



Moderate complexity, 12 weeks work

# Army Aviation Training & Training Support (AATTS)



Based at Oakey



# AATTS

- Rob Brownie was sole ExtendSim modeller of AATTS in support of BDA (proposing to add further value to aircrew training).
- ExtendSim used to model high level of detail to test total training system solution proposed to Army, with view to improving time to train (ttt) & resource utilisation.
- Inclusions – 6 concurrent courses plus all major resources
  - Classrooms & instructors
  - B206 Kiowa, Bell 412 & S-70A-9 Blackhawk aircraft)
- Verification & Validation (steady state ave. 12 runs, SimTecT 2008)
  - Helicopter Conversion Course (21 cses), ttt = Mean 11.2, st dev 1.1 wks, **within 4%** of historical
  - Helicopter Tactics Course (21 cses), ttt = Mean 11.4, st dev 0.9 wks, **within 2%** of historical
  - Operational Type Transition Course (21 cses), ttt = Mean 10.2, st dev 0.4 wks, **within 10%** of historical



# AATTS



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## BDA AATTS contract expanded

12 Mar 2010

Boeing Defence Australia (BDA) has signed a \$44-million change proposal with the Commonwealth of Australia to increase the scope of the Army Aviation Training and Training Support (AATTS) contract.

Awarded the contract in 2007, BDA has been supporting the Army's Black Hawk and Kiowa helicopters with pilot, aircrew and technician training, operational fleet maintenance, and support services at the Army Aviation Training Centre in Oakey.

Following detailed operational reviews, the Commonwealth and BDA changed the scope of the AATTS contract to reflect the Army's current and future aircrew training requirements.

Under the updated contract, BDA is additionally responsible for delivering:

- The Initial Army Pilot Helicopter Qualification Course, using the B-206 Kiowa
- 85 per cent of S-70A-9 Black Hawk pilot training
- CH-47 Chinook helicopter instructor and technician training.

The \$44-million agreement also includes the Commonwealth's first one-year extension of AATTS, continuing the contract until September 2013.

The original AATTS contract includes five one-year extension options.

"The Commonwealth's decision to both increase the scope of AATTS and extend the contract until 2013 reinforces BDA's position as the preeminent ab-initio training provider to the Australian Defence Force," Mark Brownsey, BDA senior manager for Global Services & Support - Training Operations, said.



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## Rob Brownie modelled AATTS


The discrete event systems modelling support for the AATTS task at Boeing Defence Australia was conducted by Rob Brownie during 2008-09, in his then capacity of senior operations analyst and air domain subject matter expert in the Systems Analysis Laboratory.

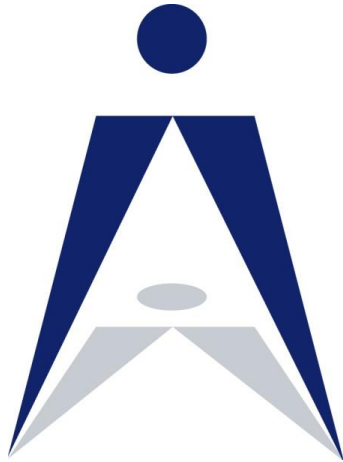
This modelling task was Rob's alone (Air SME).

Rob received a Boeing internal award, "For successful completion of the AATTS six course Extend™ model and for exceptional service during 2008 to the Boeing Services Australia business unit."



# So what?

- We modelled & understood the current system in order to improve the future system.
- Once Army customer realised that model reflected their current system (including demonstrating known problems), they were sold on benefits to test a range of possible futures.
- Verification & Validation. 
- Tested BDA & Army ideas re changes to course structure (Pilot & Aircrewman) in order to improve time to train & resource utilisation.
- Analytical work led to contract expansion of \$44m that was officially announced in media on 12<sup>th</sup> March, 2010 (Australian Defence Magazine).



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