The Soa dependability cube

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SOA and the Military

Network enabled capability / Network centric warfare

Enable the war fighter with better exploitation of

Information to inform better decision making...

International business systems - DII

Statistics - Joint Strike Fighter Logistics

Real time - Geo Int, Blue force tracking, Situational

Awareness, Weather, EM Spectrum mapping etc

Front line - Vehicle and dismounted.
Project aims

Identify the risks to the dependability of a SOA system that are perceived by war fighters, military engineers and MOD development projects.

Communicate their perceptions to the research community

Identify the perceptions of the research community

Analyse the mapping between the two and provide a response to the UK MOD
PROJECT programme

Identify what sort of projects are being described as emblems and that have been discussed in terms of indability.

Review military project personnel, front line warriors, engineers and scientists.

Document and disseminate their concerns to the research community. Gather the opinion of the research community.
The Cube

ups of SOA projects, 3 variables necessary to determine them.

How late the binding of services is performed. The proportion of legacy to green field services. The expected instability of the deployment onment.
Early binding describes the use of SOA at an enabling technology. It’s not really a SOA in the true sense.

They are deployed with Legacy services into unstable environments. I.e. the Military is attempting to use SOA technology to deliver existing services such as Weather reports directly to front line troops.
Late, New & Unstable

Gold standard aimed at my the MOD.

...binding will allow services to be selected in the... on the fly and provide protection from... advantaged infrastructure.

...imple demonstration of the concept is the... mounted display”...
The perceived threats

Maintainability of late binding systems

Reliability in unstable environments

Availability in early binding systems

Integrity, Confidentiality and Security in general...
Where next

We are hoping to engage you today.

We want to discuss the CUBE, and the five identified types of project.

We want to know what you feel the risks are and what you feel is solved.

This is a workshop, it is an opportunity to engage.