

# "Benefits Maturity Matrix" Robin Smith

### Considering:

- A Soft Method
- To measure, track and forecast
- Achievements of complex Programmes





**Topic** – A Case Study and associated soft method developed

#### **Aims**

- Consider the "Benefits Maturity Matrix" method in its original context
- Consider Pros and Cons
- Reflect on 'So What?'
  - Surprisingly...
  - Method still used
  - Started to be replicated



## LE TacCIS - Quick Background









SATCOM various systems



Falcon - a completely separate network



Information Systems often called OpCIS but used at the Tac level

### What?

- New generation: Hardware and Software
- New Acquisition & Deployment Model
  - Open systems
  - Faster updates



## LE TacCIS – Other Key Points

### **Benefits Targeted?**

- Effectiveness
- Quality of life
- Upgrades cycle

#### **National Audit Office**

- on previous generation

Nat. Audit Office: "All stakeholders, should have common access to information on risks and benefits tracking"





#### MINISTRY OF DEFENCE

Delivering digital tactical communications through the Bowman CIP programme

REPORT BY THE COMPTROLLER AND AUDITOR GENERAL | HC 1050 Session 2005-2006 | 25 July 2006



### **Programme Board**

#### Members.

Senior Owner, Army HQ Wider Representatives, Procurement Org', Cabinet Office, Field Army Representatives

- Our Job: Develop a new supporting method
  - What are the benefits to the soldier?
  - What is impact of newly fielded kit?
  - Is it really better?
  - Are we on track?
  - What does the plan forecast?

## Some Challenges?

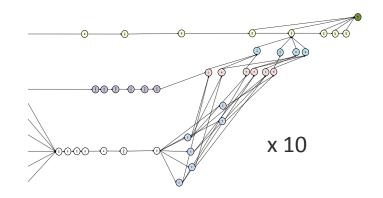
### **Continuity**



#### Data & Evidence?



### Tried before, didn't stick



### 'Live' Programme -> Live Method





## Sources to draw from?

#### What

(V. Crudely) Complexity Robustness

Anecdotal, User Feedback

(New) Surveys

**Lessons from Coll. Training** 

**LE TacCIS Bespoke User Engagement** 

**Bowman Capability Reviews** 

Bespoke Training Objectives

New Instrumentation & Data Collection

#### Where

**Workshops with Users** 

Workshops with Staff Officers & Dept. Heads

**Collective Training** 

**Trials Development Units** 

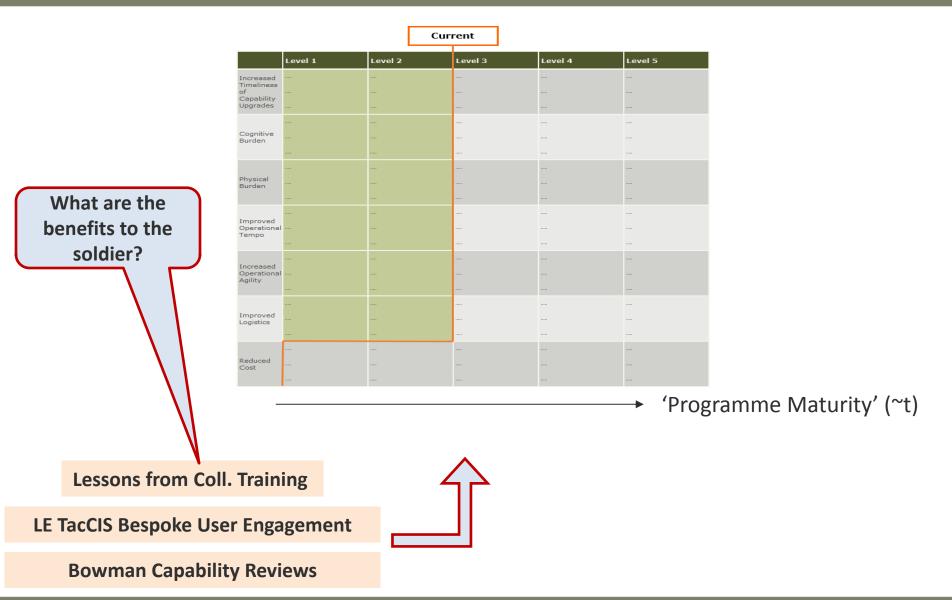
**Bespoke Experimentation** 

#### Key help:

- 2015 Niteworks LE TacCIS Baselining Report (C. Beattie)
- Ex-contributors to Command and Control Development Centre (C2DC)
- MORPHEUS User Engagement Reports
- Army Training Branch, Field Army Change Plans (A Philpott), LWC S&T, Requirements Managers, Dstl (N. Paling, A Bain, N Lindsey)
- Rest of Army HQ IS-TacCIS team



## Approach Needed?





## The Maturity 'Matrix' Approach

### Where are we now?



"What evidence?"

'Measure'





Physical Burden

Improved Operational Tempo

Increased Operational Agility

Improved Logistics

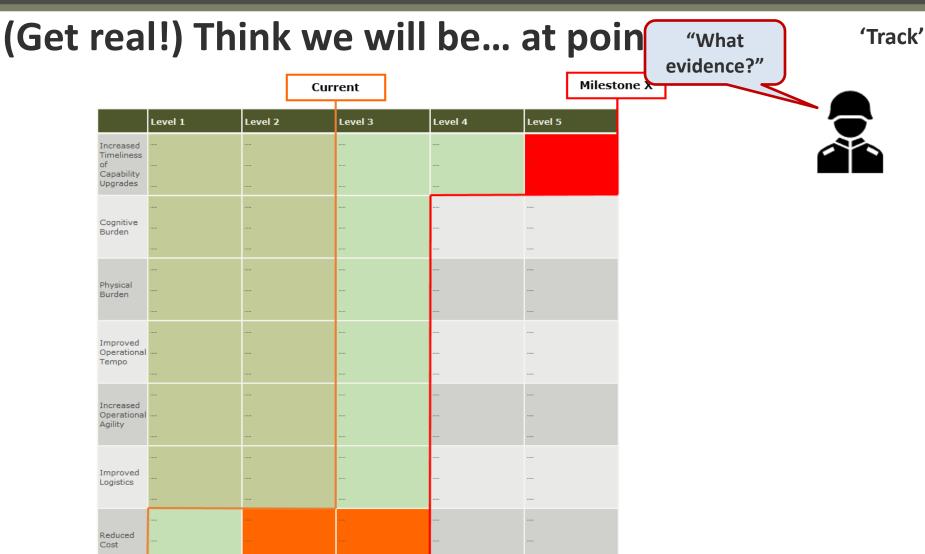
Reduced Cost

## The Maturity 'Matrix'





## The Maturity 'Matrix'

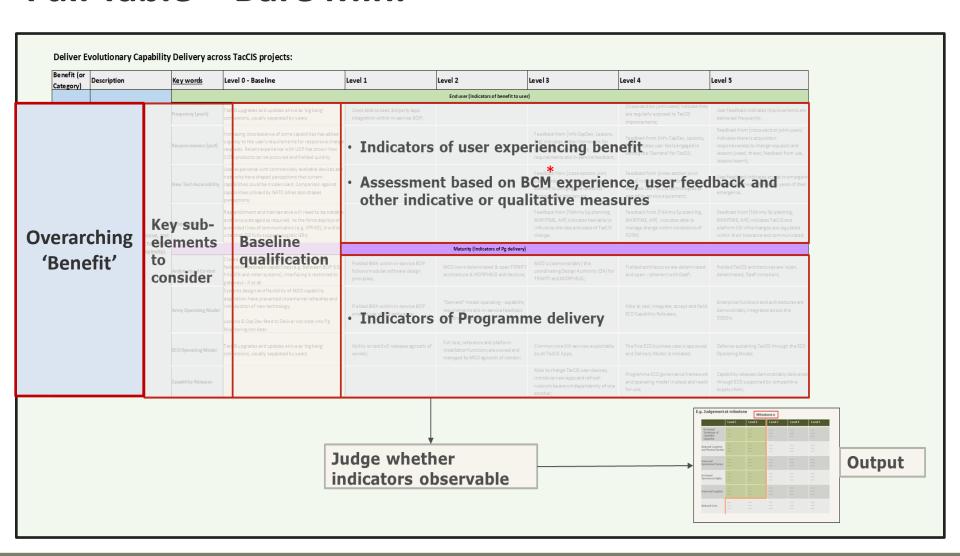




## The Maturity Matrix

### Full Table – Bare Min.

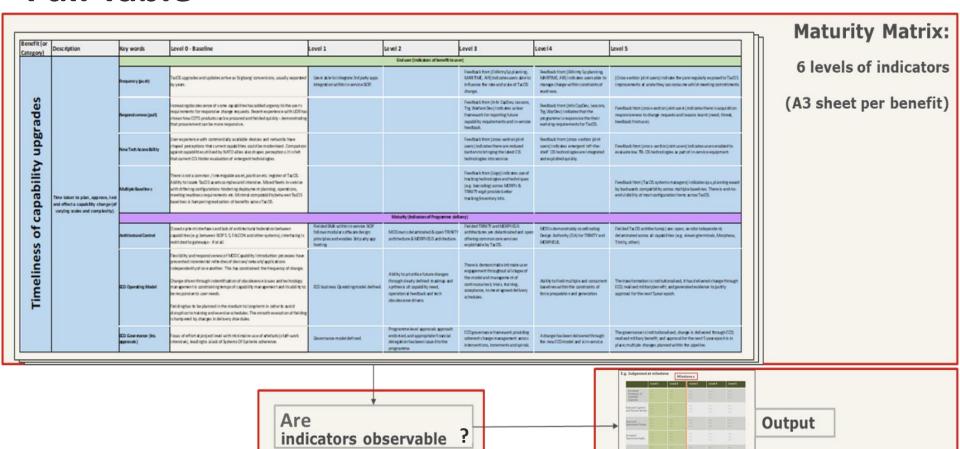
\* BCM -> The lead Field Army Staff Officer





## The Maturity Matrix

### **Full Table**



**Output summary diagram:** Graphical summary diagram

## An Example

x5 Lev	vels
--------	------

				X3 Levels
			Baseline	Evidence Impact for the Soldier
Cognitive Burden	Cognitive - ease of use (interfaces, easy to remember, intuitive etc)	Network Management		
		Usability		Evidence & feedback relating to [TARGETTED USER GROUP] indicates that
		Skills fade		
			Baseline	What has the Programme done?
		Automation		
		Apps HMI		Software Applications x & y fielded to Full Operating Capability
		Doctrine		



## **Arke Ltd**

**Land Environment Tactical Comms & Information** Systems (LE TacCIS)

**Programme Board** 

The Matrix -A Supporting Method









Staff Officer ahead of the Board meeting (or any time) could

**Customer decides** what's right for them at the time and part of the programme... supported/steered by the soft method

Make a judgement (with help?)

> Send out a survey (s)

**Commission** analysis task around an **upcoming Trial** 

**Commission** a whole new trial, experimentation programme, analysis tasks

#### **Pros**

- It survived
- Enforcing focus on 'benefits to the soldier'
- Transparency
- Excel, A3, highlighters
- Encourages some analysis
  structure and records at Prog.
  Board level
- Nothing new/radical

#### Cons

- No 'hard-wired' link to supporting evidence and analysis
- Minimum input: judgement only
- Vulnerable to bias
- Excel, A3, highlighters
- Maturity level 'indicators' could be altered: not a fixed KPI, a number
- Nothing new/radical

### So What?

#### **The Maturity Matrix**

It's still going(!)



- Detailed analysis results could be fed/presented to Programme Boards.
  - Seeks specific evidence from:
    - Bespoke Studies
    - Bespoke Modelling
    - Surveys & assoc. analysis
    - Training data
    - Experiments
- Customer was free to operate it and commission/seek wider evidence as needed.

