

This presentation is from the 2008 Integrated EA Conference

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see www.integrated-ea.com

Focusing on Capability - supporting the trades

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Running Order

- Introduction
 - A look at the current environment
- Learning from experience
 - Pathfinders
- Capability Management
 - Putting it into practice - some evolving techniques
- Architectures and their importance
 - Getting the most out of them
- Summing up

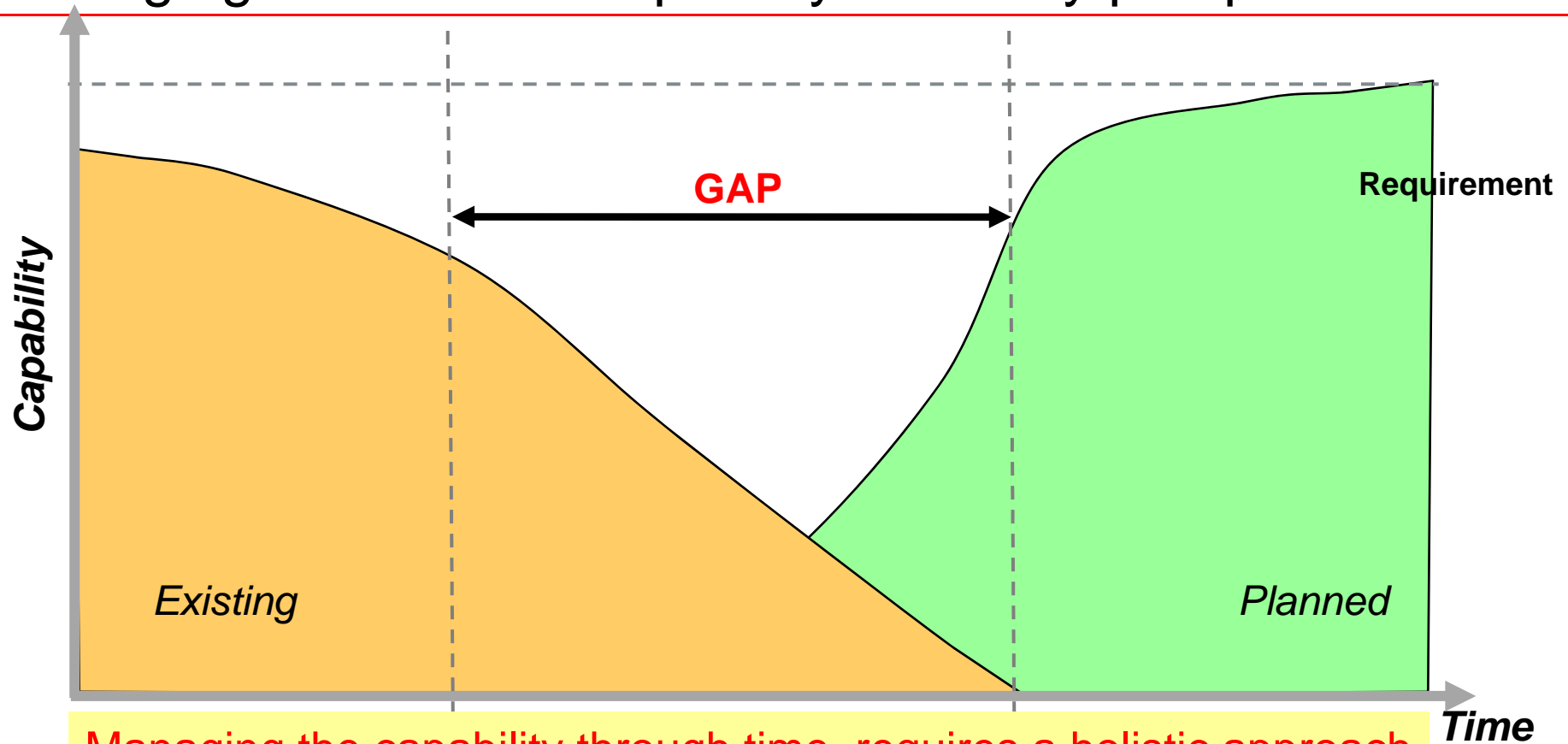
Absolute analysis, absolutely late

- Military Capability is derived from a combination of projects:
 - across the DLoDs
 - including multiple equipments
-cohesively managed through *readiness* and *in sustainment*
- High level OA is needed to set boundaries
- The process has to cycle much faster – 80:20 approach
- Industry should take on a greater role in capability provision
 - Aids better mutual understanding
 - Improves the skill base
 - Adds pace

Better aim?

- Military Judgement, Industrial involvement, joint capability investigations?
-

Managing transition in capability – military perspective



Managing the capability through time, requires a holistic approach
too often a gap opens up – the “do nothing” syndrome
- huge hidden and increasing cost – directly measurable!!

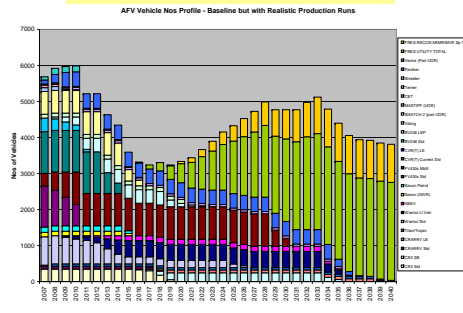
The Acquisition environment has changed..

- There is now an accent on *Capability* – top down Defence policy
- Contracting for Capability is much harder
 - You can at least basically cost a *solution*
....but you can't (top down) cost a *capability*
- Skillbases have both eroded – *and not kept*
- Industry needs to understand outcomes in terms of *capability*
- There are insufficient “systems” in the MoD
- The nature of conflict has changed – *satellite, pace* are paramount
- Programme delivery *must be iterative* – a *TLCM focus*
 - reveal cost drivers
 - Permit “trade” to manage inevitability of the “unknowns”

Opening the “trade space” is critical to achieving more win-win answers

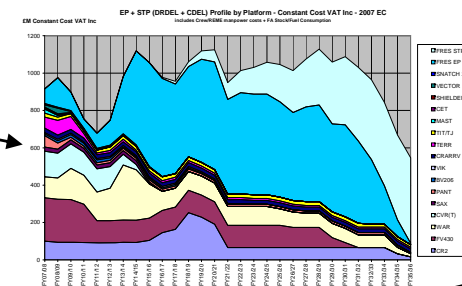
SAVC Pathfinder– a better mix?

Vehicle Mix

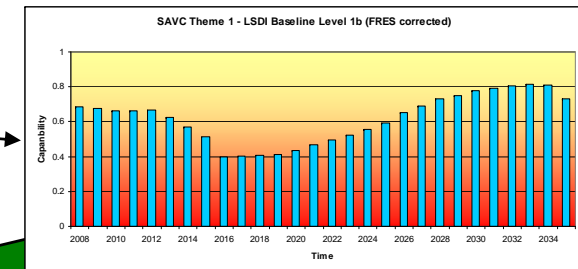


Baseline

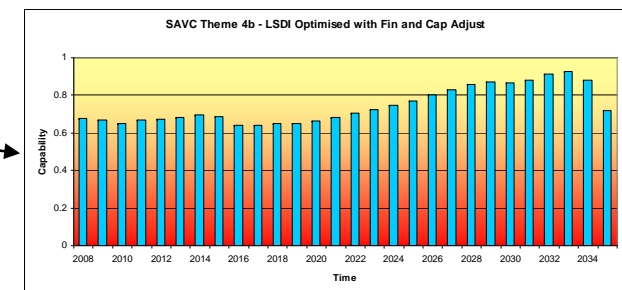
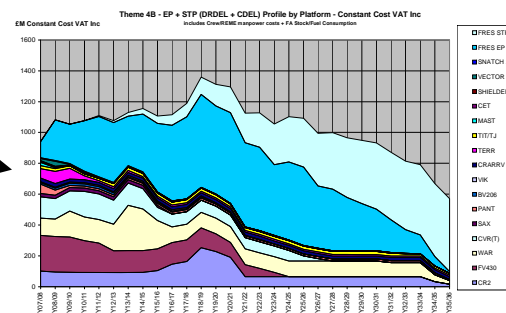
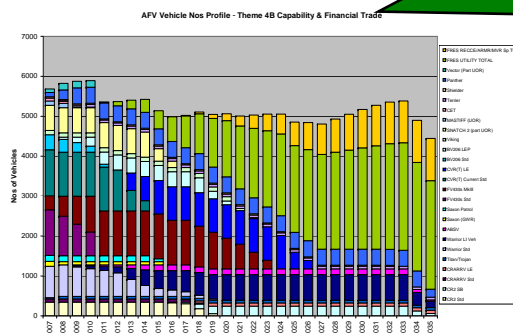
Cost



Capability



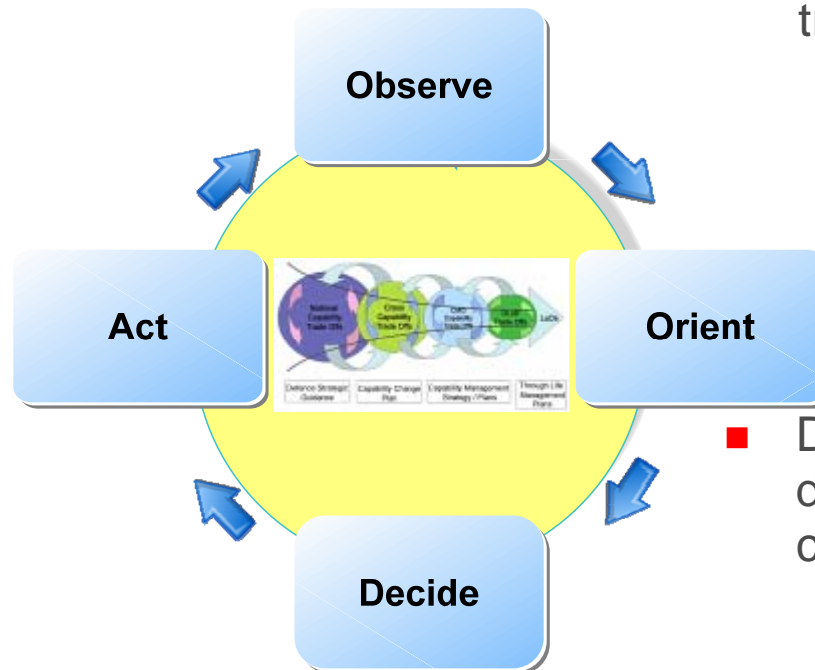
Option



LfE? Good result...but – more rigour, better data, more structure, faster iterations

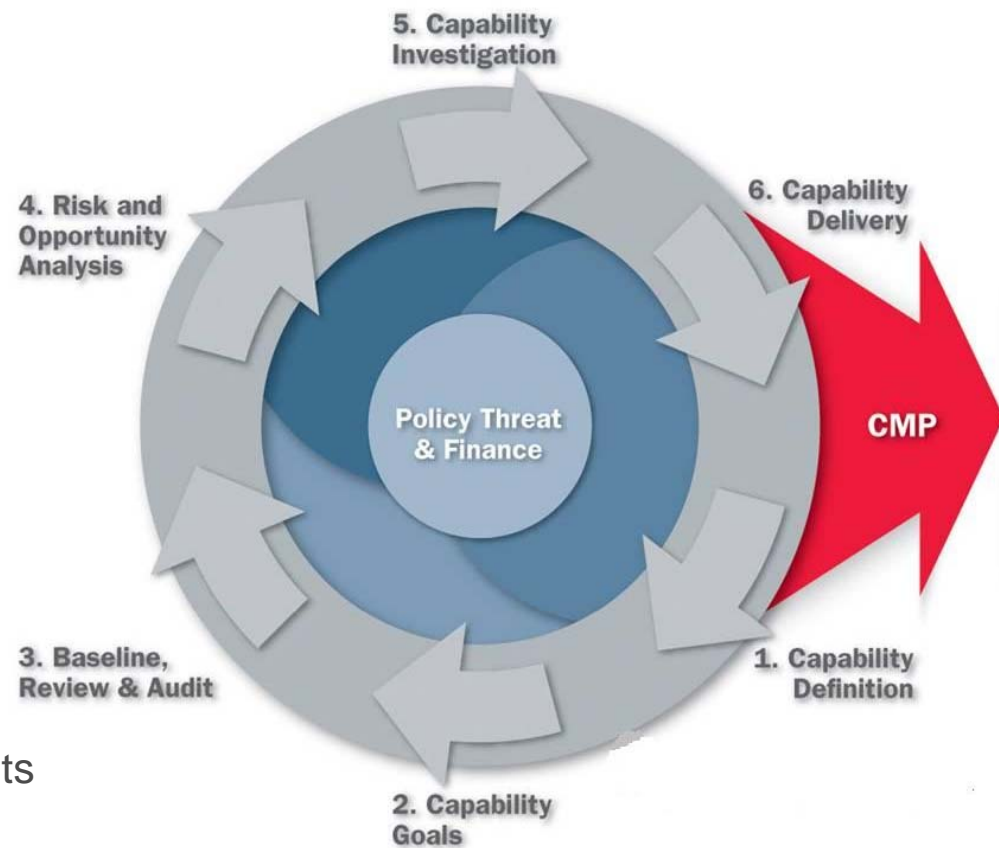
Introducing operational imperative into acquisition

- Getting to grips with acquisition means tightening the cycle time of the loop to match the rate of change of the environment
- Across and within the capability value chain
- Understand the 'capability truth' by –
 - ❑ managing complexity
 - ❑ visualising the situation to orientate, focus and prioritise
- Drive effective / innovative decision making in a complex environment –
 - ❑ across competing DLoDs
- Instil confidence and commitment to drive the right activity to deliver capability required –
 - ❑ FE@R
 - ❑ Capability Based task groups



Connecting the key elements of the solution

- Providing a common currency for analysis and evaluation by exploiting existing investment in MODAF and Architectures
- Providing a recognised picture of the whole situation and the options, for
 - ❑ understanding, communicating
 - ❑ option examination
 - ❑ informed decision making
- Builds on substantial prior investments
- Connecting the threads and the levels to create a single view of the “capability truth”
 - driving coherence, informing and enabling better decisions

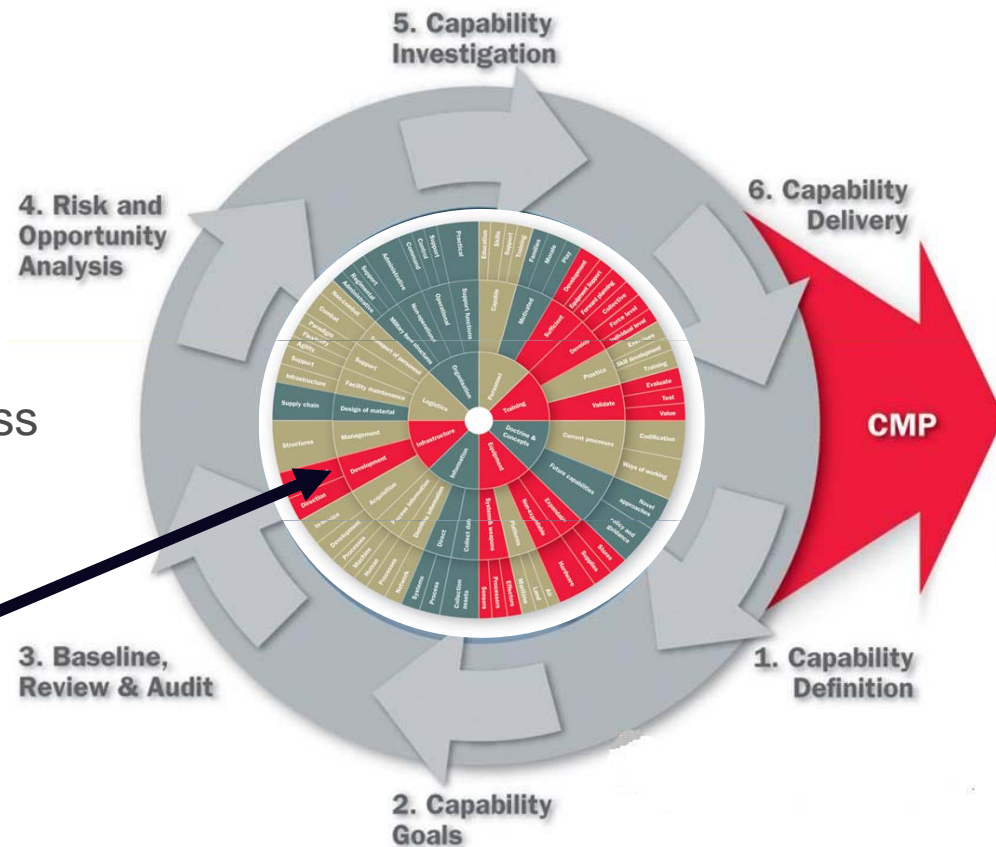


Information to Orientate Decision Making

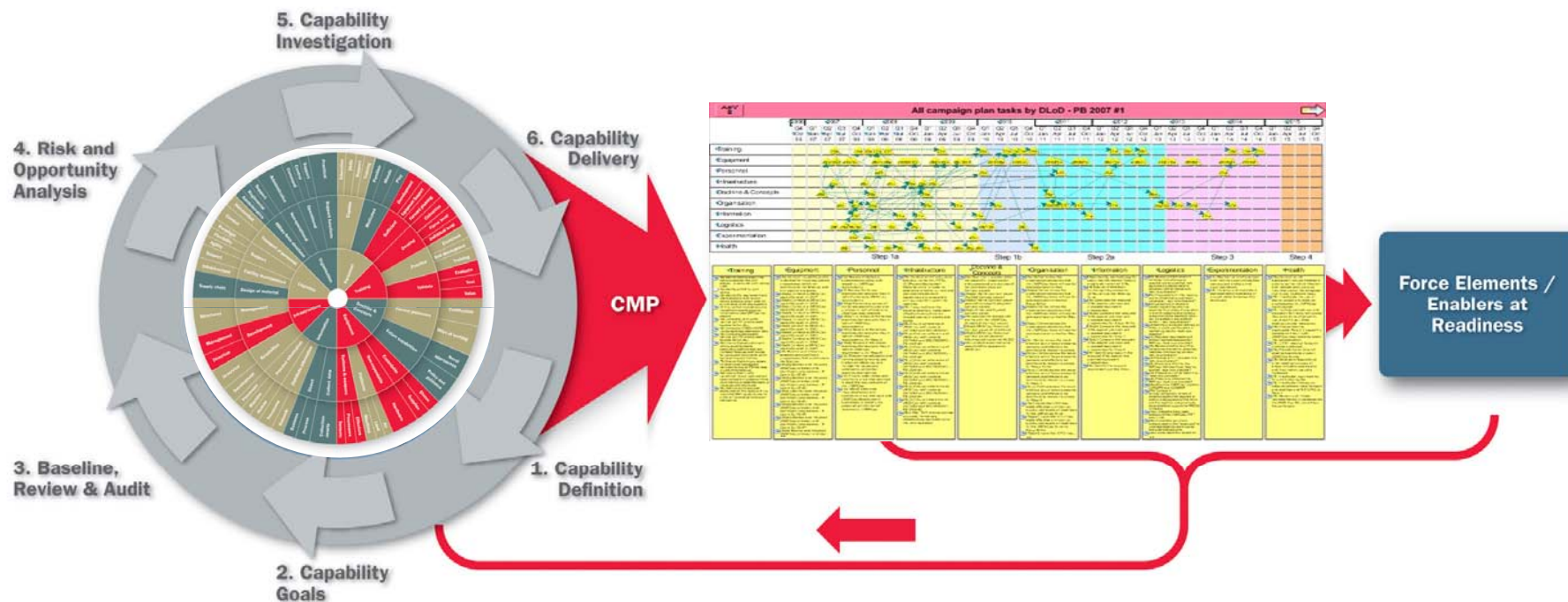
- Bringing to life capability and programme information from diverse sources to provide a decision-support tool for acquisition:

- ❑ shared situation awareness
- ❑ confidence to make commitment

Recognised Acquisition Picture



TRAiDE - building the environment, building the views



- Exploiting existing sources of information to bring the capability planning process to life:
 - Visualising the situation and options
 - Supporting analysis against explicit assumptions
 - Over a common management information set

Summing up

- A great deal has been done to develop *Architectural views*
 - Supporting Capability management
- Making the most of *past investments and experience*
 - Joining up, exploiting what we have
- MoD and Industry – partnering and sharing - *trading*
 - *We are in this together*

- We must achieve coherence across
 - The structural boundaries
 - The communities of interest
 - The environment for trading

- Building an *inclusive* trading environment
.....putting effective *Information Management* at the core

Focusing on Capability

- supporting the trades
- questions?

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