

Commander's Decision Superiority

- Providing dynamically adaptable tactical voice and data networks
- **Mobile Ad-hoc networks (MANET)** including, but not limited to environment of narrow-band VHF and UHF radios
- Automated and software configurable data communications
- **Dynamic data routing** through wire and wireless communication media
- Reliable communication in **Network Enabled Capability (NEC)** environment, guaranteed by HW and SW proprietary solution
- Automated distribution of **GPS** data
- Used with a broad spectrum of command and control applications

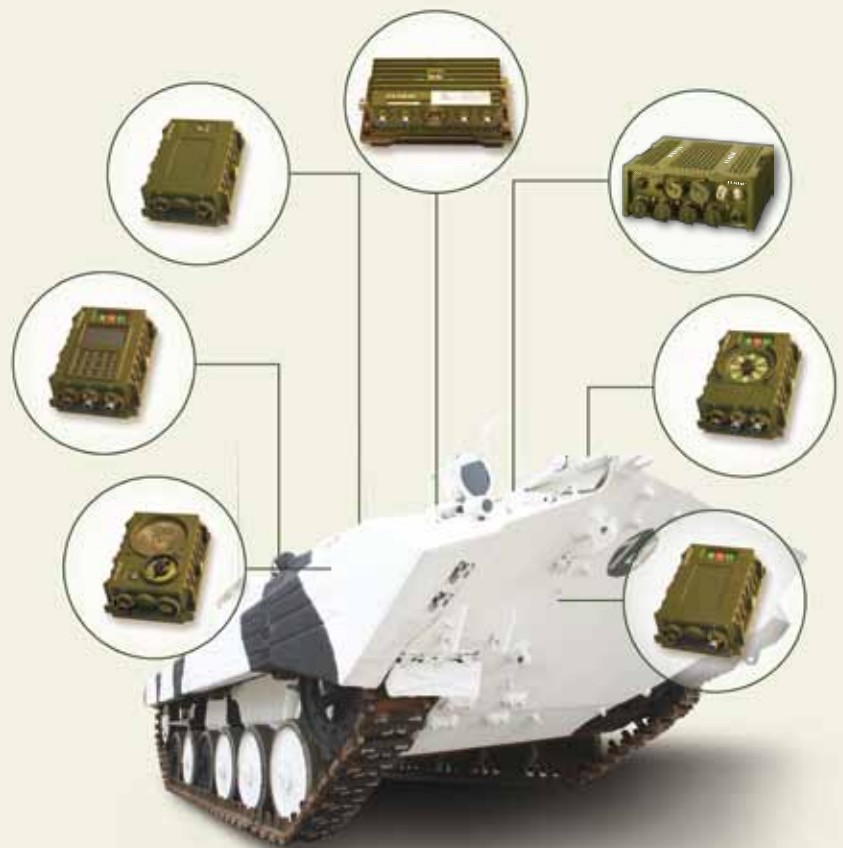
COMTAG provides **voice and data services** for combat and support vehicle crews at the halt and on the move. It consists of a voice component, data component and accessories.

The voice component provides internal and external voice communications.

The data component provides physical, data link and network, wired and wireless, data transmission layers for vehicular workstations using communication environment created by HF/VHF/UHF radios, WiFi devices, Ethernet cables, satellite terminals, etc.

It conducts a **dynamic, unmanned routing of command and control system application data**, selecting the communication channel with the highest available transfer rate.

The accessories are comprised of different types of headsets and other supplementary equipment.



DCU
Data Control Unit



CCU
Central Control Unit



CCT (CCT-2)
Commander Control Terminal



CAT (CAT-2)
Commander Advanced Terminal



CBT (CBT-2)
Crew Basic Terminal



TAU
Telephone Access Unit



LSP
Loudspeaker



RA 315
Headset with ballistic protection



RA 108
Headset



GENERAL FEATURES

- Connection of up to 8 voice terminals
- Star network topology of voice component in the vehicle
- Digital voice 64 kbps PCM communication
- Connection of up to 4 transmission devices (radios, SATCOM terminals, etc.)
- Connection of up to 5 data devices through Ethernet interface (PC, external WiFi, external LAN, etc.)
- Use of ANR headsets
- Software defined configuration
- Large scale of voice component features (conferences, point to point, direct control of radios, monitoring, priorities, etc.)
- Voice messages distribution
- Connection to external CB/LB telephone networks
- Connection to VoIP networks
- Access to voice functions outside of the vehicle from a distance up to 1 200m via military field line
- Loudspeaker monitoring
- Simple and undemanding cabling
- Easy operation
- Over-current and impulse over-voltage protection
- Visual cueing of status

SPECIFIC FEATURES

- Proprietary dynamic routing of data solution
- Unmanned operation of DCUs
- Data encryption
- Receive and distribution of GPS data
- Record of data communication
- Support of C2 applications

TECHNICAL PARAMETERS

Power Supply: 18-35V DC
 Nominal Value: 24V DC
 Operating Temperature: -30°C to +55°C
 Storage Temperature: -50°C to +70°C
 Maximum Humidity: 98%

STANDARDS

Temperatures/
 Vibrations/Shocks: MIL-STD 810F(G)
 EMC Emission/Susceptibility: MIL-STD 461E
 Climatic Environment: MIL-STD 810C