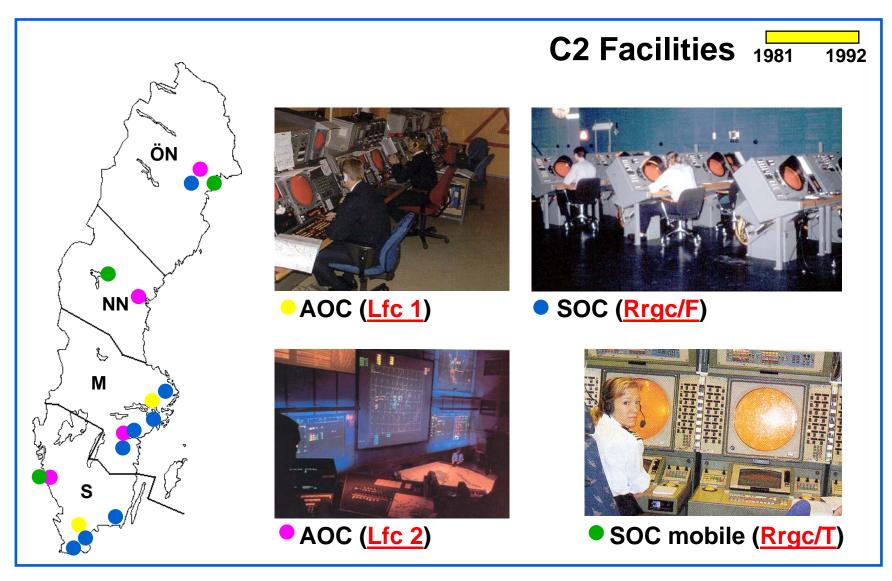






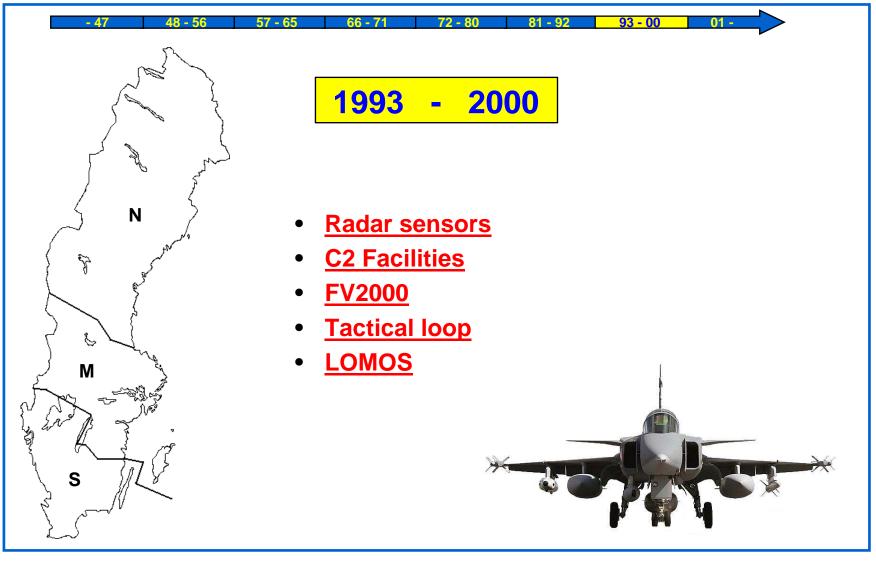






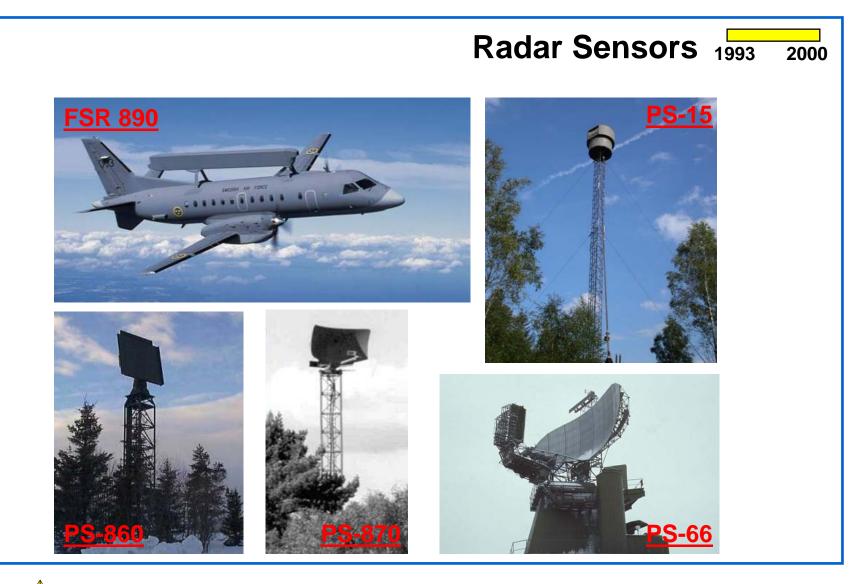






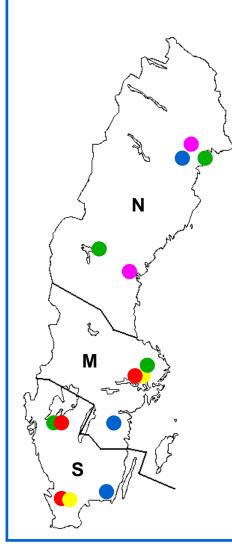














C2 Facilities 1993



AOC (<u>Lfc 2/Lfuc</u>)



SOC (<u>Rrgc/F</u>)

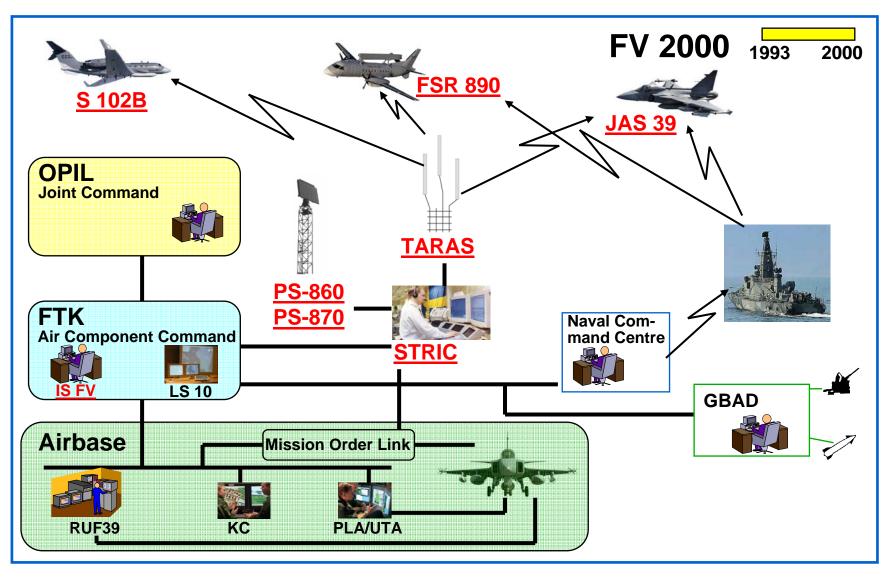


AOC (<u>StriC/LE</u>)

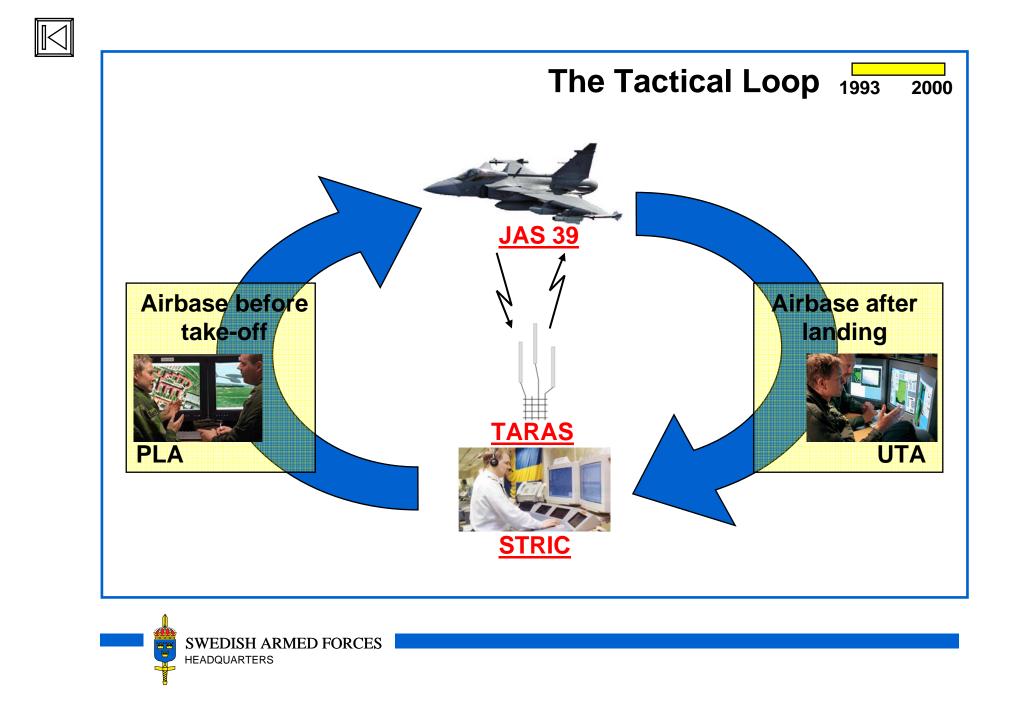




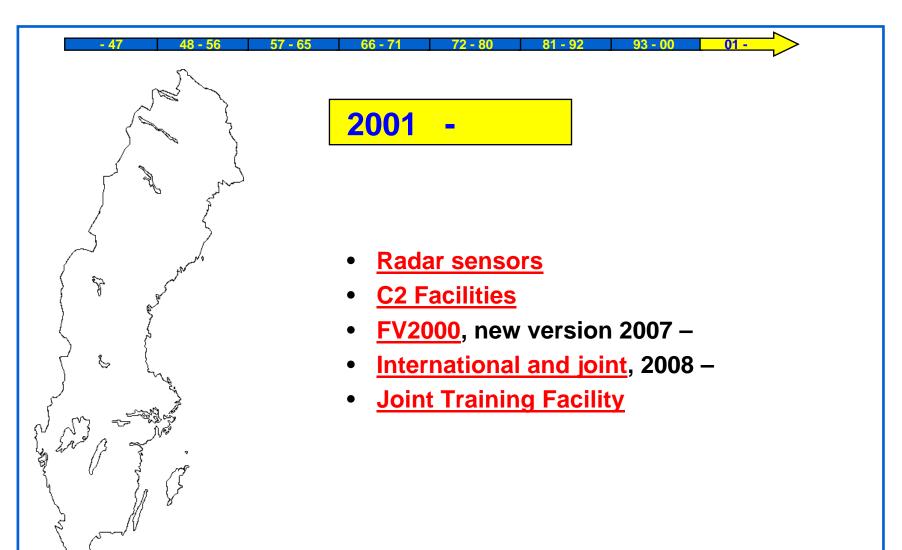






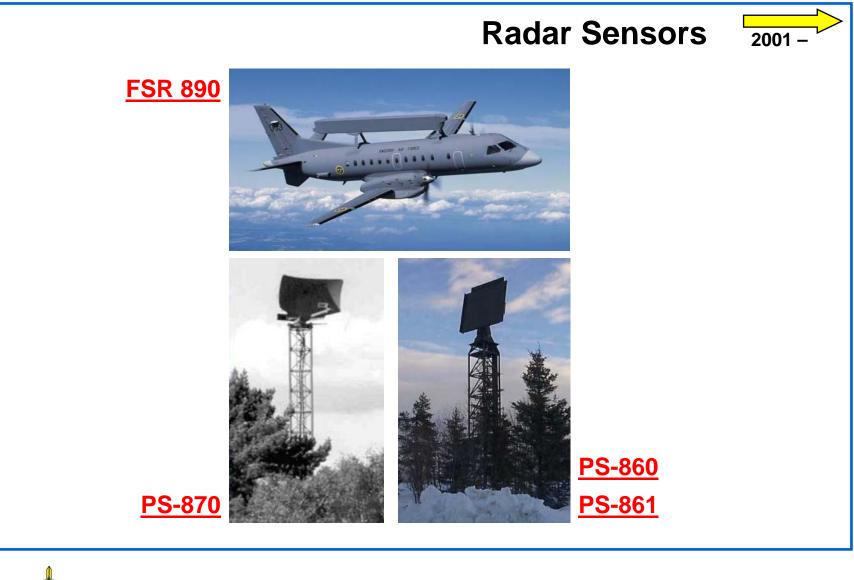






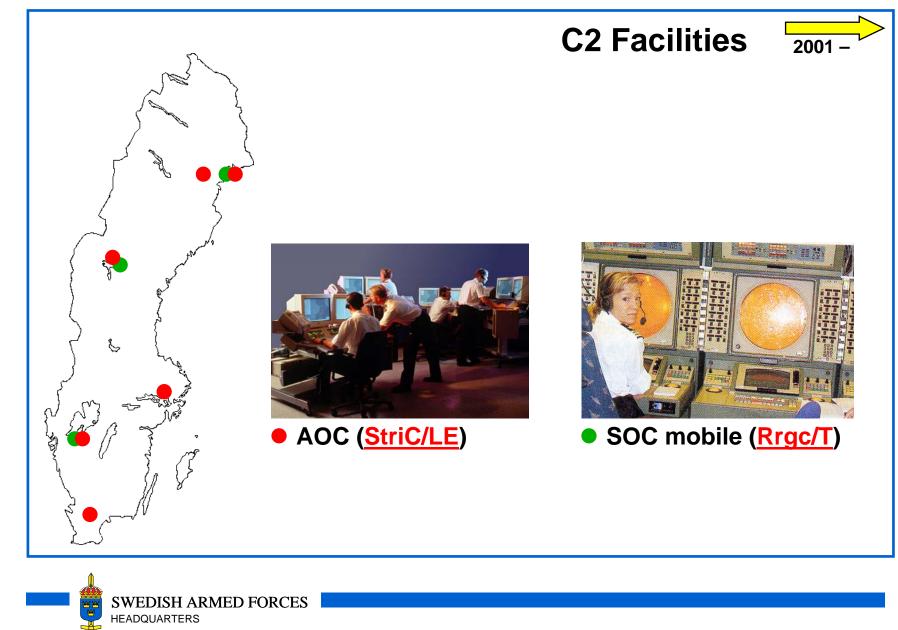






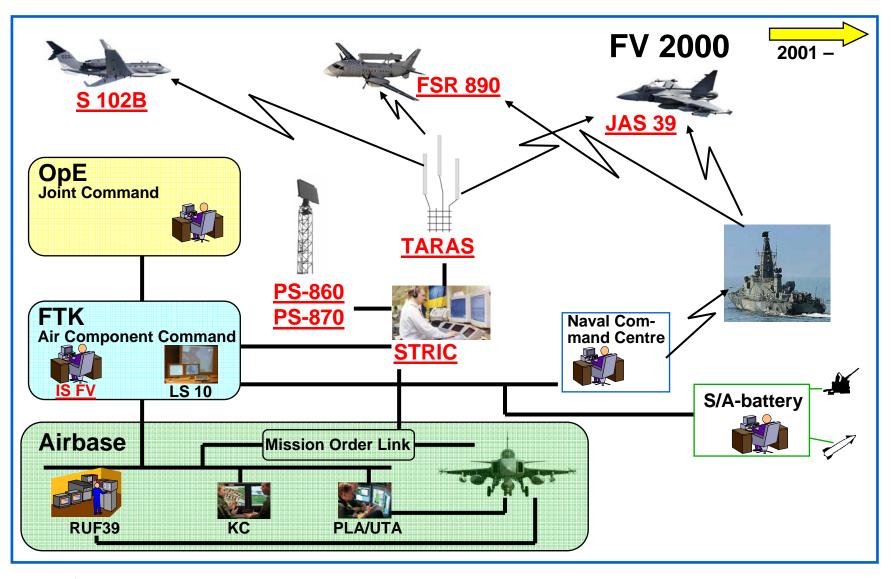






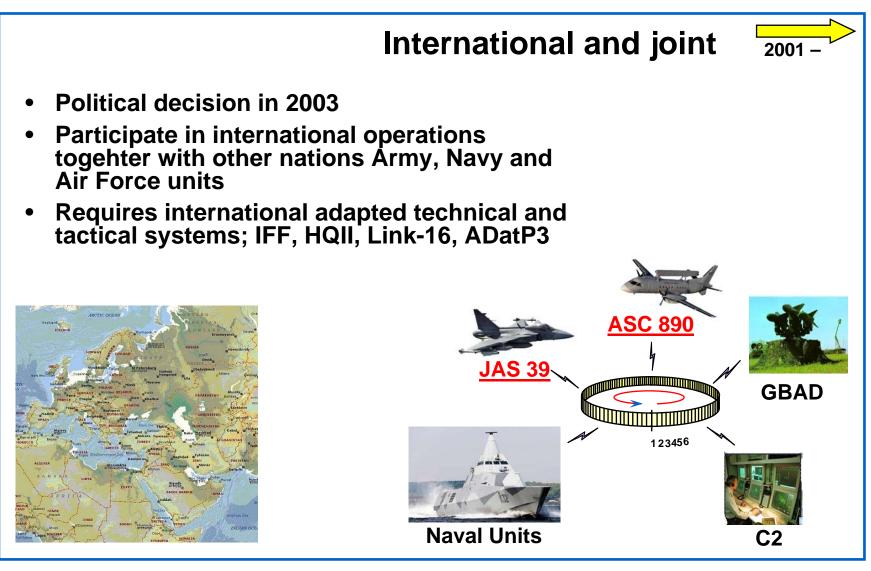
SWEDISH ARMED FORCES HEADQUARTERS



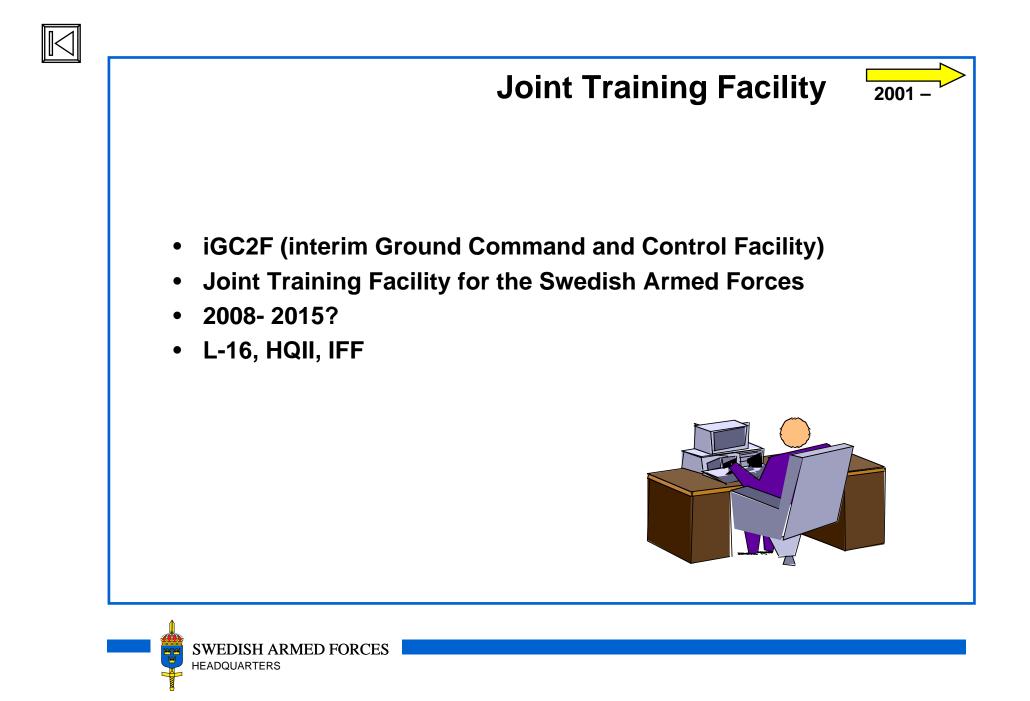


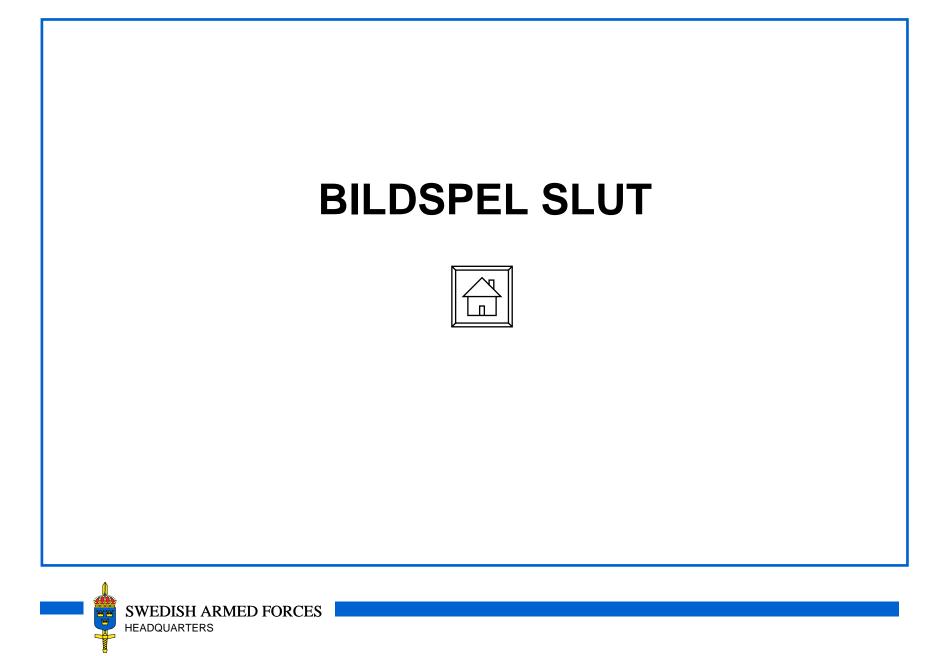






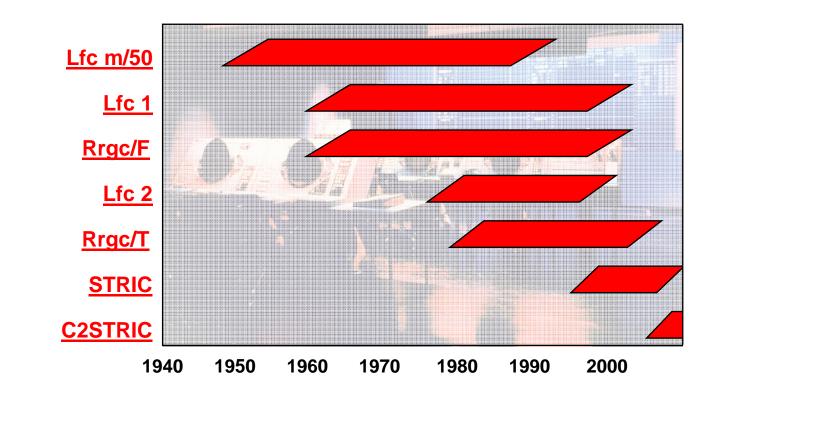




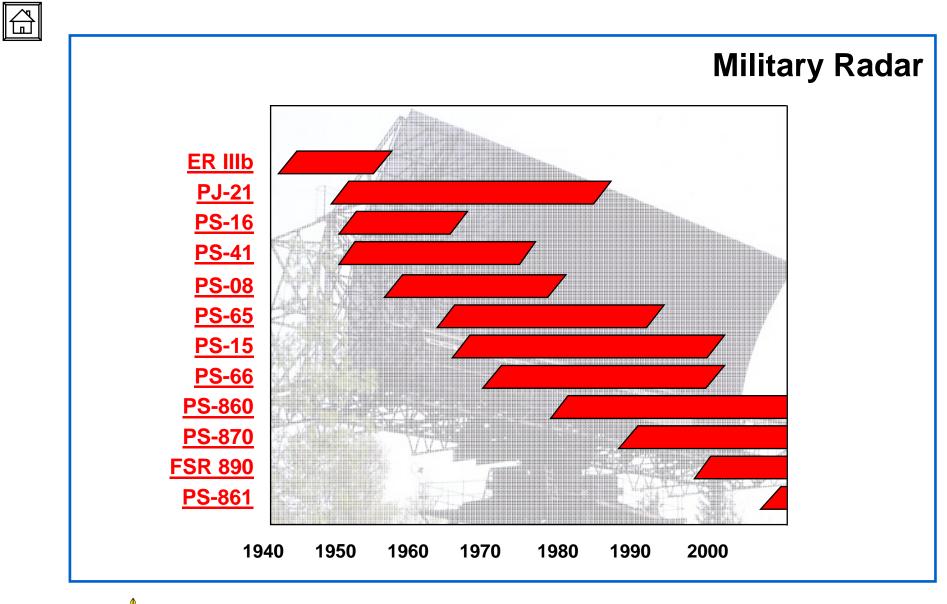






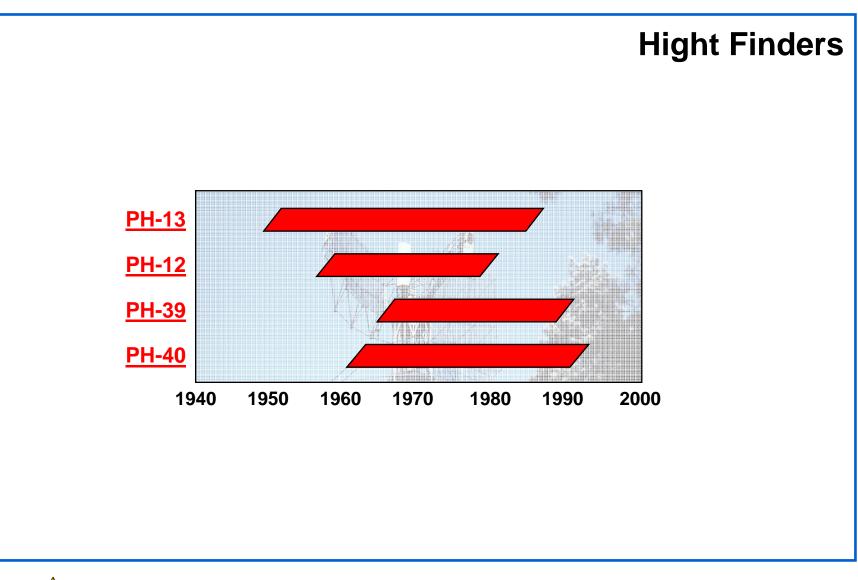






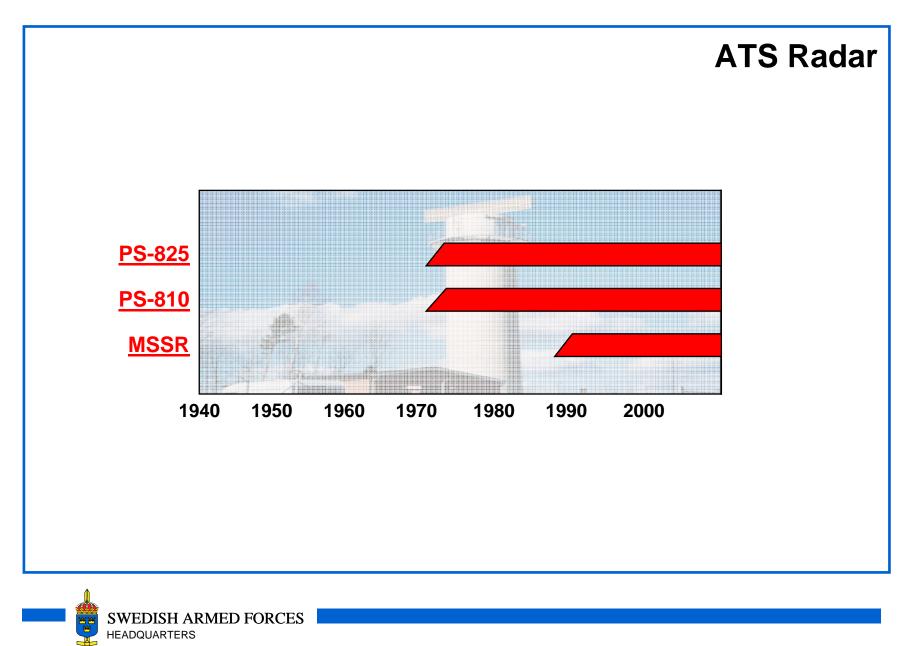




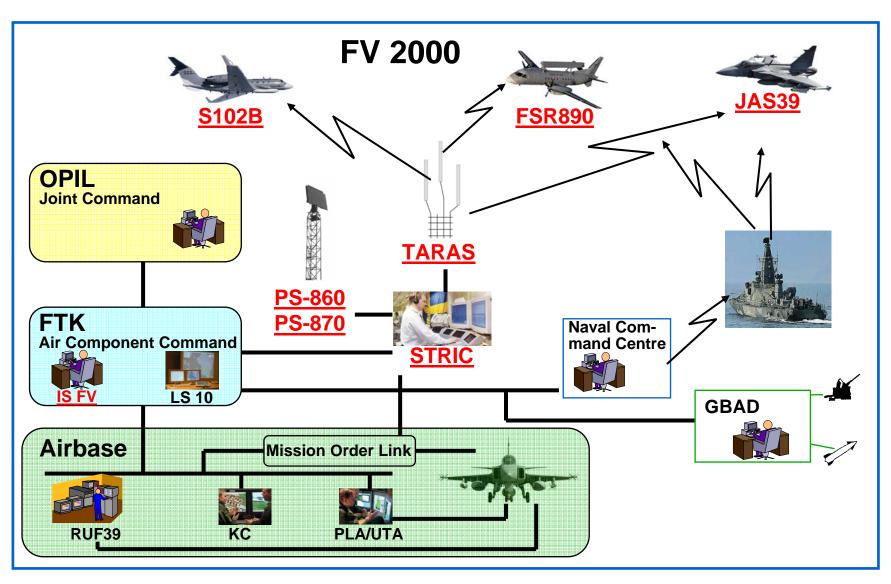




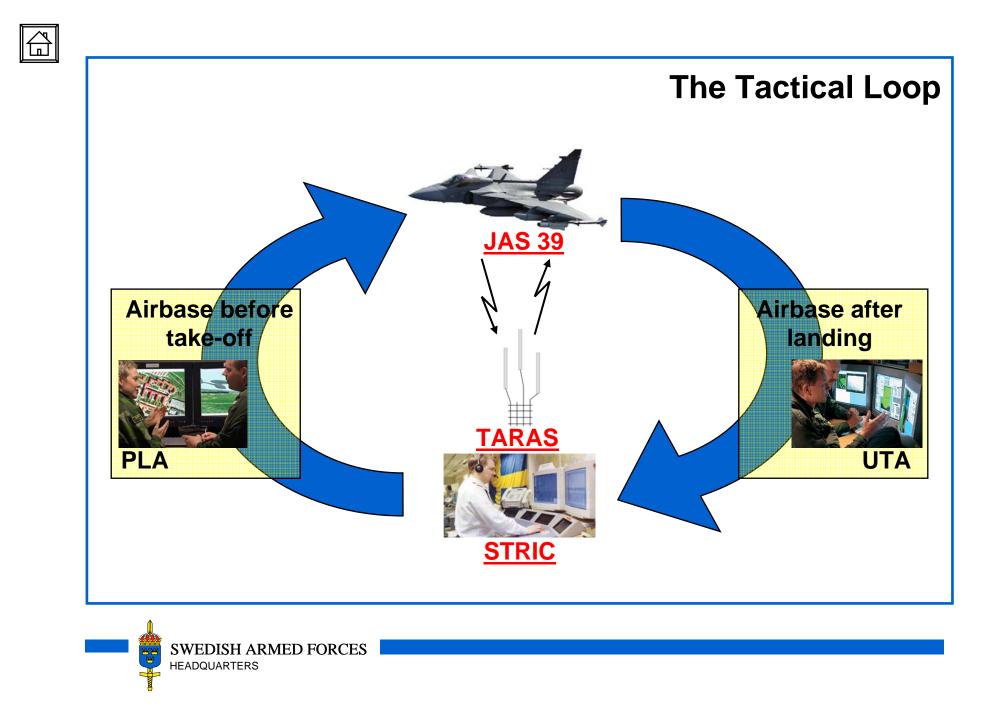




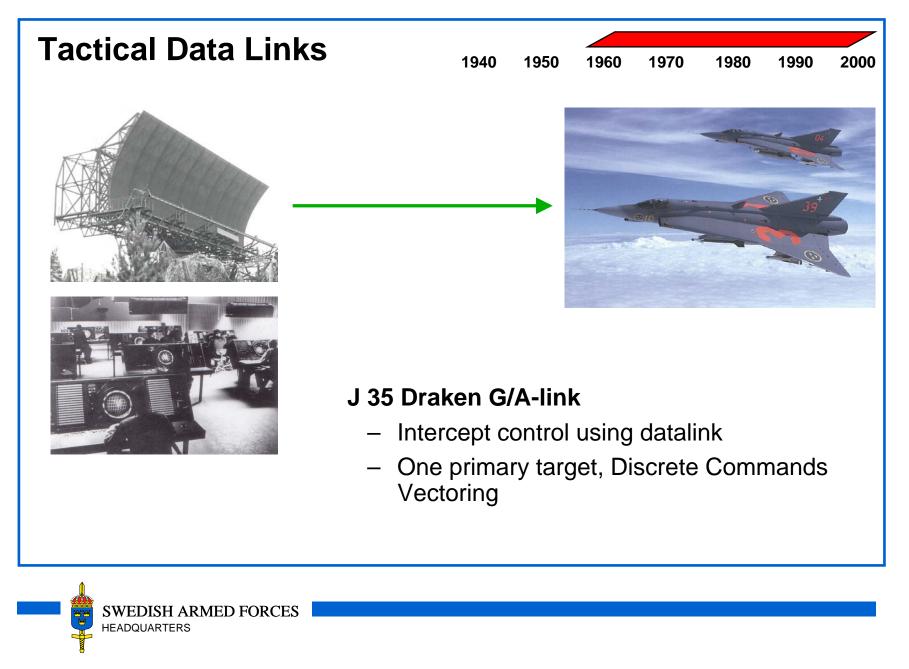














Tactical Data Links

1940 1950 1960 1970 1980 1990





2000

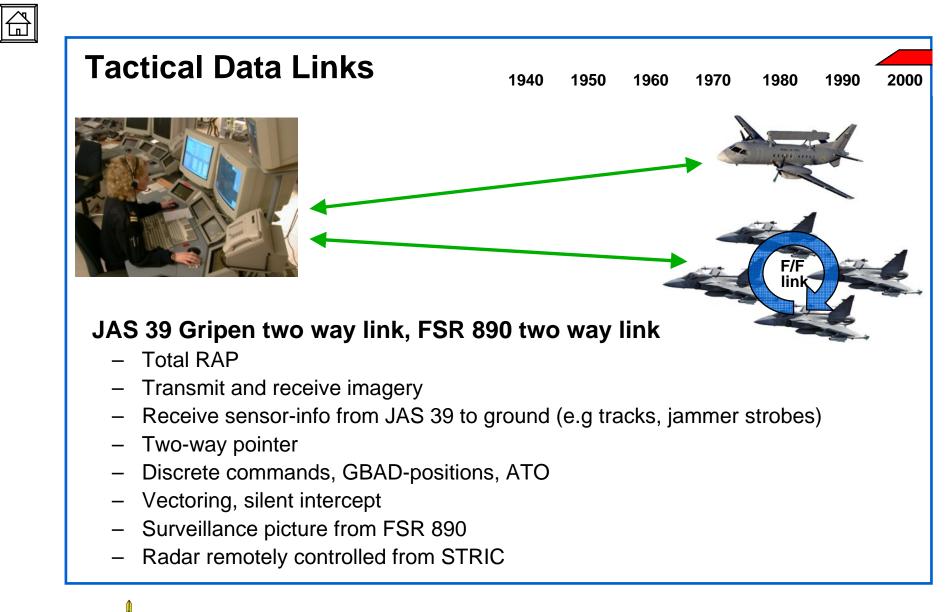
JA 37 Viggen G/A-link

- Intercept control using datalink
- One primary target, 4 Secondary targets
 Discrete commands, GBAD-positions,
 Pointer, Vectoring, Silent intercept

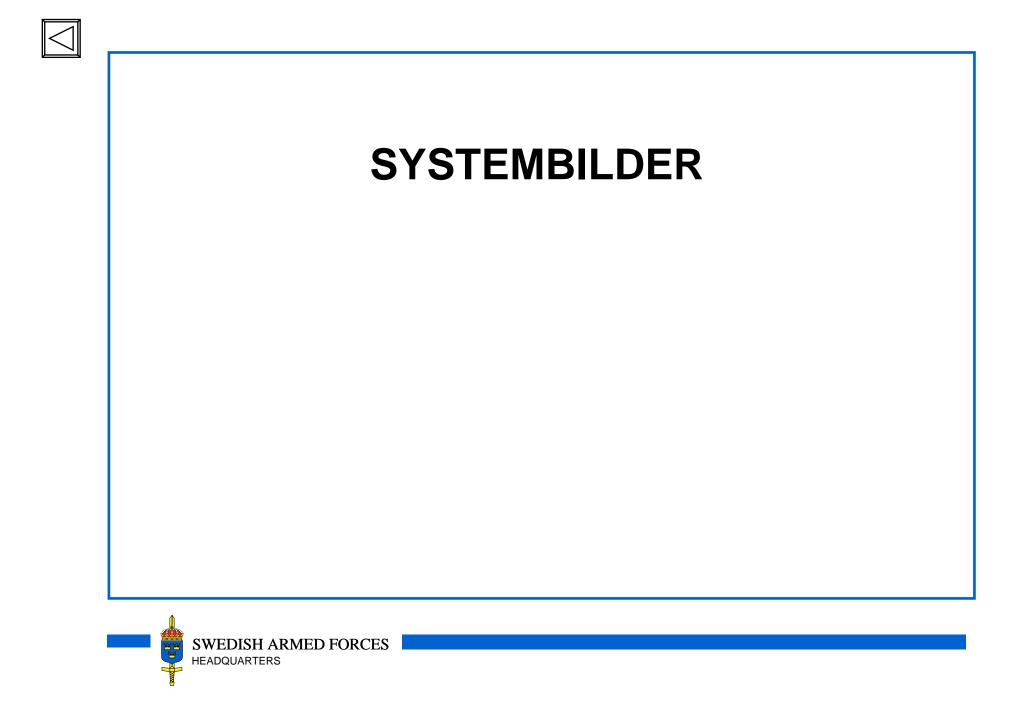
JA 37 Viggen F/F-link

- Engaged targets
- Combat status, Jammer strobe, Discrete commands











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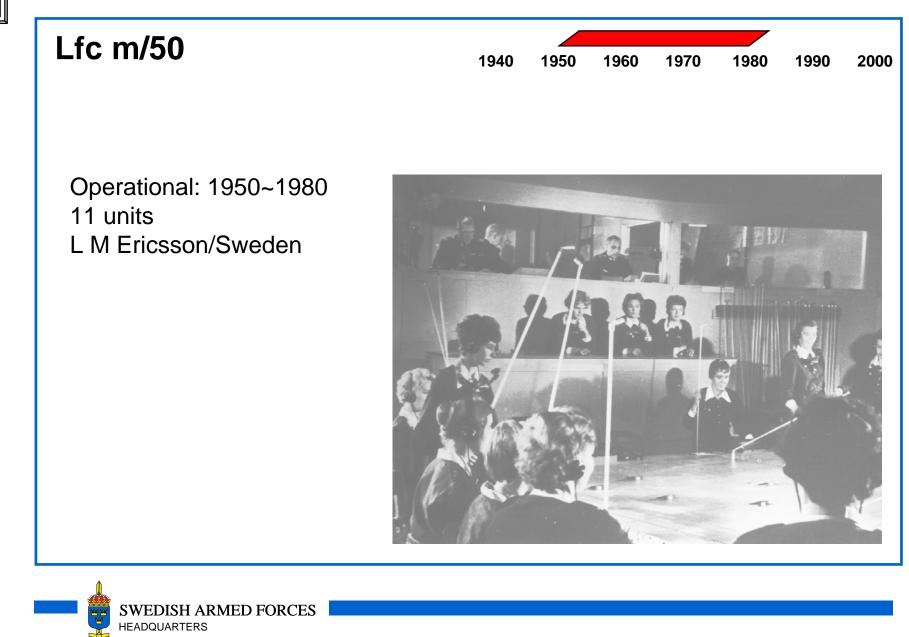
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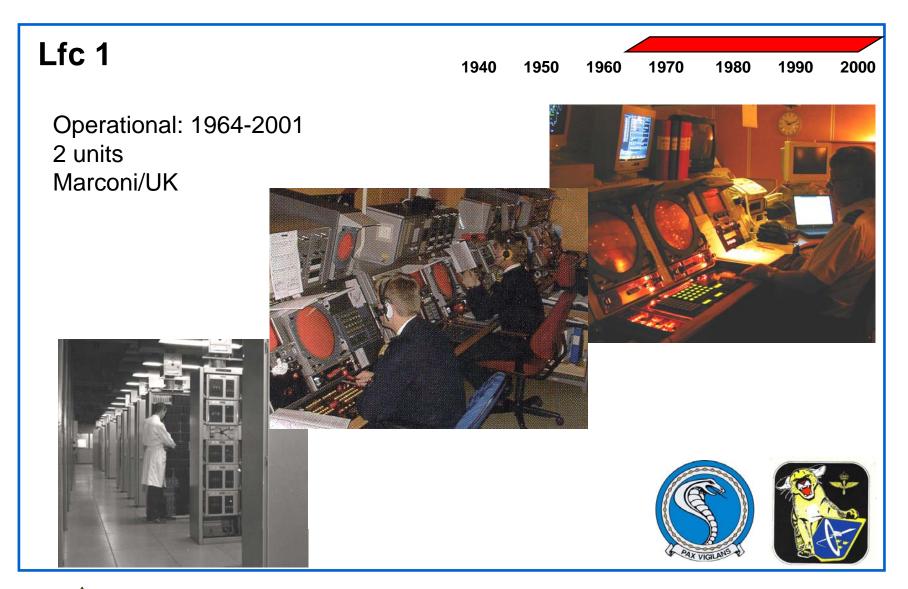






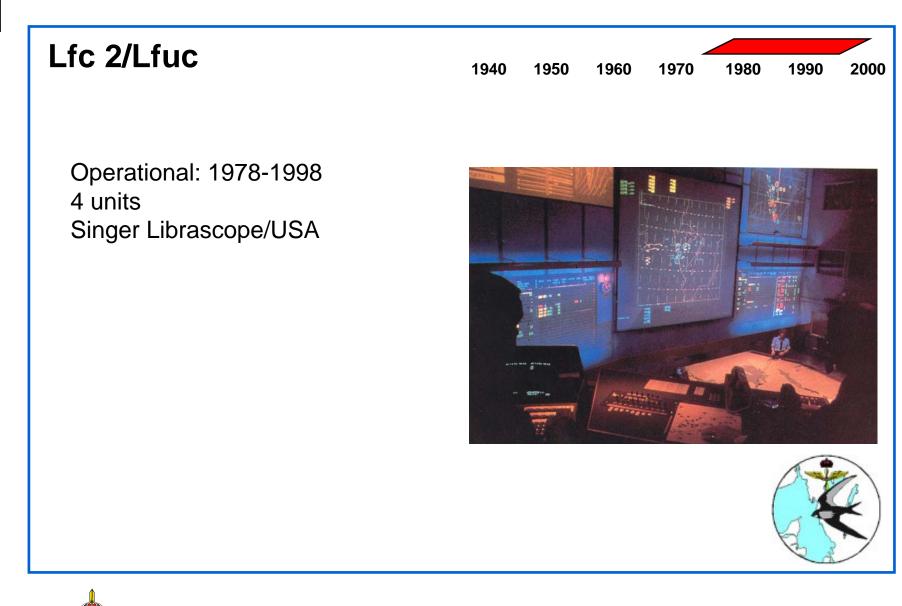




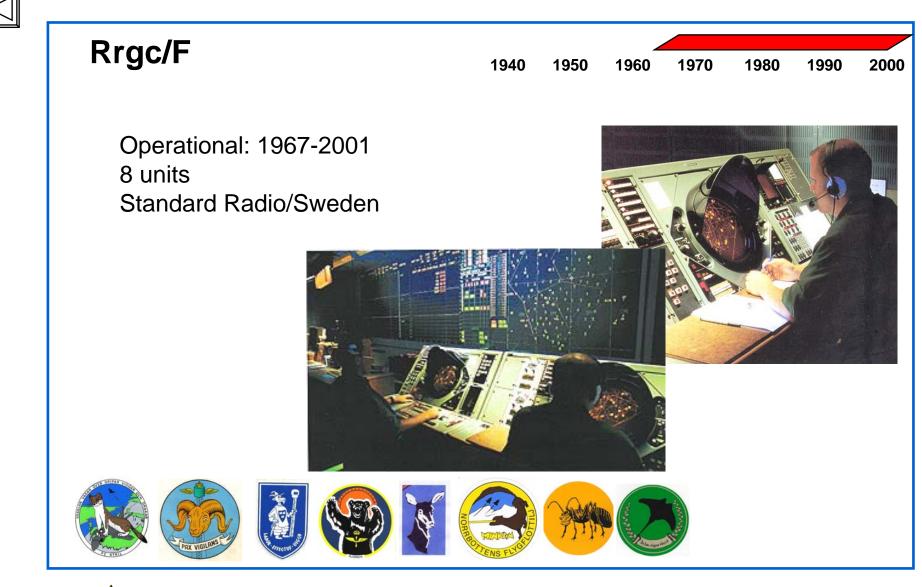






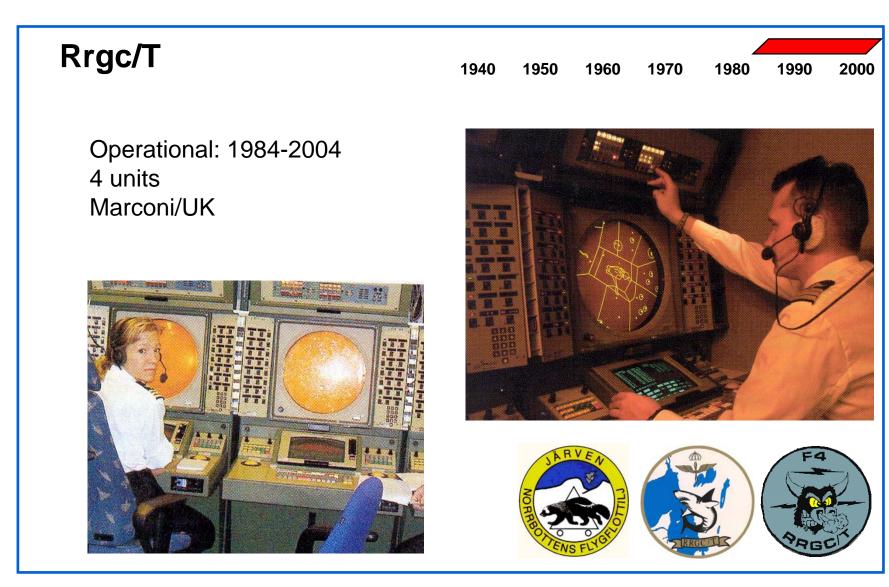






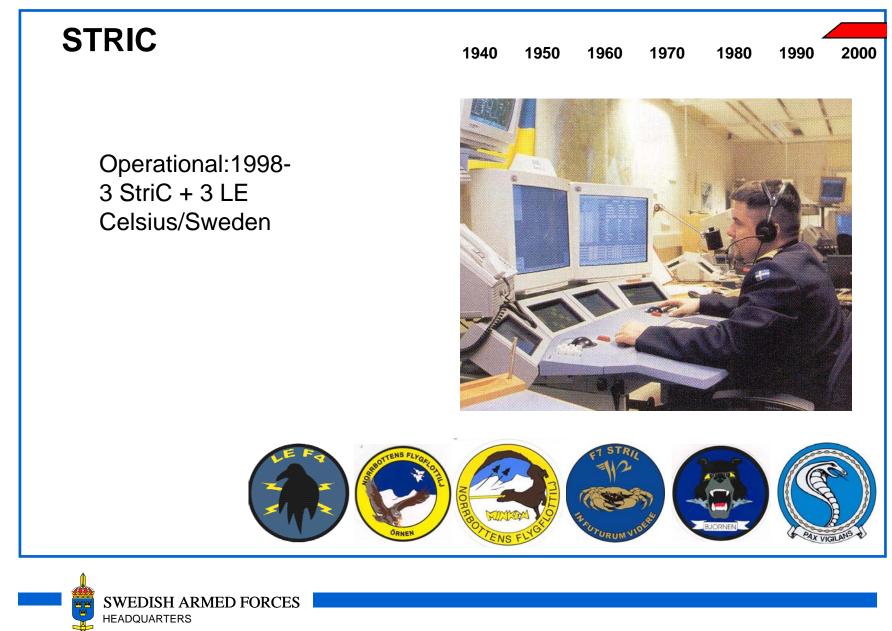




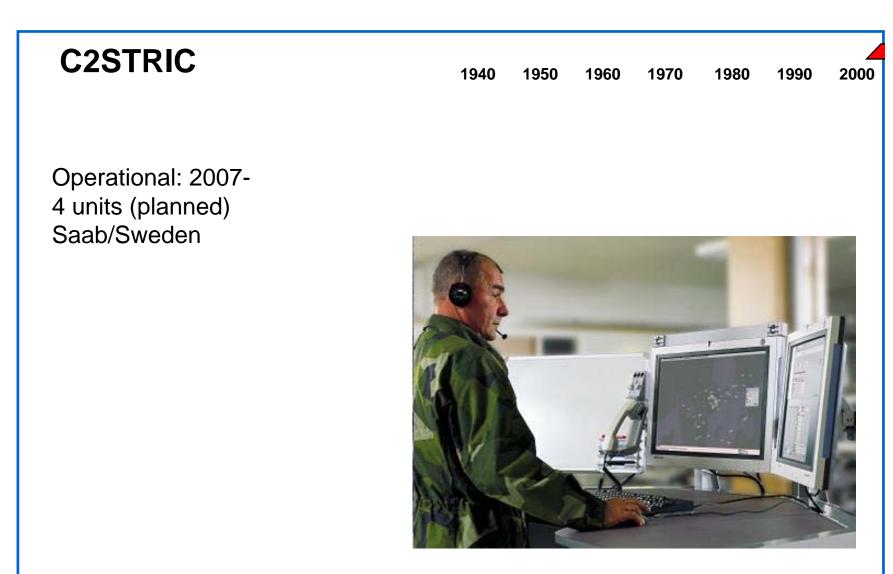




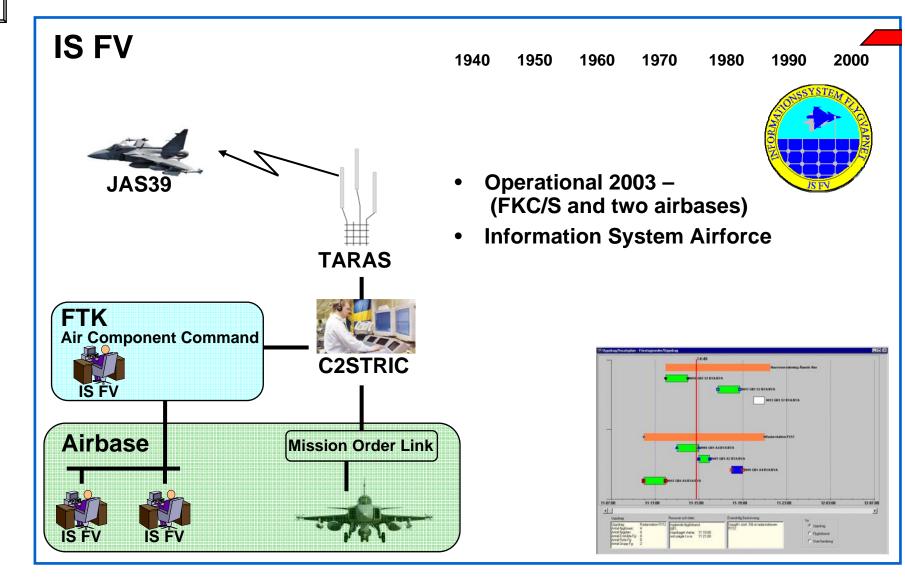






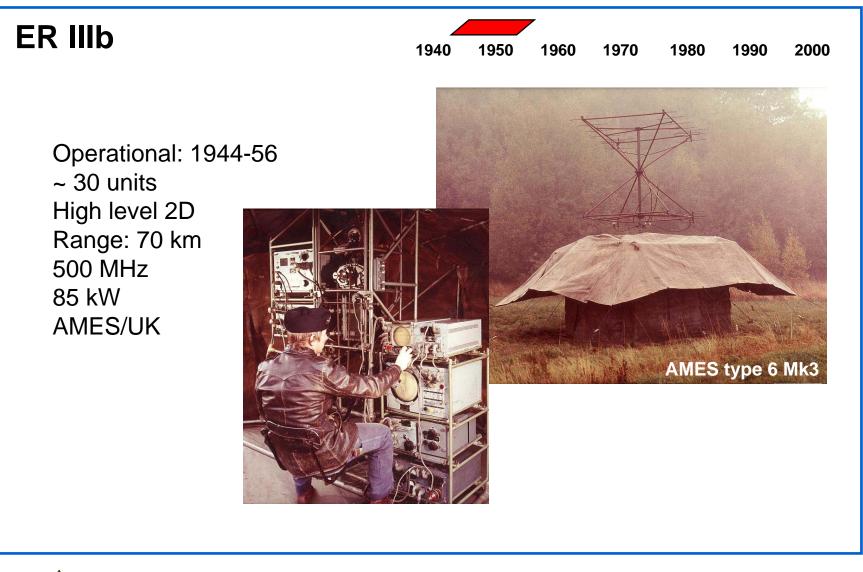






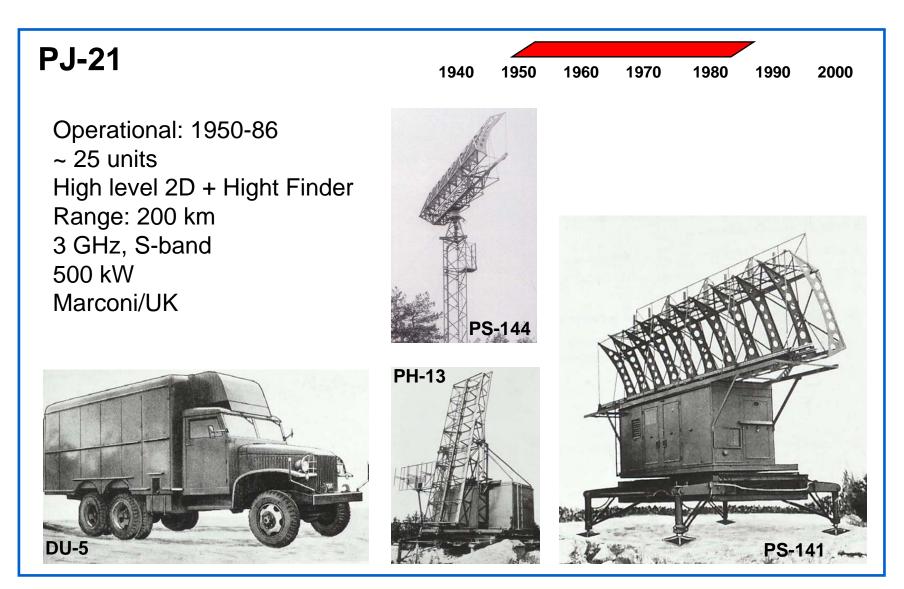






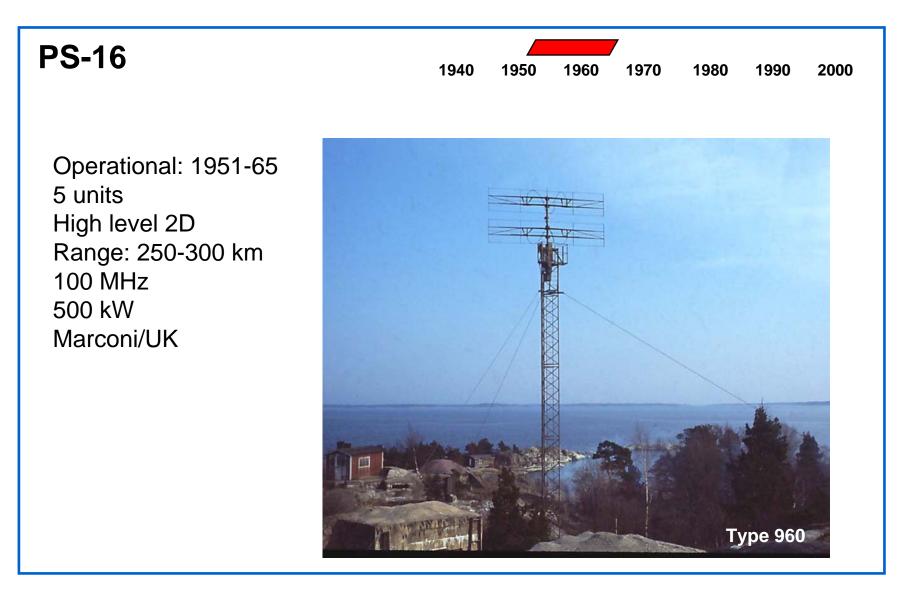






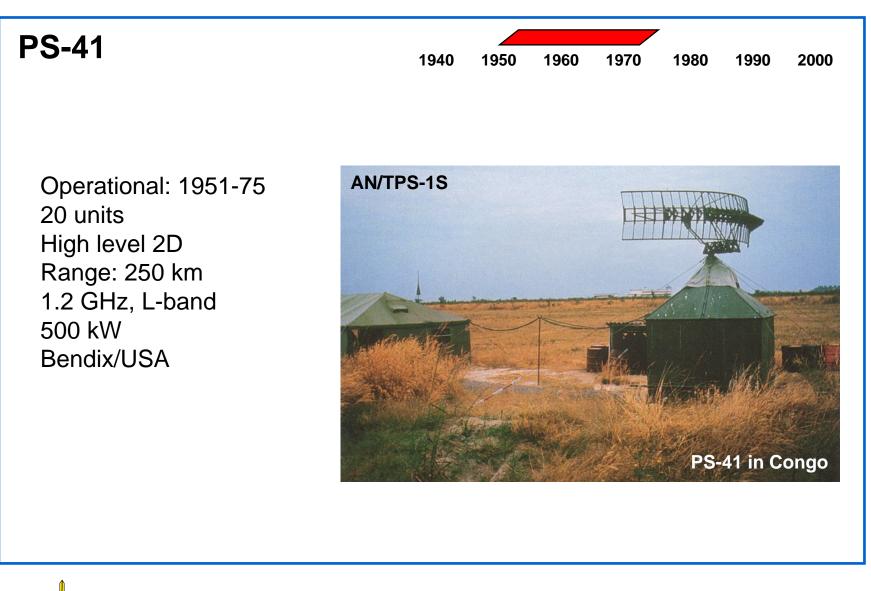






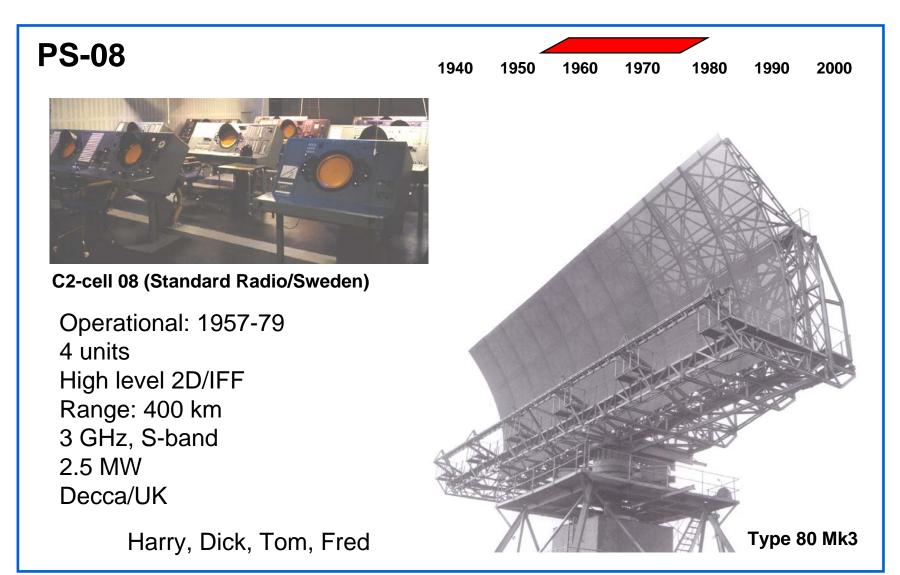






SWEDISH ARMED FORCES HEADQUARTERS







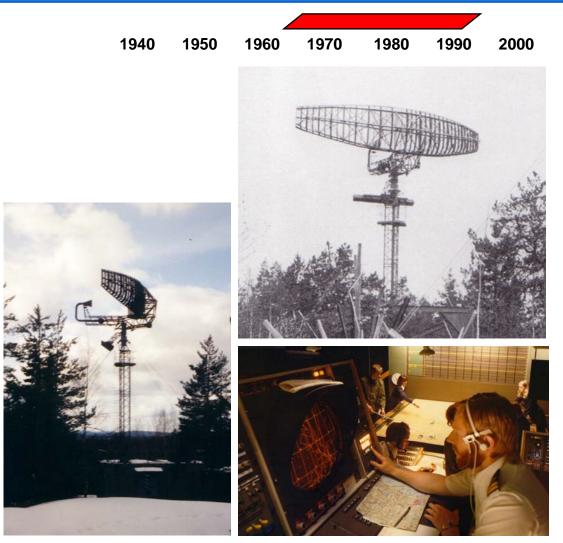


PS-65

Operational: 1965-93 9 units High level 2D/IFF Range: 300 km 1.3 GHz, L-band 2.3 MW CSF/France Antenna – Selenia/Italy



C2-cell 65 (Standard Radio/Sweden)

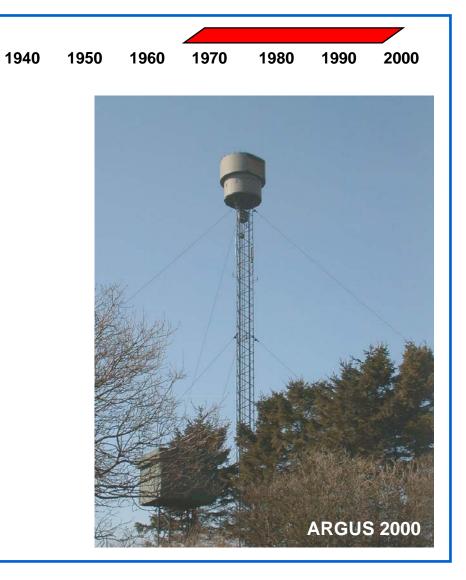






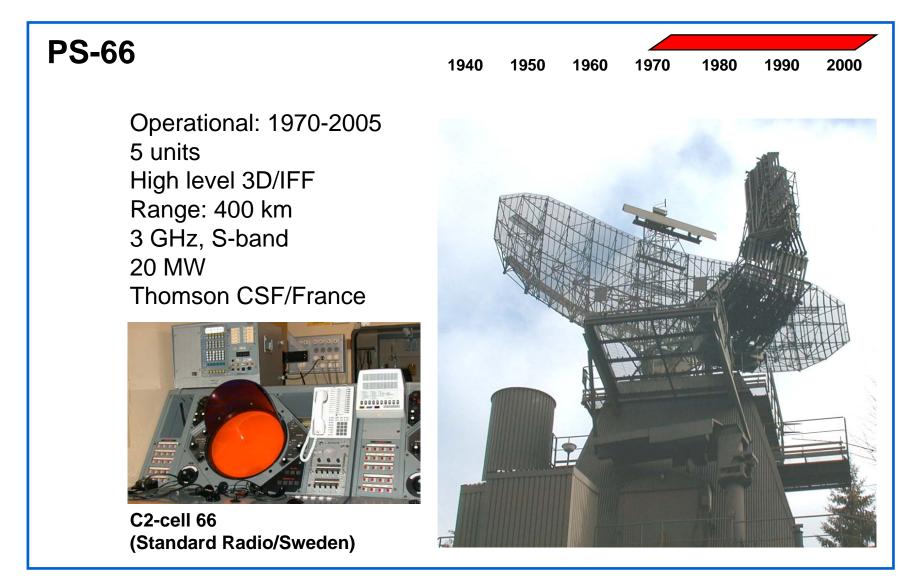
PS-15

Operational: 1967-99 15 units Low level 2D (4 hights)/IFF Range: 200 km 5.5 GHz, C-band 1 MW Selenia/Italy

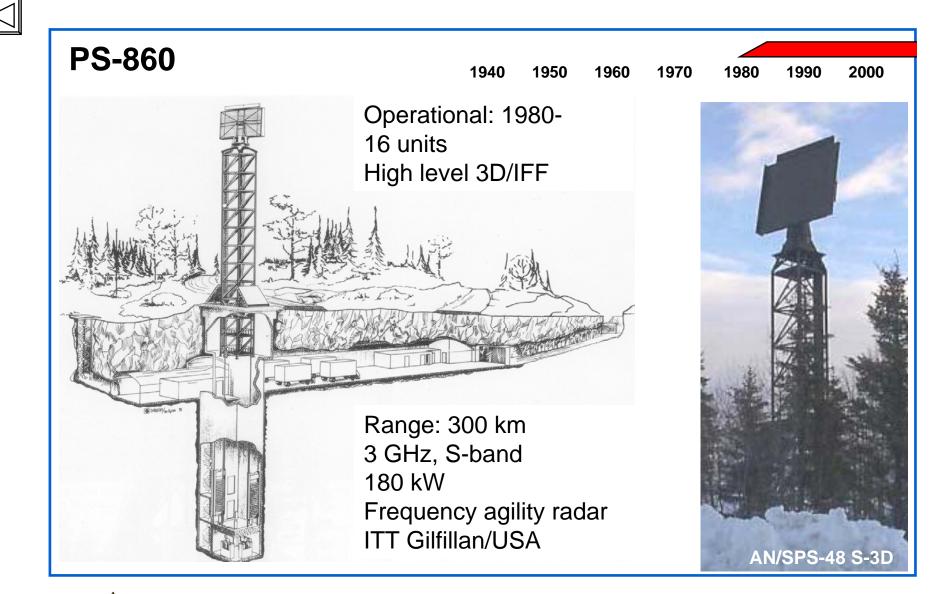






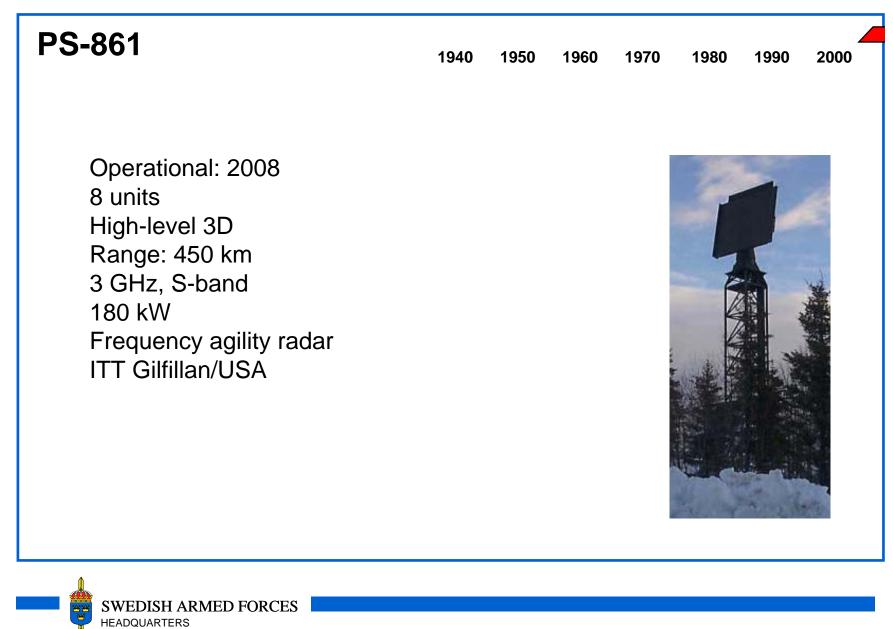




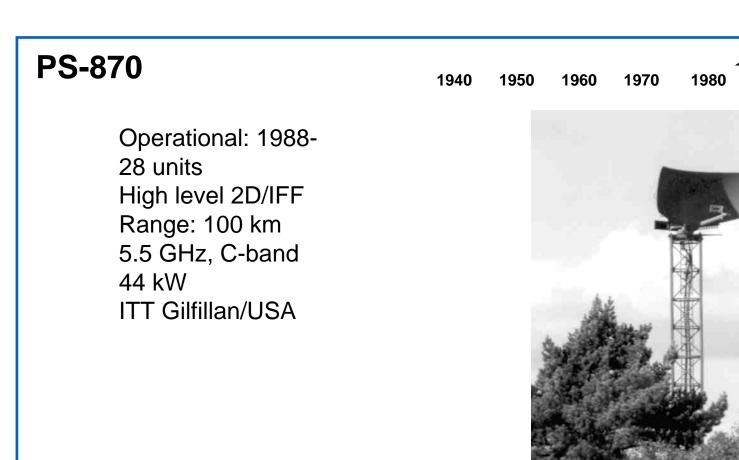












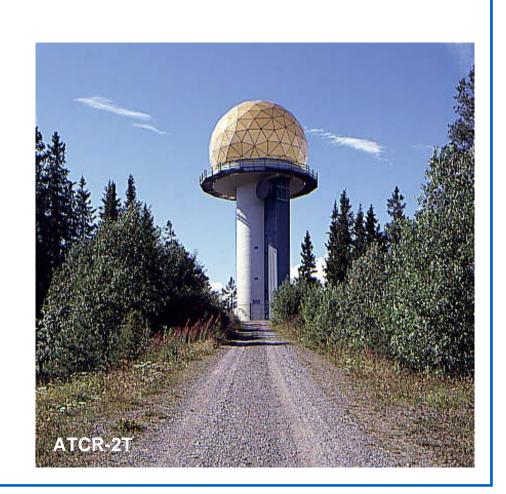




PS-810

1940 1950 1960 1970 1980 1990 2000

Operational: 1972-6 units High level 2D Range: 200 km 1 GHz, L-band 2 MW Selenia/Italy ATS radar



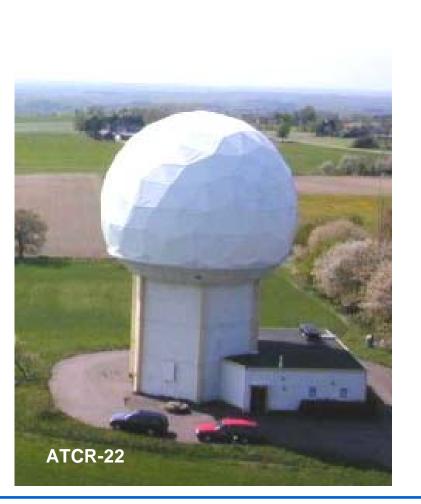




PS-825

1940 1950 1960 1970 1980 1990 2000

Operational: 1971-5 units High level 2D/SSR Range: 200 km 1 GHz, L-band 2 MW Selenia/Italy Civilian ATS radar



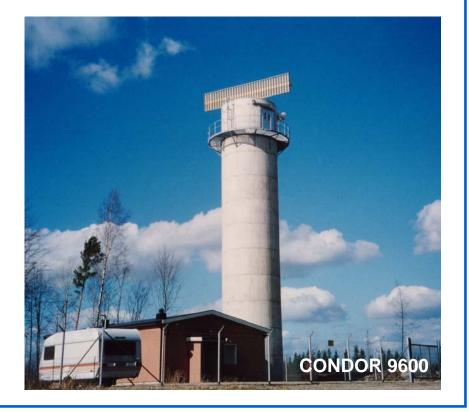




MSSR

1940 1950 1960 1970 1980 1990 2000

Operational: 1989-16 units Range: 500 km Cossor/UK Civilian ATS radar







FSR 890



1940 1950 1960 1970 1980 1990 2000
AEW
Operational 1998 6 aircrafts, 4 radarsystems
S 100B "Argus" (SAAB 340 AEW)
Greece, Brazil, Mexico, Paqistan

- PS-890 , "Erieye radar" (Ericsson Microwave)
- 2 GHz 4 GHz, S-band
- Long-range pulse doppler radar
- Including sea surveillance mode
- Radar remote controlled
- Multifunction workstations





ASC 890

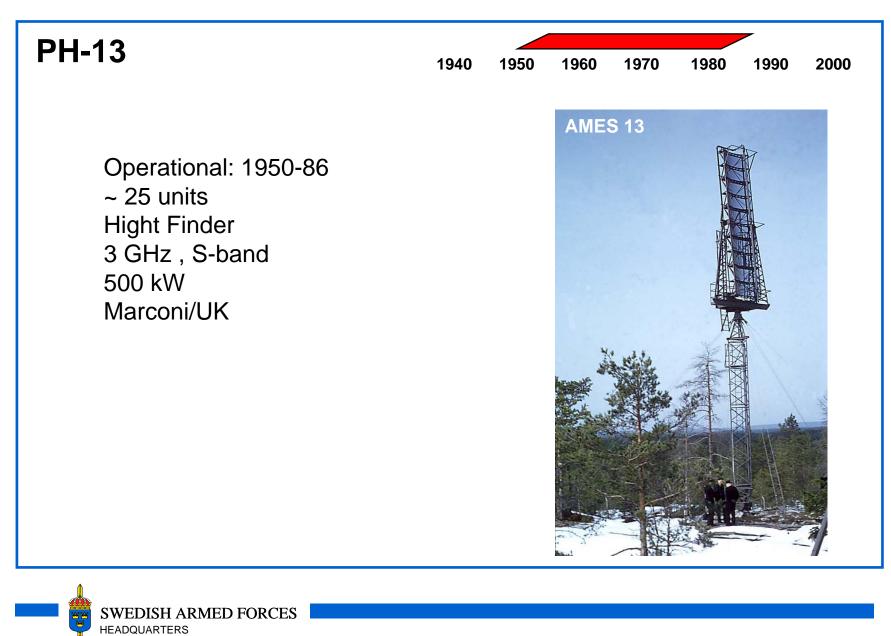
1940 1950 1960 1970 1980 1990 2000



- AEW
- Operational 2008 -
- 2 radarsystems
- S 100D "Argus" (SAAB 340 AEW)
- 3 Operators
- L-16, HQII, IFF



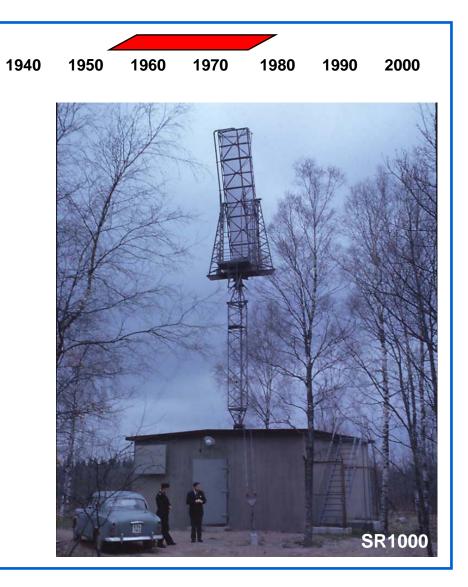






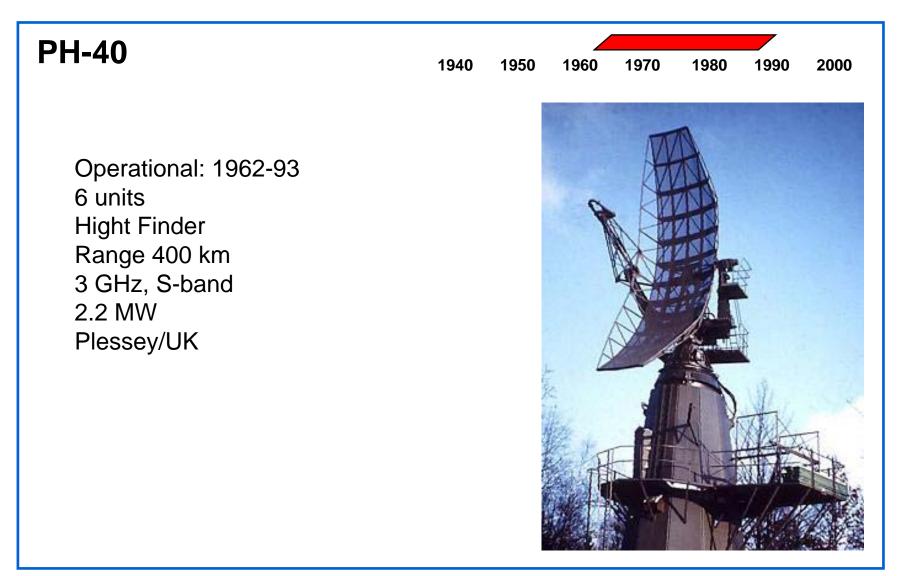
PH-12

Operational: 1957-79 4 units Hight Finder 3 GHz , S-band 2.5 MW Marconi/UK



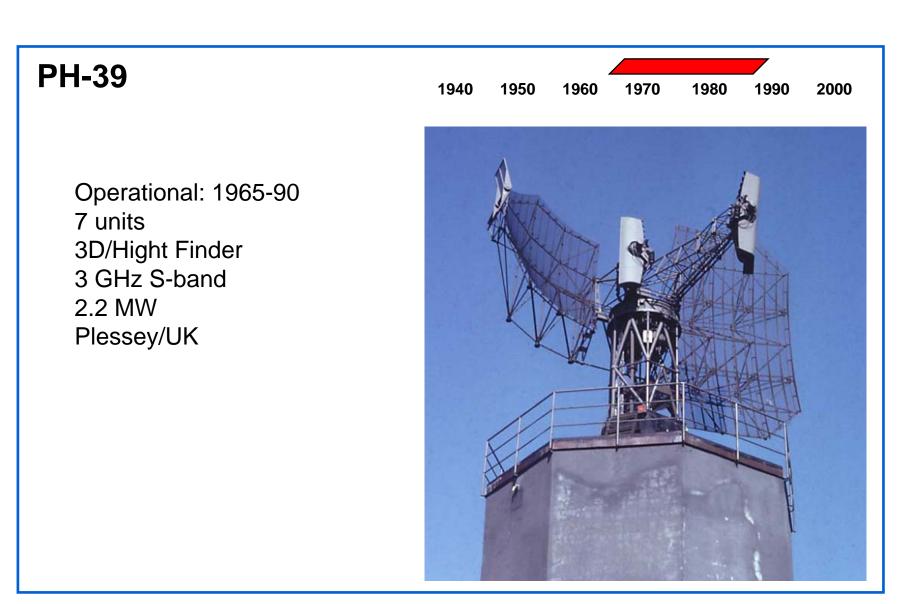




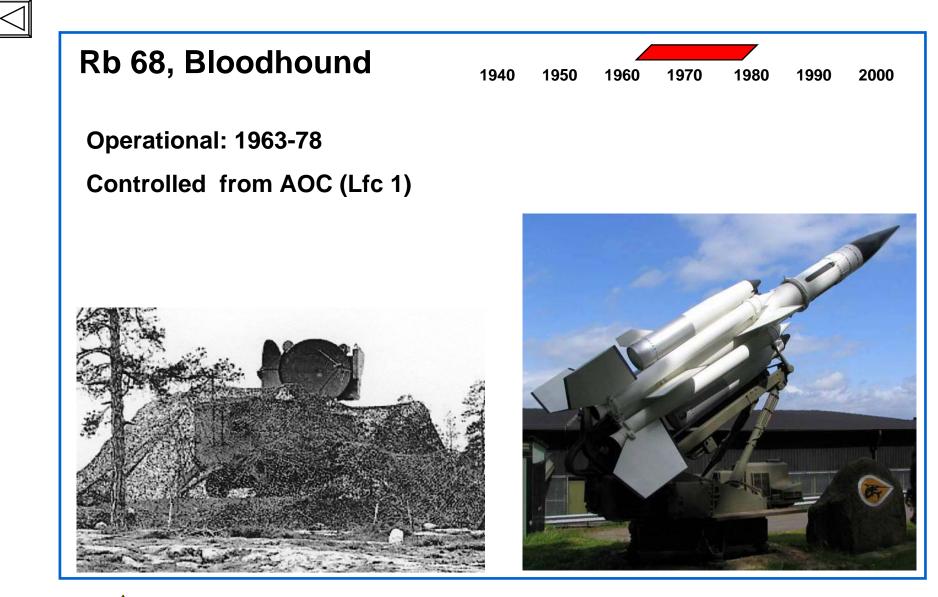
















TARAS



	1940	1950	1960	1970	1980	1990	2000
						L	
					F/F link		
Operationa	I 1995	-		-			
Tactical Ra	dio Sy	/stem					
Analog rad	io						
Digital radi	o, enc	rypted	1				
Secure voi	ce						Le te.
Mission or	der lin	k					1 Ste
Two way da	ata lin	k				E P	9
F/F link							
Relay funct	tion						
					- 2		





JAS 39 Gripen

1940 1950 1960 1970 1980 1990 2000

- Operational 1997 –
- Multi-role aircraft
- 4:th generation
- South Africa, Hungary, Czech Republic

- Long-range multi-purpose pulse doppler radar, PS-05
- Multi-target track-while-scan
- Multiple priority target tracking





