

# Fixed Base Force Protection

Radios: PRR



The Fixed Base Force Protection (FBFP) System has been built on the key design features of the Enhanced Personal Role Radio (EZPRR) to provide enhanced Force Protection in and around base camps and command posts. The FBFP achieves this by extending the range and coverage of the EZPRR to over 2.5 kilometres through the deployment of a Command Post System (CPS) and a Re-broadcast Station System (RRB).

## Features and Benefits

- Tactical encrypted voice communications – EZPRR
- Enhanced coverage – higher power radio and high gain antennas maximise the coverage and penetration
- Simple user interface – familiar PRR controls follow the ‘Keep It Simple’ axiom
- Backward compatibility with PRR
- Simplified logistical support – meeting the user’s needs for cost-effective supportability
- Future extension to include data communications and integrated C3I systems

The FBFP establishes a secure communications structure that is robust and flexible, enhancing operational effectiveness in an environment where security and adaptability are key elements to success.



## Operational Concept

FBFP provides a cohesive communications infrastructure, giving troops responsible for security the means to achieve their aims. It enhances the effectiveness of individuals committed in their fundamental roles as Force Protection by giving them the flexibility to utilise vehicles, static guard posts, vehicle check points and foot patrols. FBFP provides an all-informed, all-secure, all on one network system of communication.

The Command Post, as the control station, maintains the links between the static and mobile patrols within and around the base. Maintenance of the system is controlled by the Command Post, which co-ordinates all aspects of the system. The FBFP System controlled from the Command Post can be deployed to bring assets that were in areas of dead ground, into the network, by the appointment of one or more rebroadcast stations.

System deployment is simple and user friendly. It only takes two soldiers less than 15 minutes to set up the Command Post itself. The rebroadcast stations are easily deployed to cover areas that are known communications black spots.

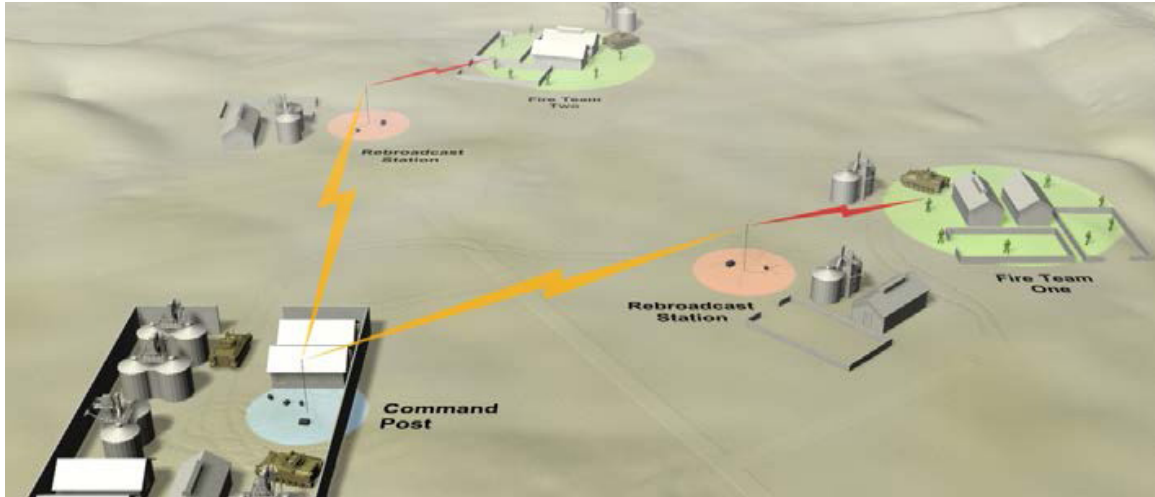
Foot patrols and vehicles that need to be deployed outside of the perimeter have the ability to communicate throughout the duration of their task. As the troops move from one area to another, they select a profile which corresponds with that specific area of operation. The rebroadcast station will give them access to the command post and to troops already operating in the same vicinity.

## System Structure

The FBFP uses the EZPRR as the system communication bearer. The system consists of three main elements:

- Command Post Station
- Rebroadcast Station
- Dismounted Troops/Observation and Security Posts

Each system element is lightweight, portable and capable of being installed and erected by no more than two men.



## Flexibility

The design of the FBFP system provides a highly flexible "tool kit" deployment solution that enables the user to build a system that fits each scenario.

As well as a base protection role, the system lends itself to extending its use in other areas of operation. By linking rebroadcast stations together, the system can be used in other environments such as jungle, desert, inter-unit, convoys, etc. The system can be used when an ad hoc deployment is required for a specific task with a short duration and, where extended communications are required, a further Command Post can be deployed, which would then be able to link to the main Command Post, back in the base.

## Command Post System

The Command Post System enables an operator to conduct secure voice communications with base defences over the EZPRR. The Command Post radio will be configurable using a Command Post Desk Unit (CPDU). The CPDU provides two headset ports (Operator and Commander), a loud speaker and interfaces to configure the channel and group of the radio.



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All specifications are subject to change without notice

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