



# Tactical systems performance assessment

DST research and innovation in modelling, simulation, analysis and experimentation is aimed at providing a tactical performance advantage for the ADF in complex contested environments.

## Research outcomes

- Weapons technical intelligence – applying modelling and simulation of threat weapons systems to the MH17 incident has led to a better understanding of the events that occurred.
- Integrated air and missile defence – an integrated closed loop simulation of a real threat scenario resulted in development of optimised tactics for mission success.
- Integrated air and missile defence – conducting a virtual experiment of the RAN Frigate operations room layout has reduced the risk of a suboptimal operations room design for SEA 5000.
- Land active protection systems – constructive modelling and simulation of Active Protection System concepts is enabling the evaluation and integration of future technologies for LAND 400.

## Partnering opportunities

DST is interested in developing strong collaborative partnerships with academia and industry in line with Tactical Systems Performance Assessment capabilities, in aspects of:

- Complex facilities operations and management
- Modelling and simulation
- Hardware simulation capabilities.



**For more information contact:**  
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