

USE CASE

Securing Situational Awareness

Sharing Sensor Feeds with TAK Across Domains.

As the battlefield becomes increasingly data-driven, modern operations rely on real-time intelligence from a distributed network of sensors, often feeding directly into systems like the Tactical Assault Kit (TAK), or Tactical Awareness Kit in civilian contexts.

As geospatial sensors deployed in the field connect back to central TAK servers, the risk of tampered data increases. Simultaneously, sharing selected elements of this data with trusted partners, without overexposing sensitive information, requires granular control, sanitization, and trusted interoperability between domains.

THREATS TO DATA FEEDS:

- **Sensor Compromise** introducing manipulated or malicious data into TAK servers
- **Oversharing of Classified or Sensitive Data** with external networks or coalition partners
- **Data Integrity Loss** during ingest or cross domain transfer
- **Limited Control** over how sensor feeds are transformed or redacted for each domain

APPROACH:

- Full hardware-enforced protocol breaks
- Deep application level inspection & redaction
- Data verification & sanitisation
- Additional data transformation & reformatting

SOLUTION:

- Everfox High Speed Verifier (HSV)
- Everfox Data Guard

BENEFITS:

- Stop hostile or compromised sensors from poisoning central TAK servers
- Enforce least-privilege data sharing to allied or partner domains
- Maintain near real-time situational awareness while protecting network integrity
- Meet coalition requirements & recommendations



From Sensor to Command

If mission data is vulnerable to corruption, manipulation, or overexposure, the entire decision chain is at risk.

Everfox helps to ensure that sensor feeds are not only delivered, but can be trusted by securing the connection and verifying the structure of the message. Through a combination of hardware-enforced protocol separation with the Everfox HSV and application-level contextual based decisions via an Everfox Data Guard. Helping to enable secure, tailored, and sovereign data sharing across domains.

Whether operating across coalition networks, national defence infrastructure, or from base to field or between brigade/ battalions in field. Everfox aids defence and government teams achieve resilience, compliance, and mission readiness in the most demanding environments, from the edge to command.

