

TATRAPAN AD - MOBILE COMMAND CENTER

MLV3213

CSA952

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TATRAPAN AD is a mobile AD system designed for command and control of SAM units in real time.

System configuration:

TATRAPAN AD consists of a hardware set mounted into armoured container located on a chassis of TATRA 815 6x6 vehicle and equipped with:

- Communication equipment for
 - data/voice communication with higher command level
 - data/voice communication with subordinated firing units
 - data/voice communication with local radar network
 - air/ground voice communication
- Air conditioning
- NBC protection
- Power generator
- Shelter resistant to antipersonnel gun penetration

TATRAPAN AD was designed as a joint project of several companies. The following description refers to TATRAPAN AD capabilities provided by ALES.

Workplaces and Modules:

TATRAPAN AD is fitted with:

- Commander workstation
- Chief of Staff workstation (commander back-up workstation)
- Air Force liaison officer workstation
- Multiradar data processing equipment
- Supervisor workplace with communication and other equipment
- Data/voice recording device.

System capabilities:

- plot/track data receipt from PSR / SSR and/or Air Defence multi-radar network
- secondary and tertiary (multiradar) processing of radar data
- recognized air picture display at commander/chief of staff workstations
- display of weapon locations positioned by GPS
- weapon status data processing - system database reconfiguration
- round-the-clock air situation evaluation - for timely employment of most suited weapon system - support to commander decision-making process
- fire units tasking
- missions co-ordination with the Air Force
- mission planning support
- monitoring/archiving of equipment operational status, weapon systems, and data communication
- monitoring and record/archiving of operator activities
- combat simulation and operator training

Input information processing:

- radar data received from local radars equipped with data extractors
- data of AD multiradar network
- orders from higher command level
- weapon status/location messages
- reports coming from coordinated centers

Basic tactical parameters:

- Weapon systems controlled in real time up to 6
- Reaction time within 2 sec
- Local radars up to 8
- Radio data communication coverage up to 20 km, line-of-sight
- Weapons database user defined

