



ASA

PROVEN ENGINEERING EXCELLENCE

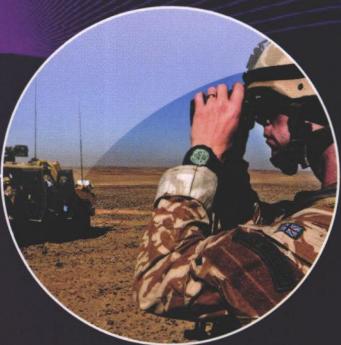
Intelligence



Secure Communications



Situational Awareness



Border Solutions



L-3 ASA has been solving customers' most complex engineering problems for over 25 years, with proven expertise in the areas of Secure Communications, Intelligence Management and Situational Awareness.

With an established presence in the demanding Defence, Security, Law Enforcement, Communications and Transportation sectors, we have a culture which encourages innovation and a user-focused approach. With the expertise and agility to meet time-critical operational needs and with a proven record of assured delivery, L-3 ASA is ideally positioned to respond to customers technology engineering challenges.

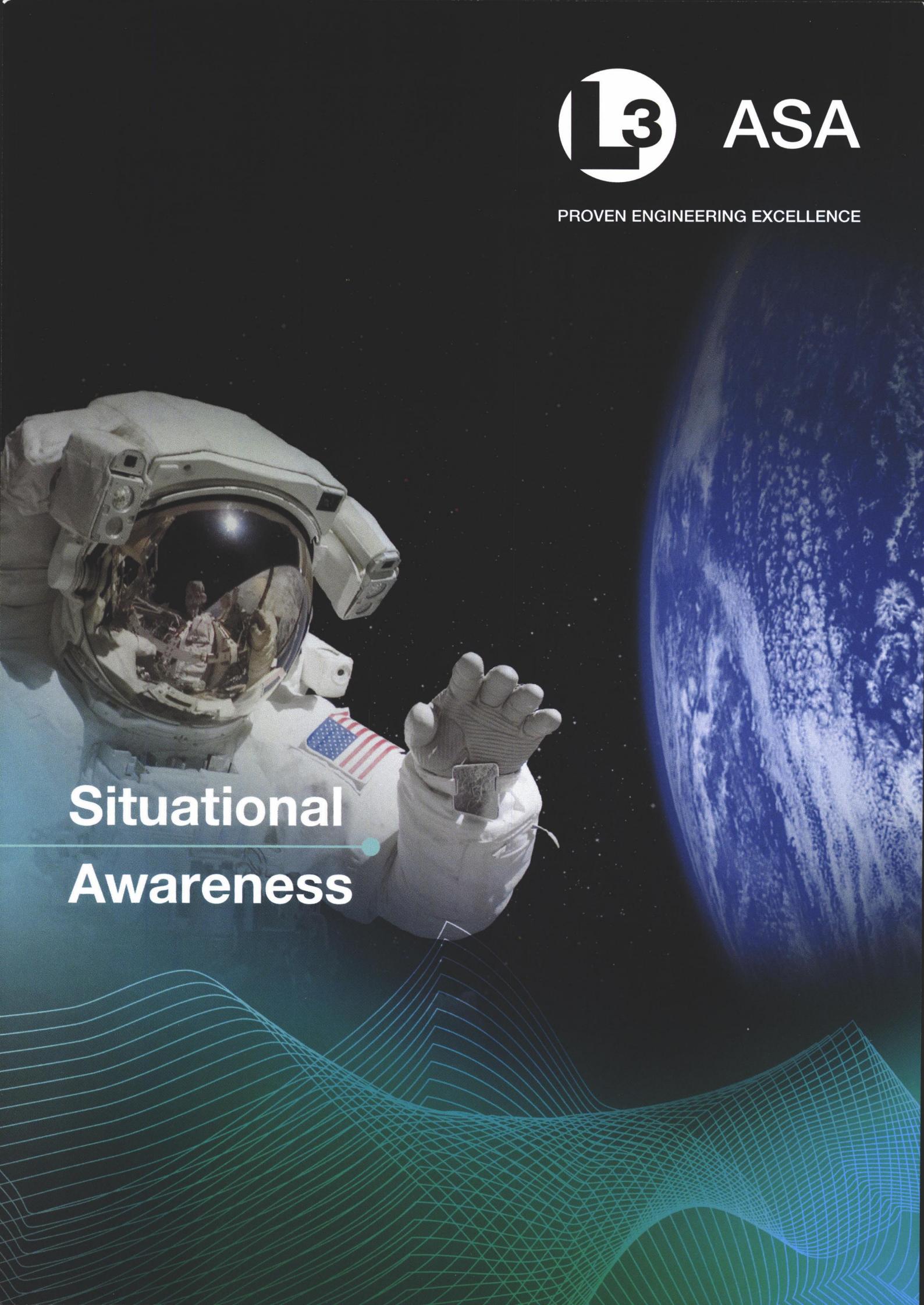
Key Capabilities

- Our Communication solutions meet the most demanding requirements of Government, Military and Commercial customers, with over 300 systems in use within the UK Ministry of Defence alone. Our mission-configurable systems have the flexibility to integrate and interoperate between networks, bearer types, protocols and crypto devices.
- UK law enforcement uses L-3 ASA's intelligence workflow and case management solutions, which incorporate multi-level security and assurance to the most stringent UK legislative standards. With our intelligence solutions we provide for the analysis and dissemination of high volume, highly sensitive information, securely and reliably.
- Our Ground Based Air Defence systems are currently deployed at the heart of UK defence capability providing modular situational awareness and decision support components for sensor data fusion and tracking. The Situational Awareness Component (SAC) is a flexible, open architecture allowing the integration of a variety of sensors, communications and display interfaces.
- When you enter the U.S. from abroad you can feel secure as you pass through U.S. Customs, utilising the Department of Homeland Security's US VISIT system, for which L-3 National Security Solutions provides testing, quality assurance, and configuration management leadership for the largest biometric system in the world. The system supports over 2 million biometric and information sharing service transactions every day throughout the extended border and immigration and criminal justice enterprise.



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An astronaut in a white spacesuit with an American flag patch on the shoulder is floating in space. The Earth is visible in the background, showing clouds and continents. The astronaut's helmet reflects the interior of the space station and the surrounding void. The overall scene conveys a sense of high-altitude engineering and exploration.

Situational Awareness

Situational Awareness

Case study: STINGER

Customer :

US Air Force
Space Command

Problem :

Due to the increased reliance on space assets for critical infrastructure, the growing number of objects in Earth orbit, and the escalating threat to satellite operations from actions of other space users, space surveillance is increasingly important. Sensors currently used for ground-based space surveillance do not always fully meet the demands placed on them.

What we did :

Built a data processing and analysis system that takes data from existing ground-based space surveillance sensors, and allows additional information to be extracted. This additional information includes more accurate satellite positions, detection of smaller pieces of orbital debris and more reliable tracking of satellites in close proximity. All these additions contribute to improved space surveillance.



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A close-up photograph of a dark-colored police uniform shoulder patch. The word "POLICE" is printed in large, bold, white capital letters across the center of the patch. Below the patch, a portion of a dark fabric strap with a metal buckle is visible.

POLICE

Intelligence

Intelligence

Case study: Knowledgebase

Customer :

UK Law Enforcement

Problem :

Operational risk was increasing due to a proliferation of intelligence databases and systems. This was causing duplication and inconsistency of intelligence information and a potential gap in the organisation's knowledge of organised criminal activity.

What we did :

Built a master information system that securely manages highly sensitive intelligence data and provides comprehensive audit and tracking capability. The system allows officers to ingest, analyse and disseminate high grade operational data to UK and International law enforcement and intelligence agencies.



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Secure Communications

Secure Communications

Case study: Tactical Network Interoperability

Customer:

UK Ministry of Defence

Problem :

During tactical military deployments it was difficult to establish secure communications quickly between UK and coalition partners due to uncertain availability of infrastructure and lack of common interoperable equipment.

What we did :

Utilising our Multiswitch technology, we provided a highly flexible tactical network node that enables secure interoperability between local communications capability(if available), and tactical networks established in theatre, with reach-back to the UK. L-3 ASA systems integrate IP, circuit switched, radio and satcom networks, configurable in the field using an intuitive Graphical User Interface.



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Situational Awareness

Case study: Automated Sense and Warn

Customer :

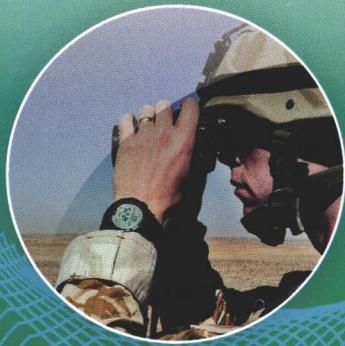
UK Ministry of Defence

Problem :

Bases were under threat of attack from rockets, artillery, mortars and difficult air targets. There was a need to disseminate sensor data more effectively to provide situational awareness and timely warning to prevent casualties.

What we did :

Utilising our TOTS technology we fused the data from available sensors, producing highly accurate tracks and points of impact quickly enough to provide warning of attack and enabling friendly forces to take appropriate defensive action – saving lives.

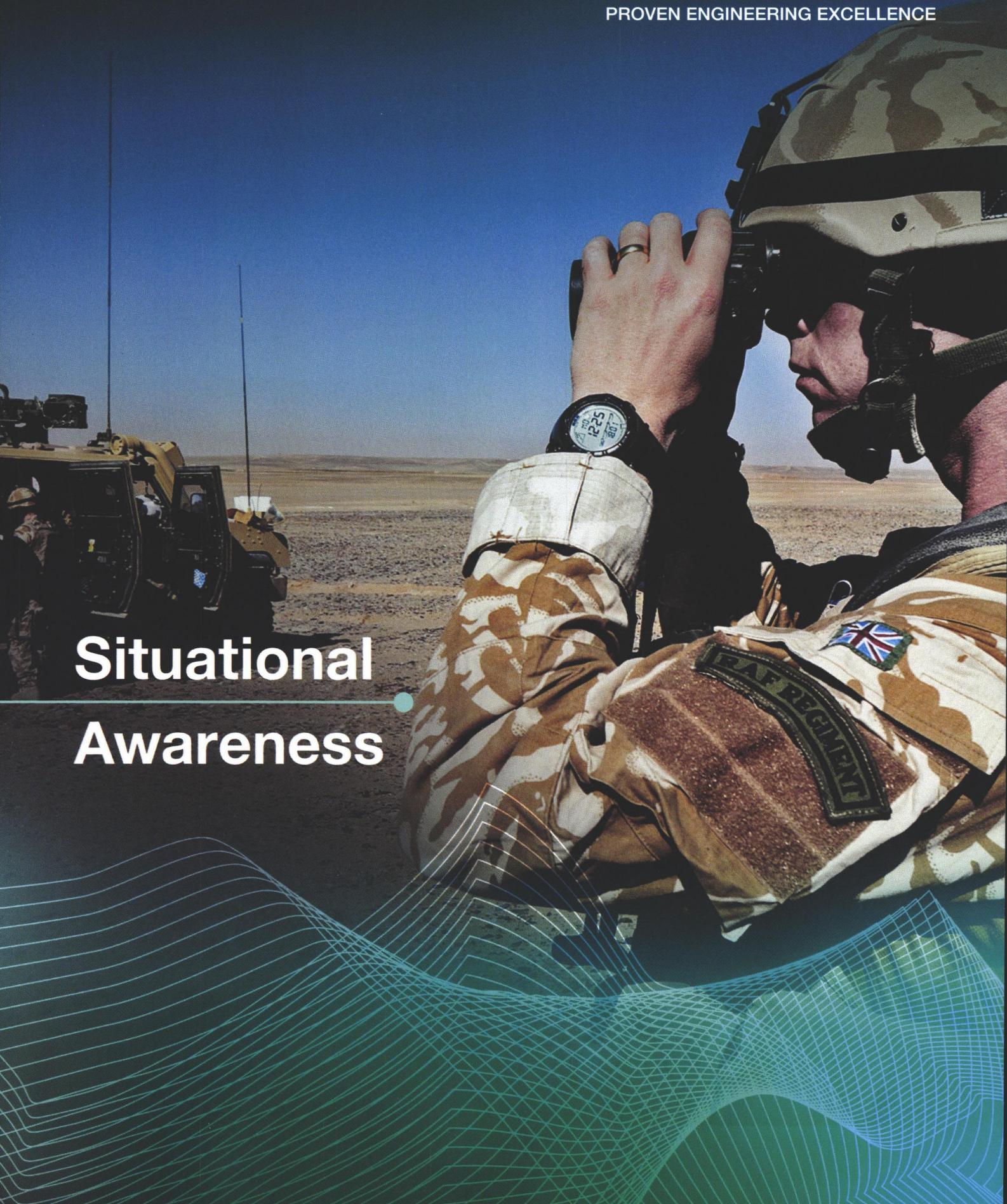


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Situational Awareness





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