



THE SIR RICHARD WILLIAMS FOUNDATION

Air / Sea / Land: Integrated Force 2030 Seminar

11 April 2017, National Gallery of Australia

Background

Beginning in March 2014, the Williams Foundation has conducted a series of seminars that explored the opportunities and challenges afforded by the introduction of 5th generation air combat capabilities. Topics that have been explored to date include:

- Air Combat Operations – 2025 and Beyond
- Battlespace Awareness – The Joint Edge
- Integrating Innovative Airpower (held in Copenhagen)
- Training for an Integrated ADF: Live, Virtual and Constructive
- Design-Led Innovation
- New Thinking on Air-Land
- New Thinking on Air-Sea

The Next Step - The Integrated Force Seminar

In April 2017, the Williams Foundation proposes to run a one-day seminar on the topic of Air/Sea/Land: Integrated Force 2030. Having explored the challenges of Air-Land and Air-Sea thinking, the next seminar will explore how the three Services could further integrate under the Joint capability guidance of the VCDF Group.

The seminar will explore the following hypotheses:

- We must operate as an integrated team from the design, through delivery to the operation of the force; failure to act as such will incur unacceptable risk in future operations.
- If we don't 'design' the integrated force we are committed to "after-market" integration.
- We can't build and operate an integrated force using business models developed for acquiring stand-alone, stove-piped capabilities.
- 'Design' is about more than just platforms and systems - it is also about how we acquire, operate and sustain an integrated force in a more complex interconnected global context.
- If we over-complicate the 'design' process, we will stall our efforts and get the same results we have had over the past 20 years – stove-piped capabilities.
- We must, however, recognise that the task load of the three Services in their Raise, Train, Sustain and Capability Manager (CM) roles and the load on the Intel and Joint CMs means that simply delivering a large volume of force design guidance to the CMs will not work.
- Cultural change, as reflected in CAF's strategic plan narrative, is required to prioritise the integrated force outcomes over the individual force priorities where appropriate.

Examples of Integrated Force Thinking

Plan Jericho Vision – To develop a future force that is agile and adaptive, fully immersed in the information age, and truly joint... In order to exploit our new capabilities and win in challenging operating environments, we need to transform ourselves into an integrated, networked force.

USAF Chief – innovation (*integration?*) comes from "tying together three grids in new ways"

- The first is the sensor grid from platforms across the air, land, sea, space, cyber and undersea
- The sensor grid would have to be integrated with the "**effects grid**" which is the combination of all forces in the battlefield, Gen Goldfein explained. 'it goes to our special forces, it goes to what we're doing at sea, its tying those together and what effects are we trying to create'
- The **third grid, command and control**, is crucial, he said. "It's how we tie this all together, old and new, manned and unmanned, penetrating and standoff."

What is the ADF's Integrated Force Narrative?



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Seminar: Air/Sea/Land: Integrated Force 2030

11 April 2017 Program

Time	Topic	Name	Organisation
0830-0915	Registration		
0915-0920	Welcoming Remarks	AIRMSHL Geoff Brown AO (Retd)	Sir Richard Williams Foundation
0920-0930	Seminar Intent	AVM John Blackburn AO (Retd)	Sir Richard Williams Foundation
0930-0950	The Integrated Force Imperative: Vice Chief of Defence Force (the Joint Force Authority) Perspective	VADM Ray Griggs AO, CSC, RAN	Vice Chief of Defence Force
0950-1010	Achieving an Integrated Force by Design - Challenges and Opportunities	BRIG Jason Blain DSC, CSC	Vice Chief of Defence Force Group
1010-1030	Integrated Force Design - the Air Perspective	AIRCDRE Robert Chipman CSC	Royal Australian Air Force
1030-1100	Break–Morning Tea		
1100-1120	Integrated Force Design - the Land Perspective	BRIG David Wainwright DSC	Australian Army
1120-1140	Integrated Force Design - the Sea Perspective	CDRE Philip Spedding DSC, AM RANR	Royal Australian Navy
1140-1205	Panel Discussion	BRIG Blain, AIRCDRE Chipman, BRIG Wainwright, CDRE Spedding	
1205-1210	Acquisition and Sustainment of the Integrated Force - Introduction	AIRMSHL Geoff Brown AO (Retd)	Sir Richard Williams Foundation
1210-1230	Industry View on Integrated Design	Mr Steve Froelich	Lockheed Martin
1230-1330	Break–Lunch		
1330-1350	Industry View on Integrated Design	Lt Gen, USAF (ret) Jeff Remington	Northrop Grumman
1350-1410	Challenges and Opportunities in Acquisition and Sustainment of the Integrated Force	AIRCDRE Leon Phillips	Capability Acquisition and Sustainment Group
1410-1430	Challenges for CIOG in connecting the Integrated Environment	AVM Andrew Dowse AM	Chief Information Officer Group
1430-1450	Joint Capability Acquisition	RADM Tony Dalton AM, CSM RAN	Capability Acquisition and Sustainment Group
1450-1510	Break Afternoon Tea		
1510-1530	The Defence/Industry relationship and the Integrated Force	Mr Andy Watson	MBDA Australia
1530-1600	Panel Session	AVM Dowse, Mr Froelich, LTGEN Remington (Retd), AIRCDRE Phillips, Mr Watson, RADM Dalton	
1600-1630	Launch of the Williams IAMD Study --- Implications for the Integrated Force	AVM John Blackburn AO (Retd)	Sir Richard Williams Foundation
1630-1640	Formal Close	AIRMSHL Geoff Brown AO (Retd)	Sir Richard Williams Foundation

Program current as of 3 April 2017