



BITcom On-board Communication System

BITcom On-board Communication System is intended both for the integration of local telecommunications services for the crew of the vehicle and to ensure use of any communication option with other C&C systems implemented in the Polish Armed Forces.

Starting from the level of the team and up the offered system consists of components intended for installation on combat and command vehicles.

SYSTEM FEATURES

- **Intercom features:** internal all around and point-to-point voice communication, access to the radio means from any BC-TEL in listening to network radio mode and in the transmission/reception mode, remote control functions of the radio station from the BC-TEL desktop.
- The System enables cooperation with dismounted assault team through RTK-1 radiophones, as well as the possibility to organize a field working post.

- **Subscriber's HF/VHF radio access features.**
- **Data Exchange:** the exchange of formatted messages (*ADatP-3*) and un-formatted, auto graphical imagine of tactical situation and positions of friendly objects and their status (*status of ammunition, fuel, etc.*).
- **Positioning** GPS receivers built-in in radio and RTK-1 are used for position monitoring. The position of each dismounted member of the assault team is displayed in the screen of Automatic Working Post (*AWP*).
- **Alarms receiving function:** readout of the threats and vehicle diagnostic information.

FEATURES

Interfaces:

- 100/BASE-FX/1000BASE-SX,
- Ethernet 10/100/1000BASE-T,
- VDSL,
- Subscriber's lines.

Digital processing:

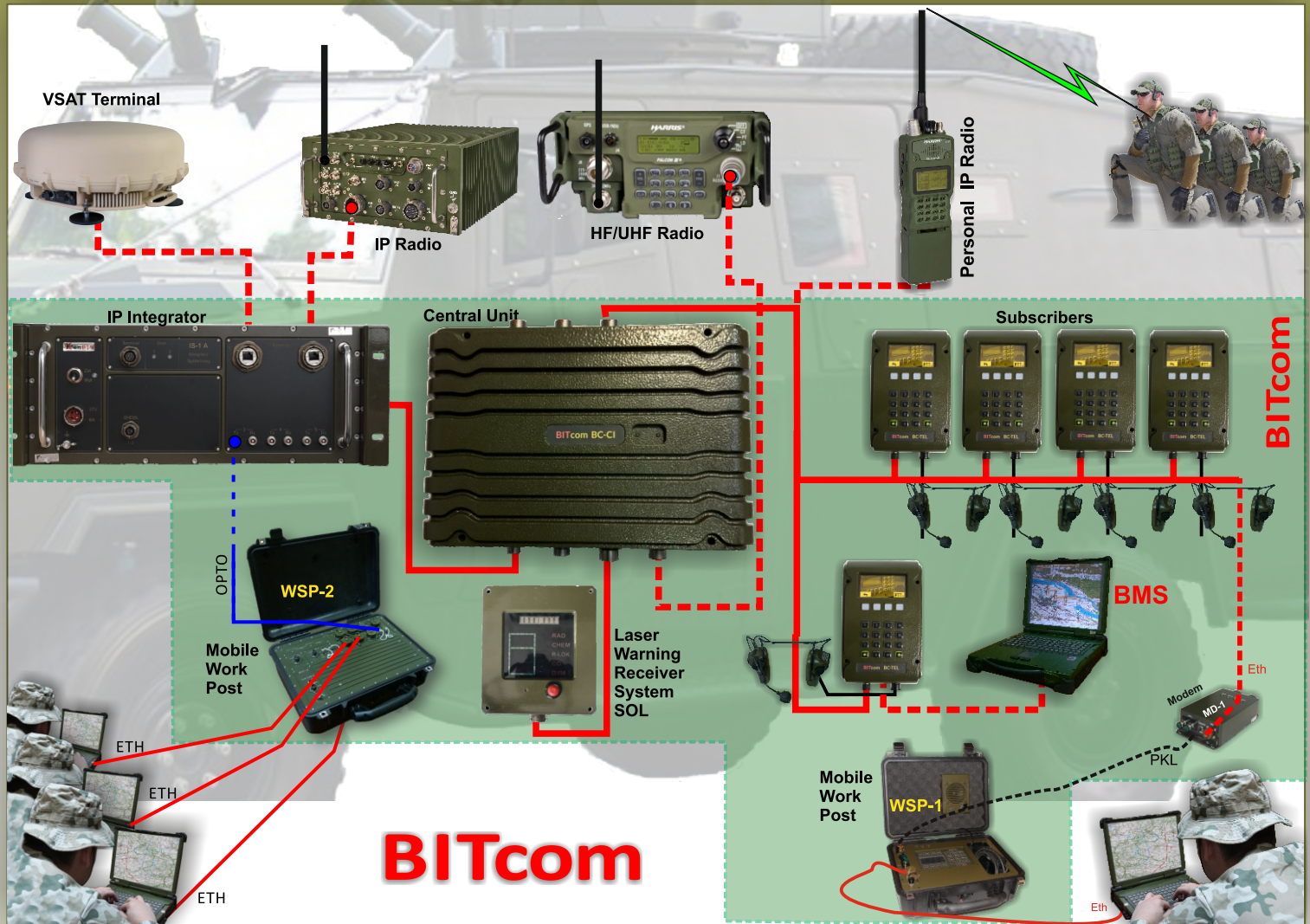
- G.704,
- Stanag 4210,
- EUROCOM AMI.

Signal processing:

- Stanag 4206,
- Stanag 4578,
- ISDN DSS1 (Q.931).



Security / Information Technology / Telecommunications



Wire communication

- Data exchange between the AWP's (LAN).
- Vehicle intercom function.
- Handling of vehicle alarm and diagnostic sensors.
- Field deployed post up to 2 km.
- Access communication (*voice, data*) with the dismounted assault team.

Wireless communication

- Voice communication with the dismounted assault team.
- Data exchange between the dismounted assault team and vehicle's AWP.
- Alarm signals transmission.

- Transferring text messages without the use of computer.
- Simultaneous execution of voice and data services.

Audio services implementation

- Automatic connection with STORCZYK system.
- Connections of analog and digital networks subscribers through VHF/HF communication channels.
- ISDN and VoIP subscribers handling (H.323). Connection between subscribers of different VHF/HF radio networks and directions.
- Connections with subscribers of single access points and multi access points sub-systems.

Data transmission services implementation

- Data transmission compatible with STANAG 5066.
- E-mail services through VHF/HF channels.
- Text messages handling.
- Exchange of confirmed and non-confirmed messages.
- Collaboration with commuted and packet networks.
- Services of HTTP, FTP, TELNET, etc. available from packet network subscribers' working stations with standard software.
- Cooperation with automated systems like: IRYŚ 2000, TOPAZ, PRZEBIŚNIEG, PROCJON, BREŃ, TUJA.