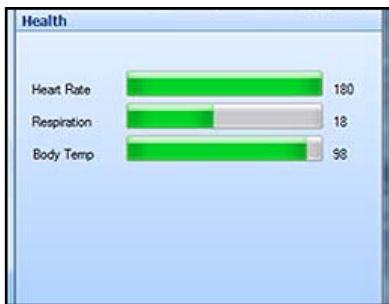


# blueforce

## QUALIFICATION

## COMBAT CASUALTY

Blueforce Tactical for Remote Medical Monitoring and Force Protection



### Overview

Blueforce Tactical (BTAC), secure information sharing and sensor normalization software for Smartphones and PDAs, was tested and evaluated by the Special Operations Command (SOCOM) at their TNT exercise at Camp Roberts, CA. The software was tested for use by medical personnel using a combat casualty scenario.

A five-man team was deployed to Generals Hill on a simulated mission. During this simulation, a warfighter was critically injured. The team medic leveraged BTAC and several sensors to monitor and share biotelemetry with others on the Hill, but also with medical personnel using Blueforce Fusion at the Tactical Operations Center (TOC) located 10 miles away.

Several other sensors were deployed by the team on the Hill which provided force protection monitoring. These sensors included a person-attached chemical and explosives sensor and a static JPG surveillance camera. Furthermore, the Blueforce Fusion node at the TOC provided mediated access to an overhead Scan Eagle UAV allowing operators on the ground to request static JPG images as the aircraft flew overhead.

### Qualification Details

- **Rapidly Formed Network:** Provided first generation communications backpack for core communications on Generals Hill. xPack operated independent of local infrastructure and provided satcom exfil and local area network support.
- **Blueforce Tactical** deployed on PDAs and provided to all warfighters on Generals Hill; Blueforce Fusion node deployed to TOC personnel.
- **Remote Medical Monitoring:** Provided TOC with access to biotelemetry information via "LifeVest" that was attached to the injured soldier on Generals Hill.
- **AO Ground Surveillance:** Deployed a COTS passive infrared/EO camera for perimeter monitoring on Generals Hill. Stream was made sharable via BTAC to warfighters on all sides of Generals Hill.
- **CBRNE:** Deployed and shared data from 5-gas chemical/explosives sensor for shared monitoring via BTAC's on Generals Hill, but also with Fusion Node at TOC.
- **"Autonomous Agent" access support for Overhead UAV:** Provided warfighters on the ground with ability to request static JPEG imagery via BTAC from overhead Scan Eagle UAV. Blueforce Fusion node provided mediated access to Scan Eagle via the TOC.

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