RapTawc

Main Features

- Voice & Data Encryptor
- Position Tracking and Navigation
- Messaging: Chat, File Transfer, etc
- Embedded Modem (STANAG 4538)

RapidM

RAPTAWC

The RAPTAWC MIL system comprises of:

- RT5 Tactical Terminal (Manpack, Vehicle, Base)
- RT7 Tactical Terminal (19" Rackmount)
- RAPTAWC MessagePoint Email Software
- RAPTAWC Gateway Software

- RAPTAWC CommandPoint Software
- RAPTAWC Key Management Software
- RAPTAWC System Configuration Software
- Full Suite of Cables and Accessories

Features & Benefits:

- Uses existing radios and radio networks
- Boost operator confidence
- Accurate and secure communications
- COMSEC and LINKSEC
- Interoperability between different radios
- High-performance robust voice & data

RAPTAWC CommandPoint Software
RAPTAWC CommandPoint is a Situational Awareness application that aids Commanders in the operational theatre. It allows rapid and intelligent control of the battlefield for Company and Platoon-level commanders. The battlefield situation is easily visualized. Simple buttons provide access to voice and text communications.

RAPTAWC MessagePoint

RAPTAWC MessagePoint Software
The RAPTAWC MessagePoint application allows individual users to use their existing standard email clients to connect to the radio network. RAPTAWC MessagePoint supports MS Outlook, Lotus Notes and others.

RAPTAWC Key Management Software
Secure key generation and distribution ensures that all over-the-air communications are end-to-end encrypted.

RAPTAWC System Configuration Software
Easy-to-use software allows rapid creation and distribution of address books, network parameters and device configurations.

RAPTAWC CommandPoint

Secure Digital Voice (SDV)
RAPTAWC provides the next-generation radio speech encryption solution. RAPTAWC Secure Digital Voice (SDV) uses the new language-independent TWELP* low-rate vocoder. This is combined with powerful AES-256 encryption and modulated for HF/VHF use by a RapidM proprietary Digital Voice waveform.
SDV provides the following features:

- Automatic Rate Adjustment
- Late Entry
- Caller Identification
- Simultaneous Position Transfer

Position Tracking
Fielded units periodically send out their position information, allowing other RT5 units and CommandPoint user to track Blue Forces.
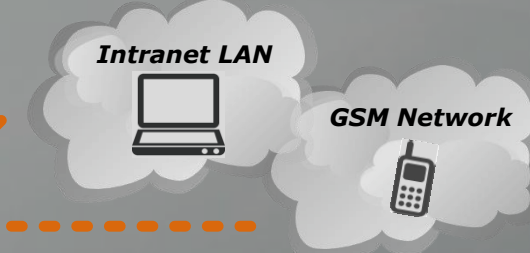
Messaging Services
RAPTAWC provides fast accurate messaging services such as:

- Chat and QuickText
- File Transfer: Pictures, etc
- Reports: CASEVAC, SITRAP, etc
- Email with attachments
- SMS to GSM Networks

RAPTAWC RT5

Radio Network

RAPTAWC RT7

RAPTAWC Gateway

Intranet LAN

GSM Network

RAPTAWC Gateway Software
The RAPTAWC Gateway Application allows the radio networks to be connected to fixed infrastructure such as Intranet Email and GSM SMS networks. The software provides:

- Email compressIon & prioritization
- Automatic resumption
- SMS routed to/from GSM Networks

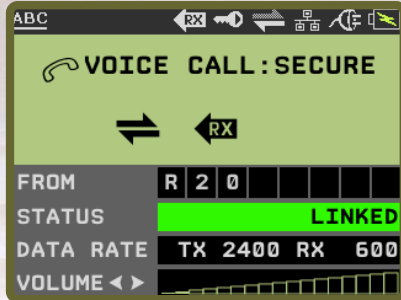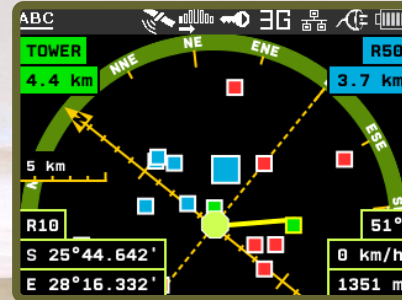The Gateway, for instance, allows a message from a mobile phone to reach the Front Line.

RapidM

RAPTAWC

Supporting Real Operational Deployments

RAPTAWC Applications: The RAPTAWC system comes pre-loaded with applications that provide: Speech encryption, Situational Awareness, MedEvac reports, Status updates, Navigation instructions and many more.
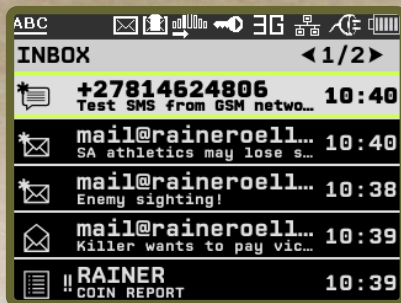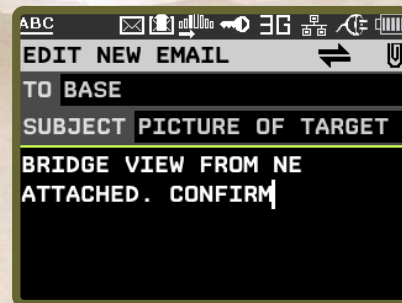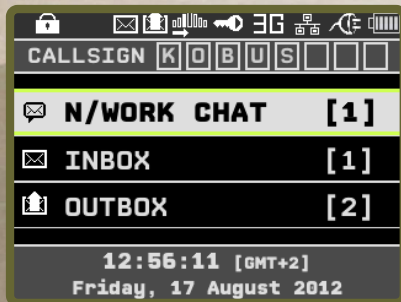
Operations

Navigation
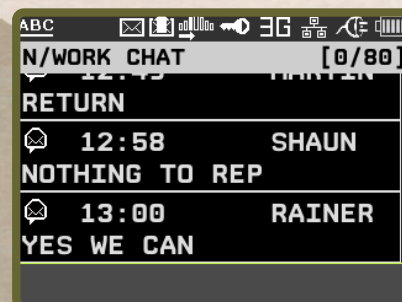

COIN Ops

MedEvac

Engineering

Logistics

ACCESSORIES
Full set of accessories to support effective deployment

| Radio Cable: *Various | Carry Pouch: Belt or Shoulder Strap | Navigation Pouch: Chest Mount, MOLE System | USB Cable, Ethernet Cable Converter | H-250 Handset: PAM17W Connector | Audio Pigtail: MIL-C-55116 Converter | Vehicle Mount: GPS Reradiate, 5m Cable | Shock Mount Plate: Use with Vehicle Mount |

*TWELP Vocoder supplied by DSP Innovations, Inc.