Extended Readiness and Capability Regeneration

Helping the MoD to avoid costly mistakes
Emma Matthews, CORDA, 29th July 2014
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- Challenges
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What is the impact in terms of time and cost of having to regenerate my capability?
Challenges

Generic

Industry & MoD

Cross-DLoD
Solution Developed – Activity Mapping

High-Level Approach taken

Workshop

Individual DLoD Process Maps

Workshop

Combined DLoD Process Maps
Approach Taken
Solution Developed – Model Structure

Enablers & Planners → Capability Development → Green Unit Training

Equipment Delivery

Functioning Units
Solution Developed – Benefits

• Quick model run time allows for rapid-fire analysis

• Simple costing calculations

• Few “hard-wired” dependencies
  • Equipment
  • Personnel, by rank & skill
  • Preceding activities
  • Functioning Units

• Outputs can be easily exported to MS Project

• Allows the feasibility of current plans to be tested
Case Study

- Regeneration of Fast Jet Capability
- 2 scenarios:
  - ‘Organic’ growth – progression through ranks
  - Experienced grades taken from another capability

What are the cost and time implications of these 2 scenarios?
Case Study

Case 1 – Organic Growth
- Small batch of new recruits trained to type by industry
- Once trained, undergo instructor pilot training
- Then train next batch of Flt Lts
- Wait time for promotion and further training

Case 2 – Bring in experience
- Small batch of new recruits trained to type by industry
- Once trained, undergo instructor pilot training
- Train required Flt Lts (new recruits), Sqn Ldhrs and Wng Cdrs (already experienced)
- Experienced hires take longer and cost more to recruit
Case Study Results – Equipment on time

**Case 1 – Organic Growth**

**Mean Model Completion date**
09/08/2038

**Mean Model Run Cost**
£157,095,451

**Case 2 – Bring in experience**

**Mean Model Completion date**
09/01/2029

**Mean Model Run Cost**
£95,179,861
Case Study Results – Equipment delayed

Case 1 – Organic Growth

Mean Model Completion date: 17/07/2042
Δ 4 years

Mean Model Run Cost: £179,525,109
Δ £22m

Case 2 – Bring in experience

Mean Model Completion date: 27/04/2034
Δ5.25 years

Mean Model Run Cost: £125,534,991
Δ£30m

Delay has greater impact on Case 2, but it remains the cheaper and quicker option
Conclusion

Avoidance of costly mistakes

Ability to de-risk current plans

Quick-fire analysis which provides the evidence to justify decisions