



TactNet is the key backbone C I system for dismounted forces:
Functions as a standalone system.
Interfaces, monitors and controls sensors / weapon systems.

TactNet - Designed "top-down, implemented bottom - up" from the individual soldier up to the Company and Battalion echelon.

Benefits:

TactNet enhances the operational capabilities in mission planning / execution and supports independent and combined / joint missions of the dismounted force.

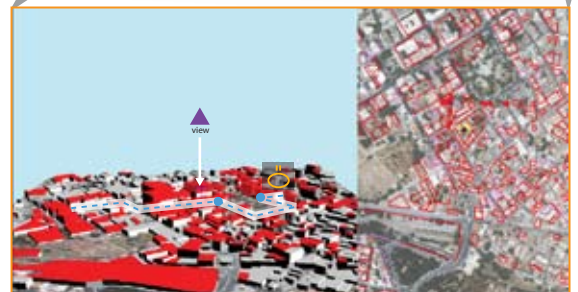
The unit will achieve enhanced operational effect, a wider deployment area and greater area of influence.

TactNet potential users - Combat units operated in:

- MCO (Major Combat Operations)
- SSC (Small Scale Contingencies)
- Peace Keeping / Peace Enforcement missions
- Humanitarian missions
- Border Control
- Homeland Security

TactNet supports and enhances:

- Situational awareness and understanding.
- Mission planning and rehearsal.
- Battle management (including ORBAT management, position identification and changes of position).
- Resources control and "sensor to shooter" loop closure.
- Control of ISTAR elements, management of enemy Situation picture and targets data.
- Message transmission, relay and receipt, graphic overlay capabilities, including 3D views, aerial photos, still images and data layers.
- Logistic and medical resources management.
- After action review.



Key capabilities:

- TactNet interfaces with upper echelons and other C I tactical systems.
- TactNet interfaces with a variety of sensors and weapon systems, (such as "live" video or "still image" display and transmission, including annotations and attached graphical overlays)
- VoIP - Voice over IP as an integral part of the application
- Database services (based on COTS relational databases)
- Geographic DB (maps, aerial photos, DTM/DEM)
- Operational DB: (blue/red forces, orders, events)
- TactNet integrates with other soldier systems (Future Infantry Soldier etc.)
- Optional docking stations or conventional tactical computers aboard vehicles for mounted missions
- All communications can be connected, e.g. Tactical Radios, WLL, WAN, Cellular, Sat - Com and others
- Ad-hoc networking, peer to peer architecture
- COMSEC modules can be integrated
- TactNet main terminals are rugged CDAs (Commander Digital Assistant), with Windows CE operating system. The CDAs are designed to survive the rigors of the tactical environment and to optimally support the applications

System deployment:

- Basic deployment - from the company commander through all subordinate leaders, down to fire teams or select soldiers
- Full deployment - down to the individual soldier
- Terminals - from soldiers with a Position Reporting Terminal (PRT), or CDA, up to dismounted commander's level - CDA and Tactical Command Posts (TCP), with laptop

Fire Team - Equipment:

- Each team member is equipped with the relevant HW&SW modules

