

he Soa dependability cub

Dr Graham Fletcher

Defence Academy of the United Kingdom

and

Cranfield University

SOA and the Military

Network enabled capability / Network centric warfare

Enable the war fighter with better exploitation of
any information to inform better decision making...

Operational business systems - DII

Logistics - Joint Strike Fighter Logistics

Intelligence - 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 evidence to the UK MOD

PROJECT programme

ify what sort of projects are being described as
ems and that have been discussed in terms of
ndability

view military project personnel, front line war
ers, engineers and scientists.

ment and disseminate their concerns to the
arch community. Gather the opinion of the resear
munity.

The Cube

Groups of SOA projects, 3 variables necessary to describe them.

How late the binding of services is performed.

The proportion of legacy to green field services.

The expected instability of the deployment environment.

Early binding

Early binding describes the use of SOA at an enabling technology. It's not really a SOA in the true sense.

Employed 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
ged on the fly and provide protection from
dvantaged infrastructure.

mples 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 work shop, it is opportunity to engage.