TEAM DEFENCE INFORMATION
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Support and Defence SME gateway process Industry SME Perspective

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How AI is Driving a Common Currency for Mission Capability

An SME's Approach

John Sharp & Del Alibocus

TEAM DEFENCE INFORMATION

SWRDSC
South West Regional Defence and Security Cluster

Executive Context (Why This Matters)

- Commanders need rapid, comparable measures of capability
- Legacy ES **Currency** holds System Availability as the holy grail
- The ES landscape is inconsistent across different systems & platforms
- It's virtually impossible to integrate A_o for multi-platform forces
- AI can help – but to assure coherence we need a shared **Currency** to describe, compare and deploy capability effectively

Key Message:
Before scaling AI across formations and domains,
We must define a common currency for mission capability

Enhancing Army Lethality, with Advanced Equipment Support Solutions.

Chief of General Staff General Sir Roly Walker

"In the near term, my challenge to the British Army is to double that **lethality** in three years and treble it by the end of the decade."

"My focus in the near term will be on making what we've got work even better, essentially the software that **exploits the data to turbocharge our modernisation**."

Enhancing Army Lethality, with Advanced Equipment Support Solutions.

The Problem: We Can’t Measure Mission Capability

Availability ≠ Capability ≠ Mission Effect

- Fragmented data and inconsistent definitions
- AI cannot help efficiently until we define a common ‘currency’

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ESLI – Equipment Support Lethality Index

A unified capability measure built on:

- Equipment – readiness, maintenance, spares resilience
- Resources – trades, tooling, supply chain assurance
- Training – competence and certification
- A single interpretable score for mission support lethality

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Benefits for Commanders

Faster, evidence-based decisions

- Objective and auditable capability measure
- Reduced integration and data-preparation burden
- Improved prioritisation and formation-level planning

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REME + DRE Digital collaboration

- Deployed in 6 Battalion REME with strong results
- Driving rollout across 3 UK Armoured Division
- Eligius 2: Expand to teeth arms for full Lethality Index