

## **Report for RNSA on “Smart Decision Making for Clean Skies (Modern Air Traffic Management and the Environment)”**

July 2008 saw two Defence and Security Applications Research Centre (DSARC) hosted conferences. The first conference on July 2, ***Smart Decision Making for Clean Skies (Modern Air Traffic Management and the Environment)*** was a 2 day event co-sponsored by Airservices Australia and the Research Network for Secure Australia (RNSA) attracting attendees from government, defence and industry. Presentations described some of the new concepts and technologies now under development for the next generation of air traffic management systems, how these may contribute to both increased capacity and reduced emissions, and some of the research work now under way to validate these developments.

The conference was opened by the Deputy Rector, Prof. John Arnold, and the CEO of Airservices, Mr Greg Russell, closely followed by the first of the international presenters , Ken Jones and Thomas Graff from NASA with their talk on “ADS-B In-Trail Procedures: Improving Trajectories, Saving Fuel”. Our second international speaker, Sgouris Sgouridis, from MIT, presented “Modelling the air transportation system under carbon constraints”. The conference dinner, held at Old Parliament House at the conclusion of day one, gave the attendees a chance to relax and informally chat. The last of our international presenters, Marc Brochard from Eurocontrol Paris, concluded the overseas contingent on day two with his presentation on “ATM Automation Reality and Perspective”.

The Conferences were deemed a success with much positive feedback from all.