



# TRASA-M

STAND-ALONE MOBILE  
SECONDARY RADAR



**UKROBORONPROM**

Ukrainian Defence Industry



**ISKRA**

STATE ENTERPRISE «SCIENTIFIC  
AND PRODUCTION COMPLEX

# TRASA-M

## STAND-ALONE MOBILE SECONDARY RADAR

The solid-state stand-alone mobile secondary radar with the phased antenna array operates under standards of both the nato IFF system Mk XA (Mk XII), "Parol" identification system and international ATC system RBS.

The radar is designed to issue radar data to units of radio-technical troops of air forces, AAMT of air forces, ground forces air defence troops as well as to ATC services.

### MAIN SPECIFICATIONS



#### FEATURES OF SMSR:

- automatic detection of airborne objects;
- automatic capture and tracking of airborne objects;
- possibility of receiving additional flight data in IV and VI modes of "Parol" system is provided by equipment of radar;
- RBS-band phased antenna array and "Parol" based phased array;
- solid-state transmitter for RBS system;
- high-efficient computing means for primary and secondary data processing based on FPGA and industrial computers;
- automatic BITE system with fault indication for each LRU;
- while interacting with advanced radars P-18, 19ZH6M, 35D6M and 36D6M the conformity of the identification and detection plots is realized by software tools.



#### MAXIMUM RADAR OPERATION LIMITS:

■ in range	2...360 km
■ in azimuth	360°
■ in elevation	0,5...45°
■ in altitude	25 km

#### RMS ERROR IN COORDINATE DETERMINATION:

■ in range	≤ 100 m
■ in azimuth	12'

#### TRACK INFORMATION QUALITY:

■ track factor	0,98
■ false track factor	0,0001
Throughput, tracks	≥ 250
Output information	track
Data read-out and transfer	Automatic via DTE



Consumption  
power, kW

8



Number of  
transport units

1



Deployment/  
closing time, min

30/30



Power supply  
380 V X 50 HZ  
OR  
DIESEL-GENERATORS



Transportation  
RAILWAY 1-T,  
AIR "IL-76",  
C-130 "HERCULES"



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