



Australian Government
Department of Defence

Williams Foundation Presentation

Actions Required to Facilitate Project Development - LVC

Capability
Development
Group




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Defending Australia and its National Interests
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Presentation Outline

- Modelling and Simulation (M&S) in support of the requirements phase.
- Integrating M&S into the Capability System Lifecycle.
- CDG future M&S pathway.



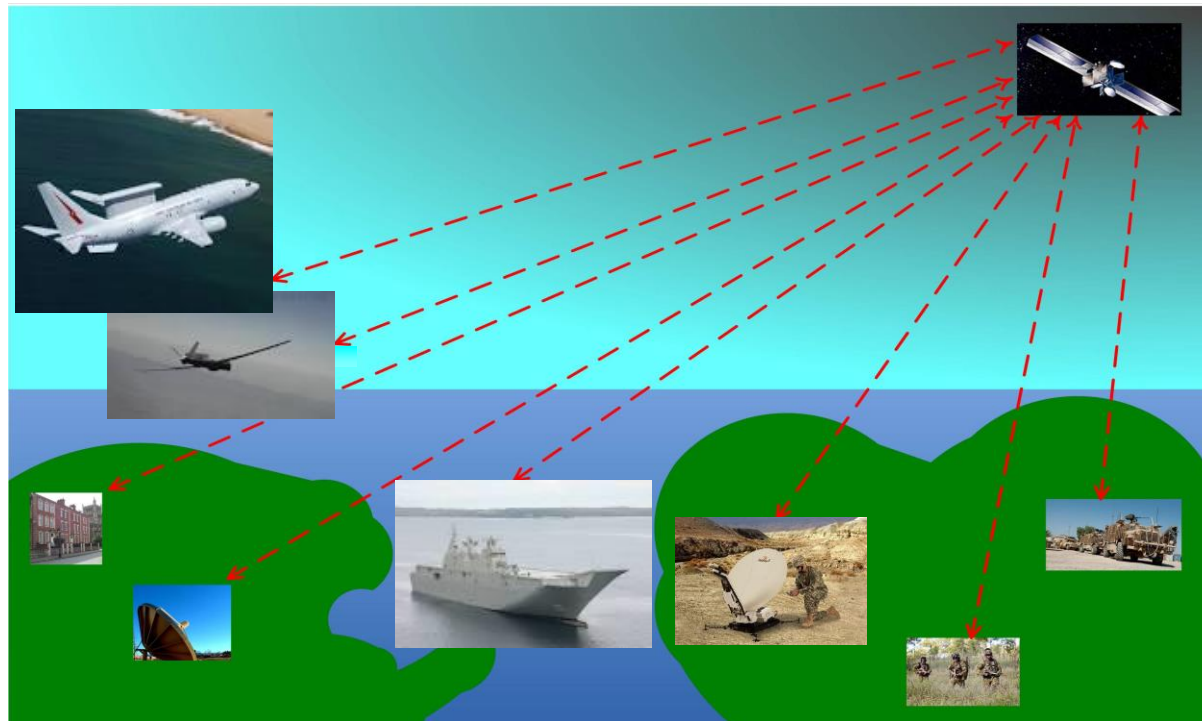
M&S in support of the requirements phase

M&S can:

- clarify complex issues, break impasses with savings in time and cost,
 - identify deficiencies,
 - provide robust analysis, and
 - provide visualisation of options.
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M&S Example – JP 2008

- Nominated operational scenarios,
- Envisaged configurations,
- Surge/growth terminal data rates, and
- Bandwidth, beam and power availability.



Satellite Network Communication Decision Support Tool



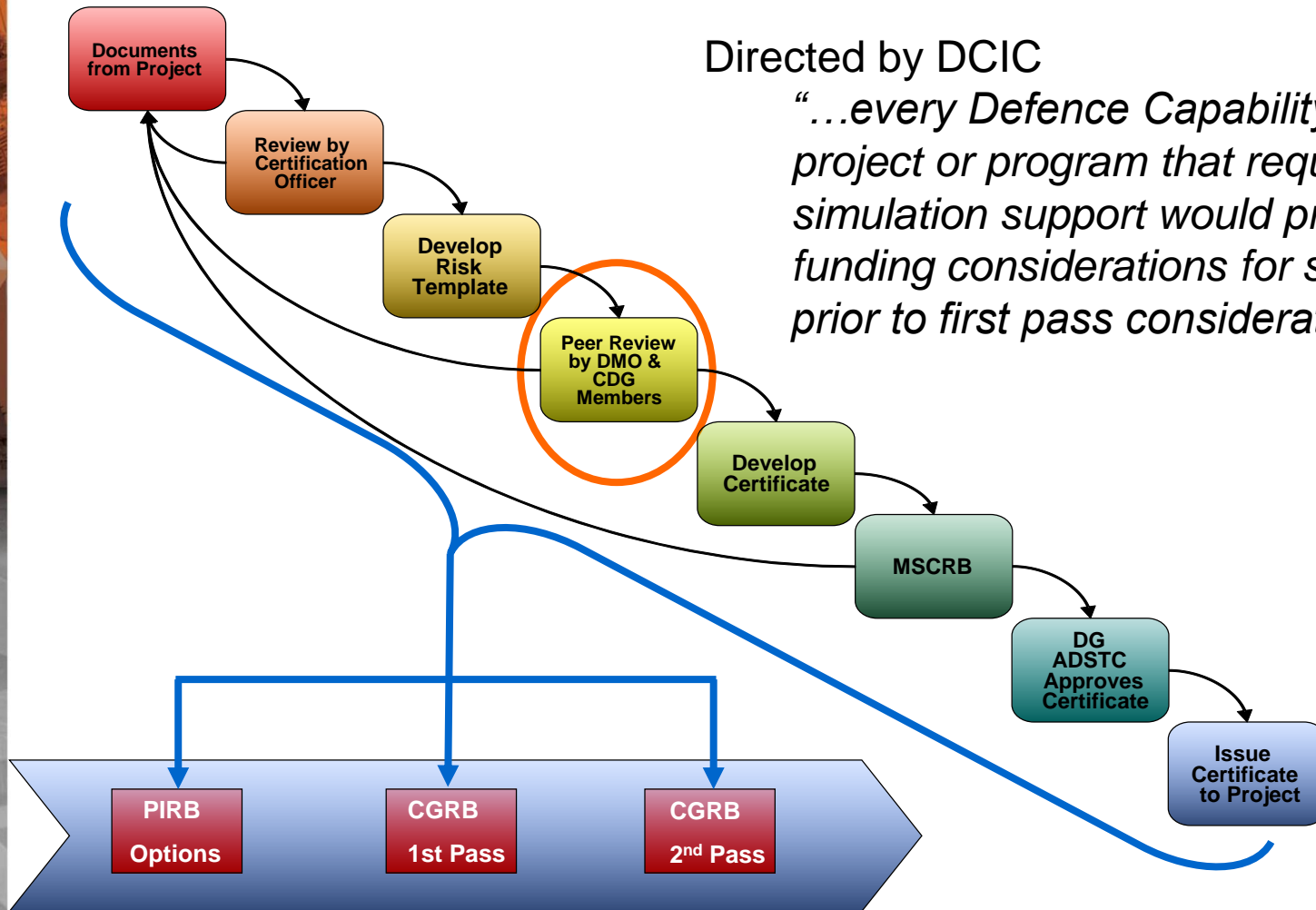
Developing Simulation Requirements

- Align to Defence Simulation Policy.
- Enable simulation training reflecting broad spectrum of ADF partnerships.
- Governance and guidance:
 - Modelling and Simulation Certificate Review Board (MSCRB);
 - Project Support Directorate (PSD); and
 - Joint Force Integration Directorate (JFID).

MSCRB Process

Directed by DCIC

“...every Defence Capability Plan project or program that required simulation support would provide funding considerations for simulation prior to first pass consideration.”

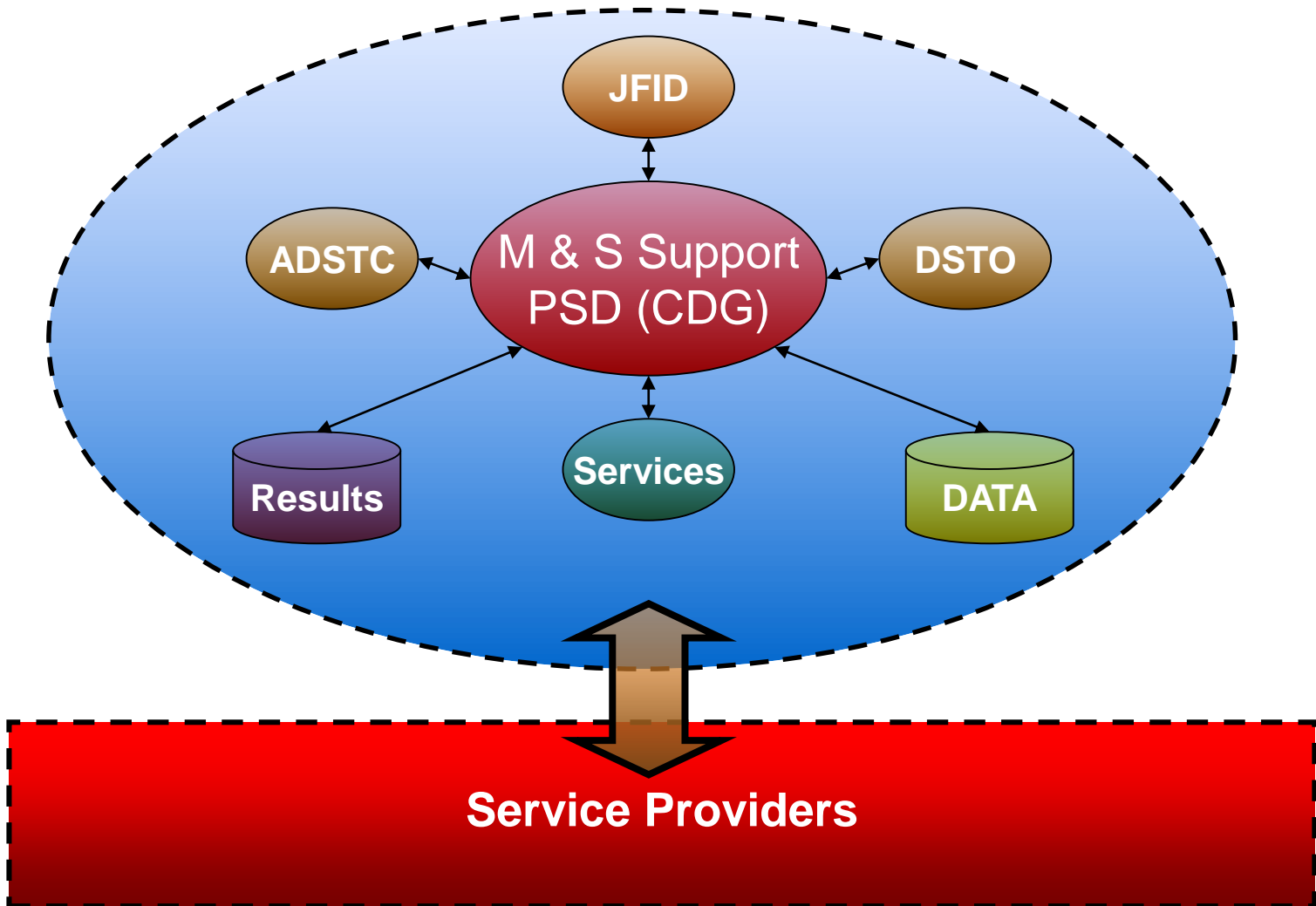


CAPABILITY DEVELOPMENT PROCESS (EXTRACT)

CDG Peer Reviews

- Project Support Directorate
 - M&S Cell
- Joint Force Integration Directorate
 - Project Integration Needs Study (PINS)
 - Project Integration Risk Assessment (PIRA)
 - Integrating Operational Concept Document (IOCD)

Pathway to the future



Conclusion

- Simulation consideration within project development is growing.
- Simulation support to project development is not currently mature.
- Exploiting the growing Australian Defence simulation expertise to enhance capability development.



Questions?
