

OLD

FROM

YOUR RADAR

TO

NEW

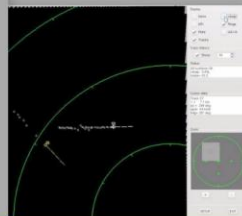
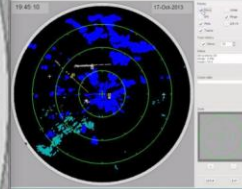
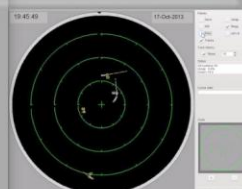
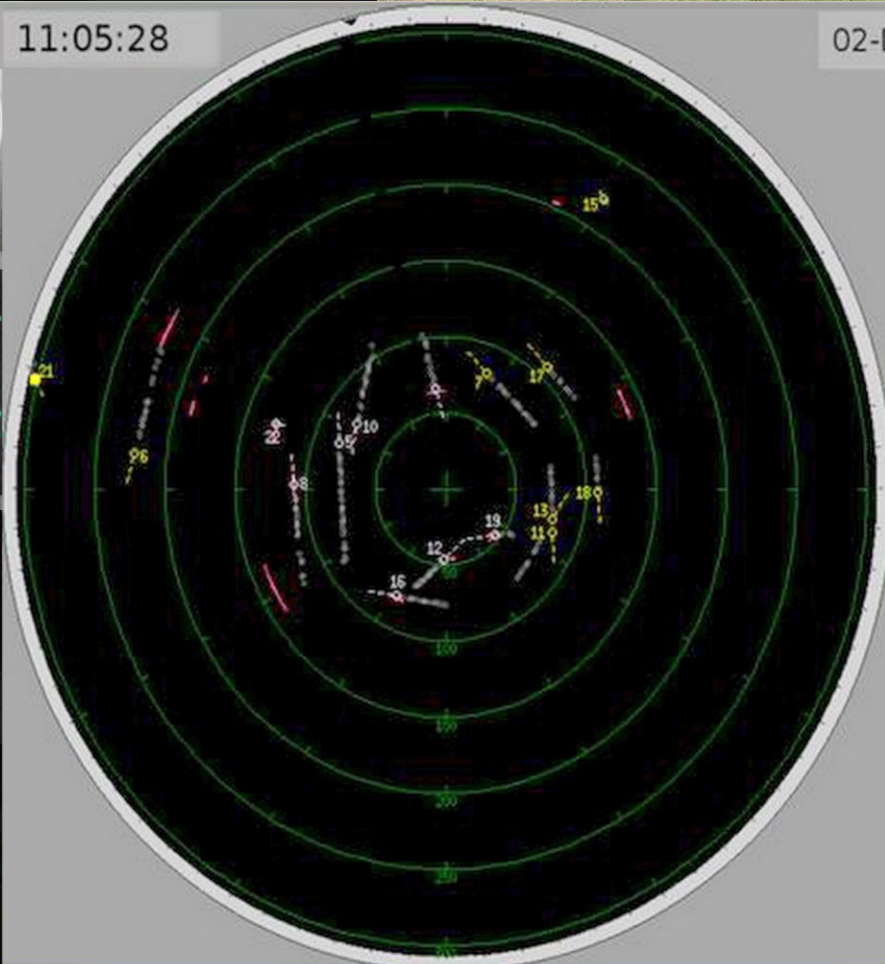
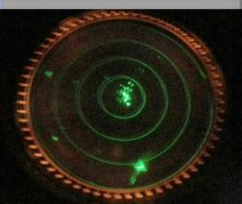
QUICKLY – CONTEMPORANEOUSLY – CREDIBLY – SIMPLY – FINANCIAL OBJECTIVELY



OLD

11:05:28

02-Dec-2014



Display

- Norm
- clmap
- MTI
- Rings
- Plots
- gAVA
- Tracks

Track History

- Show 50

Status

All systems OK
clmap: 0.0%
noise=-38.0

Cursor data

Track 21:
r = 301.9 km
az = 284 deg
spd= 393 km/h
hdg= 151 deg

Zoom

SETUP EXIT

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S.no.	2	Type	Mark		Tehmol.	Wave band		CHARACTERISTIC	
		transmitter	radar's		generat	Band	wavelen		
1	3	4	5	6	7	8			
1		magnetron	P-15 / P-15M	P-19 Flat Face	P-19 E Squat Eye	Analog	UHF	34,68 cm	The range (max), 300 km, <i>unreliable</i>
									Objective range, 80-120 km, <i>varying</i>
									Many failures in the reception area
									Constant adjustments during operation required
									Unstable synchronization
Indicator is to small and indication is to slow									
2		magnetron	P-12 (18-2)	P-12 (18 M)		Analog	VHF	64,51 cm	The range (max), 250 / 500 km, <i>unreliable</i>
									Objective range, 250 km
									Many failures in the reception area
									Constant adjustments during operation required
									Unstable synchronization
Indicator is to small and indication is to slow									
3		TWT	GIRAFFE M-85			Digital	C	5,263 cm	Target tracking range, 20 km
									Observation range, 40 km
									Capable of tracking, 3 targets - 3 operators
									Data transfer only to PPC
									Quite stable operation - 6 hours of continuous operation
4 transmit frequencies are available									
4		TWT	GIRAFFE S			Digital	X	3,12 cm	Target tracking range, 15 km
									Observation range, 40 km
									Capable of tracking, 3 targets - 3 operators
									Data transfer only to PPC
									Quite stable operation - 6 hours of continuous operation
5 transmit frequencies are available									
5			S-600			digital	L		The range, 237 km
									Height range, 30 km at 6 rotations / min
									Receiver operation problems
									Small targets detection problems
									Unreliable operation over time
SPC unreliable, unstable work									
6		TWT	AN-TPS			Digital	L	23,5 cm	Observation range, 150-220-300 km
									Setting up time, 50 min/4 soldiers
									Synchronicity, width 2µsec, ampl. +/- 2V
									Height range 12.2 km, target 1m ² - 90%
									MTI Factor, stag 60db, 35db weather dist.
Unreliable electronics, many failures									
7		Magnetron	PRV-9	PRV-11		Analog	S	11,1 cm	Slant range, 400 km
									Detection height range, 85 km
									Old electronics, many failures
									Many operational problems in receiver area
									Constant adjustments in operation required
Stability of operation - unreliable									
8	Other radars Russian production								All types of transmitters, antenna rotation 2-60 rot/min
9	Other radars west production								All types of transmitters, antenna rotation 2-60 rot/min
10	Other radars of all production								All types of transmitters, antenna rotation 2-60 rot/min

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CHARACTERISTIC	Wave band		Tehno.	Mark		Type	S.no.	
	wavelen	Band	generat	radar's		transmitter		
8	7	6	5	4				
Range of 300-360 km, multi-target tracking (up to 500) - without interruption	34,68 cm	UHF	Digital	P-15 / P-15M	P-19 Flat Face	P-19 E Squat Eye	magnetron	1
Reliable (100%) tracking of all displayed targets								
Continual - current tracking data for 1-10 targets/ every antenna rotation								
Selection from several possible levels of target data								
Total – immediate control of operation of all station elements								
REMOTE CONTROL Operation (up to 500 m)								
Range of 300-360 km, multi-target tracking (up to 500) - without interruption	64,51 cm	VHF	Digital	P-12 (18-2)	P-12 (18 M)		magnetron	2
Reliable (100%) tracking of all displayed targets								
Continual - current tracking data for 1-10 targets/ every antenna rotation								
Selection from several possible levels of target data								
Total – immediate control of operation of all station elements								
REMOTE CONTROL Operation (up to 500 m)								
Range of 40 (60) km, multi-target tracking (up to 500) -without interruption	5,263 cm	C	Digital	GIRAFFE M-85			TWT	3
Reliable (100%) tracking of all displayed targets								
Continual - current tracking data for 1-10 targets/ every antenna rotation								
Selection from several possible levels of target data								
Total – immediate control of operation of all station elements								
REMOTE CONTROL Operation (up to 500 m)								
Range 40 (60) km, multi-target tracking (500) -without interruption	3,12 cm	X	Digital	GIRAFFE S			TWT	4
Reliable (100%) tracking of all displayed targets								
Continual - current tracking data for 1-10 targets/ every antenna rotation								
Selection from several possible levels of target data								
Total – immediate control of operation of all station elements								
REMOTE CONTROL Operation (up to 500 m)								
The range of 300-400 km, multi-target tracking (500) -without interruption		L	digital	S-600				5
Reliable (100%) tracking of all displayed targets								
Continual - current tracking data for 1-10 targets/ every antenna rotation								
Selection from several possible levels of target data								
Total – immediate control of operation of all station elements								
REMOTE CONTROL Operation (up to 500 m)								
The range of 300-500 km, multi-target tracking (up to 500) -without interruption	23,5 cm	L	digital	AN-TPS			TWT	6
Reliable (100%) tracking of all displayed targets								
Continual - current tracking data for 1-10 targets/ every antenna rotation								
Selection from several possible levels of target data								
Total – immediate control of operation of all station elements								
REMOTE CONTROL Operation (up to 500 m)								
The range of 400-600 km, multi-target tracking (up to 500) -without interruption	11,1 cm	S	Digital	PRV-9	PRV-11		Magnetron	7
Reliable (100%) tracking of all displayed targets								
Continual - current tracking data for 1-10 targets, every antenna rotation								
Selection from several possible levels of target data								
Total – immediate control of operation of all station elements								
REMOTE CONTROL Operation (up to 500 m)								
Possibility of parallel operation, or just DEPED as a substitute for all sets							VHF→X	
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ADVANTAGES

SOLUTION

- Modernization set, DEPED is a modern unique hardware/software technical solution
 - Modernization is a fundamental one and it brings your radar performances to the second decade of the 21st century
 - Modernization set is fully complete (hardware, software, power supplies, cables...), tested and ready to work immediately after implementation. The only requirement is a fully functional transmitter of your radar
 - Additional setups are not required
 - Modernized radar operators are provided with a user-friendly interface. Procedure setup has to be complied with, so a fatal operators error is not possible
 - Hardware/software solution integrates to a maximum extent the requirements of functionality and operational/combat use
 - Technical solution for modernization is impressive at first sight, especially in traditional radars. The radar becomes an acquisition radar (tracks all displayed targets, compatible with all modern management cabins).
It also supports command hierarchy
 - Absolute reliability in target tracking on display with continual definition (distance, azimuth, speed...) is achieved
 - Data related to targets and operator actions are stored in memory for potential later analysis
- Important:** If the user intends to create their own integrated air/missile defence (**IAMD**), single integrated air picture (**SIAP**) is the first step. DEPED solution is right choice to start with.

DEADLINES

- In modernization procedures, buyer's radar will be out of operation for one (1) day only.
- Within maximum 5 days implementation, training and commissioning are completed

SUPPORT

- 1 year guarantee will be offered, unless otherwise agreed
- Operational readiness is ensured by replacing a faulty device with a new one
- Buyer will have full support and priorities for a prolonged period of time, not less than 1+5 years

PRICES

The prices are objective, depend on the quantity and real costs. They do not, not correspond to the cost/benefit principle or prices of new radars with similar performances.

CONTACT US FOR ADDITIONAL DATA AND PRESENTATION ON YOUR RADAR



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