

ADF Propulsion Systems Symposium



2011

*Reducing Life Cycle Costs Through Innovative
Engine Structural Integrity Management*



*21-23 September 2011
Defence Science & Technology Organisation
Fishermans Bend
Melbourne, Australia*

Proudly sponsored by:

Directorate General Technical Airworthiness – Australian Defence Force

INTRODUCTION

The ADF Propulsion Systems Symposium is the only dedicated forum for military aero engines in Australasia.

The theme for the 2011 Symposium is *Reducing Life Cycle Costs Through Innovative Engine Structural Integrity Management*. Driven by tighter financial constraints, 'smart sustainment' has been identified as the largest area of reform in the Australian Defence Strategic Reform Program (SRP). The Symposium theme aims at promoting more efficient sustainment without impacting airworthiness.

The event is open to all personnel involved in the acquisition and in-service management of ADF fixed- and rotary-wing propulsion systems as well as interested representatives from foreign military forces, science and technology organisations, commercial propulsion organisations and airworthiness regulators.

Topics for discussion include:

- › Engine structural integrity management
- › Critical part life management and usage monitoring
- › Risk analyses and assessment
- › Health and usage monitoring systems
- › Performance based contracts
- › Engine certification in the ADF
- › Maintenance and MRD
- › Engine KPI measurement
- › Revisions to ADF ESI management policy



CALL FOR PRESENTATIONS

Nominations to present are open to all attendees provided the content is relevant to the audience and provides a training or educational benefit. Delegates will represent:

- › Operational squadron maintenance units
- › Acquisition project offices
- › In-service program offices
- › Commercial MRO facilities
- › TLS contractors
- › OEM representatives
- › Science and Technology organisations
- › Foreign military forces
- › Airworthiness regulators



Time slots will typically be 30 minutes including question time, but may be tailored upon request. International presenters may be offered a 45 minute timeslot.

Additionally, it is requested all Engine Structural Integrity Managers of ADF platforms provide a 5-10 minute overview of their engine fleet and top 5 issues. A standard slide template will be provided for this purpose.

Those wishing to present may nominate via the registration process. An abstract of approximately 100 words and a short biography will also be required by email to nathan.poyner@defence.gov.au by **2 Sep 2011**.

PRELIMINARY PROGRAM

Wednesday 21 September

0900 – 0930 Registration
0930 – 1700 Symposium Day 1
1900 Symposium Dinner

Thursday 22 September

0900 – 1700 Symposium Day 2

Friday 23 September

0900 – 1200 Symposium Day 3



VENUE

The Symposium will be held in the David Warren Auditorium at the Defence Science and Technology Organisation, Fishermens Bend, located 4km west of Melbourne CBD. The address is Building 22, 506 Lorimer St Fishermans Bend, Melbourne VIC 3207. [Click here for a map.](#)

NB: The 2010 Symposium was held at RAAF Base Williams. The venue has changed this year to provide improved seating and viewing.

SYMPOSIUM DINNER

The Symposium dinner will be held at one of Melbourne's excellent CBD restaurants on Wednesday evening (user pays). Please indicate your intention to attend on the registration form. Details to be provided closer to the event. For previous delegates, look out for something new this year.

SIDE MEETINGS

Tuesday and Friday afternoon are available for delegates to hold side meetings with DGTA or other organisations in attendance at the symposium. Please contact the event organiser to arrange a meeting.

REGISTRATION

To register please complete the electronic form accompanying this brochure and submit electronically by **19 August 2011**. One form per delegate.

There is no cost to attend the Symposium. Light lunch and morning and afternoon teas are provided courtesy of DGTA-ADF. Delegates will be responsible for funding attendance at the Symposium dinner (\$40-50pp payable on the day).

KEY DATES

Registrations due:	19 Aug 2011	Abstracts due:	2 Sep 2011
Presentations due:	16 Sep 2011	Symposium:	21-23 Sep 2011

EVENT ORGANISER AND PRESENTATION ENQUIRIES

Squadron Leader Nathan Poyner

Officer-In-Charge, Engine Structural Integrity Section
Directorate General Technical Airworthiness – ADF

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ACCOMMODATION

Delegates are responsible for organising and funding their own travel and accommodation.

ADF MILITARY PERSONNEL

Accommodation is available for serving members of the Australian Defence Force at RAAF Base Williams, Laverton located 20km west of DSTO. To make a reservation, email the RAAF Williams Accommodation Manager at snellj@transfieldservices.com or telephone (03) 9256 2125 and quote reference number RMS 169481. Reservations should be made prior to **17 Sep 2011** - availability of rooms after this date cannot be guaranteed. Please note personal transport is recommended if staying at RAAF Williams. Allow 45 minutes driving time to DSTO due to traffic.

CIVILIAN AND OVERSEAS MILITARY PERSONNEL

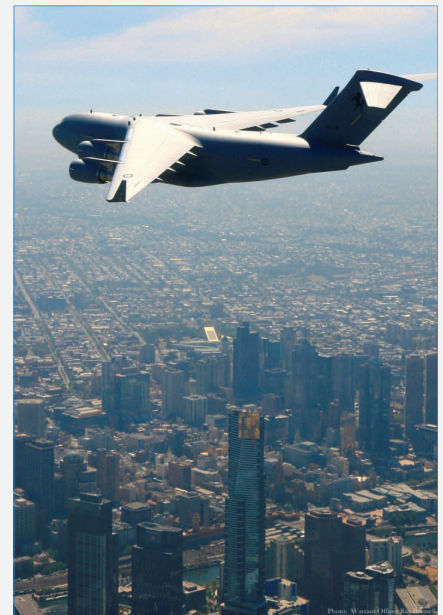
For convenience it is recommended to stay in the Melbourne central business district (CBD).

Melbourne CBD

Experience the restless creative energy pushing back at seeming conservatism in Australia's cultural capital, the best of which is in the CBD. There are a variety of hotels and serviced apartments to suit, located 4-5km from the Symposium venue. The closest to the venue is the Hilton Melbourne South Wharf.

Travel to the venue from the CBD is either by car or by bus. Allow 20 minutes to drive from the CBD to the venue. As there is no free on-street parking in the city between 0730 and 1930, delegates may prefer to avoid the use of a car and instead take the bus. Routes 235/237/238 operate from the city (anywhere between Flinders/Market St and Southern Cross Station) to Lorimer St, Fishermans Bend.

For more information on public transport visit www.metlinkmelbourne.com.au and [click here for a map](#) of the venue location.



MELBOURNE

As the Symposium finishes on a Friday afternoon, we encourage all interstate and overseas delegates to stay for the weekend and enjoy the sights and sounds of Melbourne. For more information about the city visit www.visitmelbourne.com.au.