

ISSAT

Infantry Soldier Situational Awareness Tool
Portable Communications Systems



The Infantry Soldier Situational Awareness Tool (ISSAT) provides immediate position and status information at Section and Platoon level

The Infantry Soldier Situational Awareness Tool (ISSAT) provides the close combat commander with an immediate enhancement to his operational capability. Based on the operationally proven Enhanced, Secure PRR (EZPRR), ISSAT has been developed to provide the Commander with immediate SA of his own troops and of the operational environment.

The EZPRR is an enhanced variant of the British Army's in-service, combatproven Personal Role Radio (PRR). It provides a range-extended, data-enabled and secure version of the existing successful radio to meet the demands of challenging operational environments. The SA application is based on digital mapping products, which have also been in operational use. Addition of a GPS appliqué and a ruggedised display completes the package.

Operational Benefits

- Minimum impact on the combat soldier
- Provides position and simple status information to improve combat effectiveness
- High refresh rate
- Low cost but highly cost-effective solution
- Makes maximum use of existing equipment
- Minimum training load
- Interfaces with higher command systems



The impacts of physical and mental loads on individuals in the close combat environment are well understood and underpin the need for simple, intuitive and responsive capabilities, particularly for SA and navigation.

The demands on the Commander have been minimised by using an intuitive man-machine interface and by reducing equipment size, improving integration and minimising mission weight. The functions offered to a Commander will be very rich and will enable a significant advantage in his planning role.

Deployment

ISSAT is designed to be used by Commanders as required by the operational scenario. That would normally be at the section and platoon level, but ad hoc and larger groupings are supported.

The EZPRR is the standard common radio enabling re-rolling of individuals without the need to change radios. Being based on the PRR, it retains the best characteristics of simplicity, minimal training and low weight. The extension of range and coverage enables both section and platoon level nets, with the self-forming characteristics of the PRR net. It is backwards compatible to the PRR.

Situational Awareness - Operational Advantage

ISSAT provides immediate position and status information at the Section and Platoon level

- Common EZPRR radio and GPS appliqué
- Backwards compatible with PRR
- Commanders display and SA system
- Operational enhancement with minimal additional physical and mental load
- Re-rolling and regrouping flexibility
- Cost effective balance of ruggedisation and off-the-shelf technology

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All specifications are subject to change without notice

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