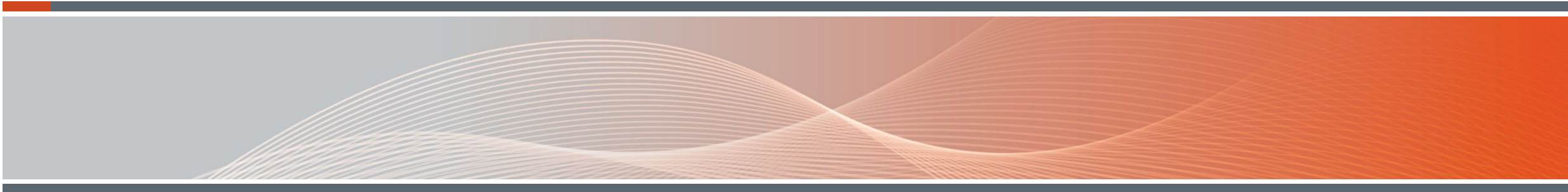




Australian Government
Department of Defence
Capability Acquisition and
Sustainment Group

Modernisation of Australia's Armoured Simulation Capability



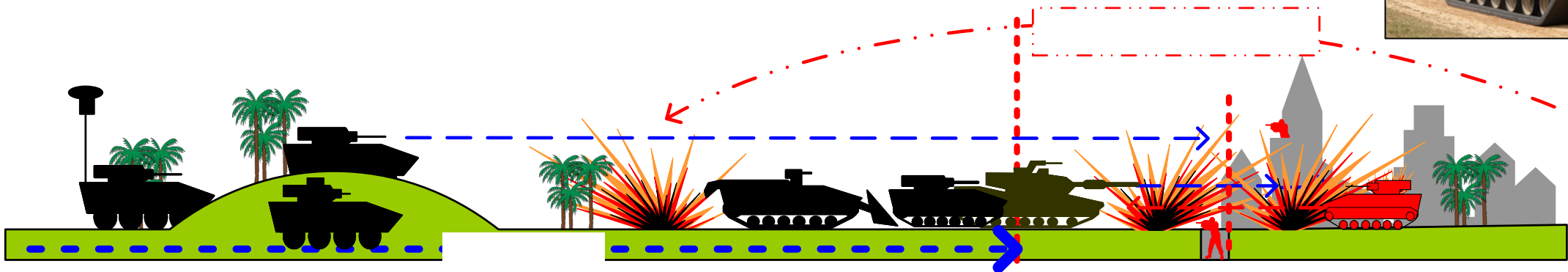
LTCOL Ryan Pearce
Armoured Fighting Vehicle Branch
Capability Acquisition and Sustainment Group

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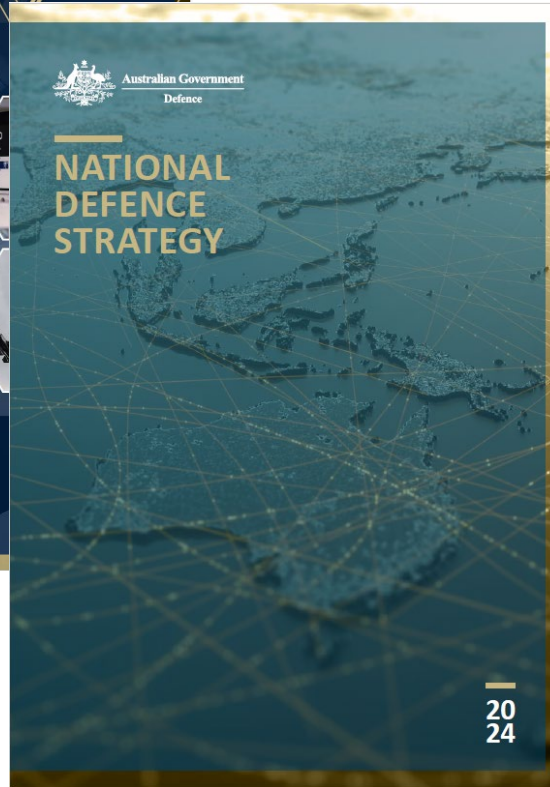


Scope of Presentation

- Australian Army combined arms modernisation
- Army's approach to simulation
- Reconfigurable Driver Simulator
- Armoured vehicle simulation
- Continuous improvement of simulation capability



Modernisation of Defence Systems and Processes



Acquisition Introduction Sustainment

Australian Army Combined Arms Fighting System Modernisation



2024
2025
2026
2027
2028
2029
2030

2024
2025
2026
2027
2028
2029
2030

Boxer CRV

AS21 Redback IFV

M1A2 Abrams SEPv3
ABV, JAB, M88A2

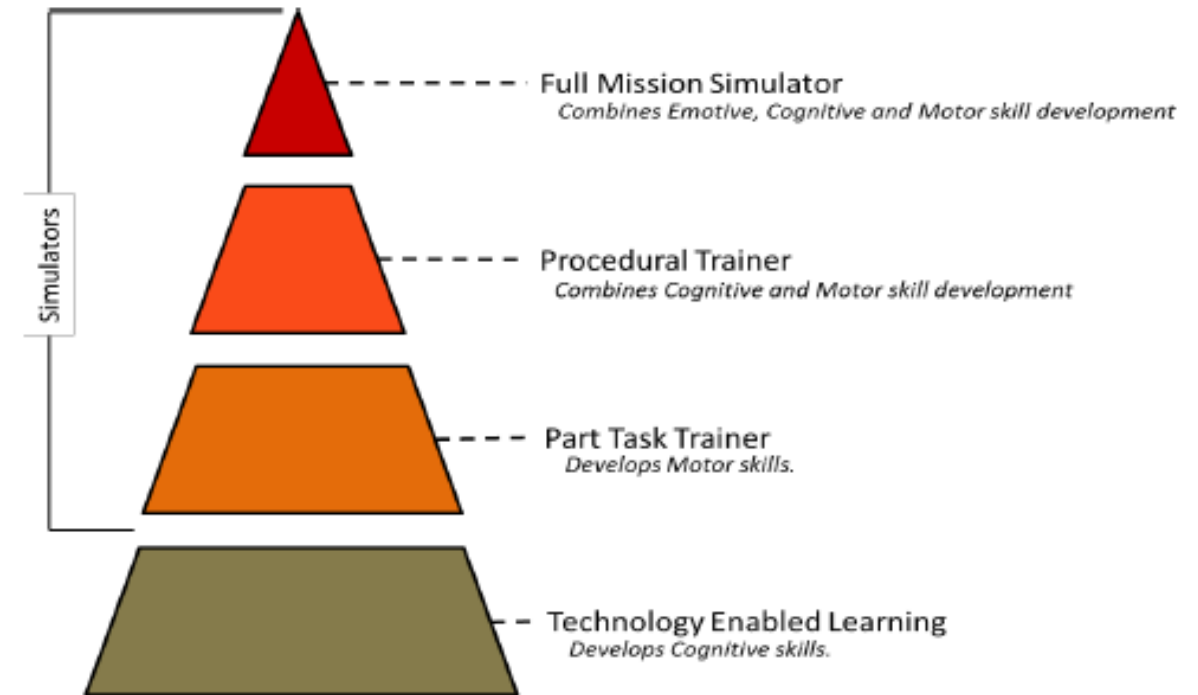
AH-64E Apache

AS9 Huntsman



Purpose of Simulation in Armoured Fighting Vehicle Training

- Armoured Vehicles becoming increasingly complex
- Escalating operating costs
- Simulation is highly effective for training:
 - Employment of complex systems
 - Individual, crew and collective drills
 - Tactical decision making
 - Integration of combined arms forces
 - Mission rehearsal
- Increased in-barracks simulation prepares soldiers for higher standard of field training
- Higher standard of training prior to field deployment increases:
 - Safety
 - Confidence
 - Combat effectiveness



[Youtube - Introduction to UMS Reconfigurable Driver Simulator](#)

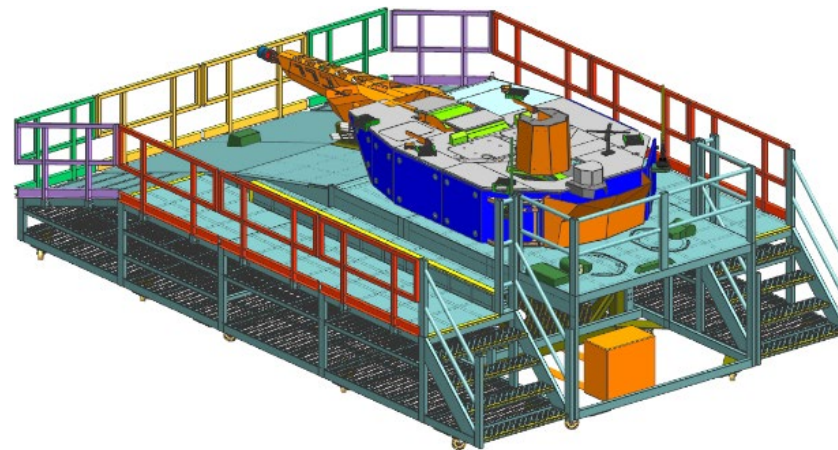
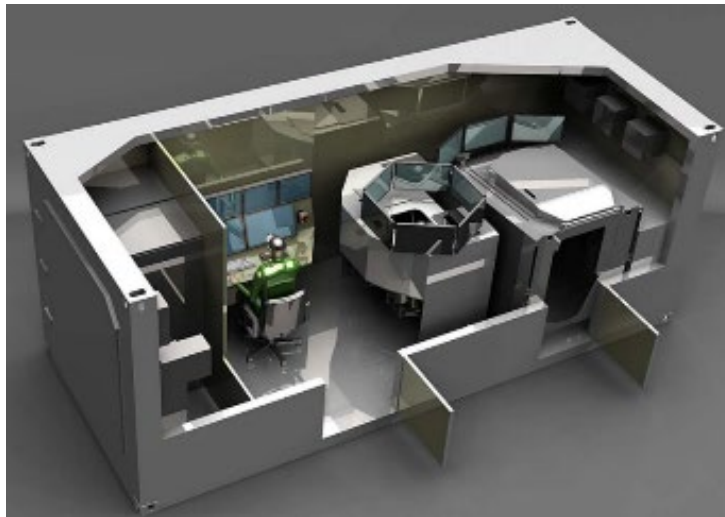
Simulation and Training Systems – Reconfigurable Driver Simulator

- **Reconfigurable**
 - Boxer CRV
 - M1A2 SEPv3
 - M88A2
 - M1150 ABV
 - Redback IFV
- **Immersive**
- **Dynamic**
- **Efficient**



Simulation and Training Systems – Boxer CRV

- Accessible
- Immersive
- Performance focused
- Networked
- Deployable



Simulation and Training Systems – Hanwha Redback IFV

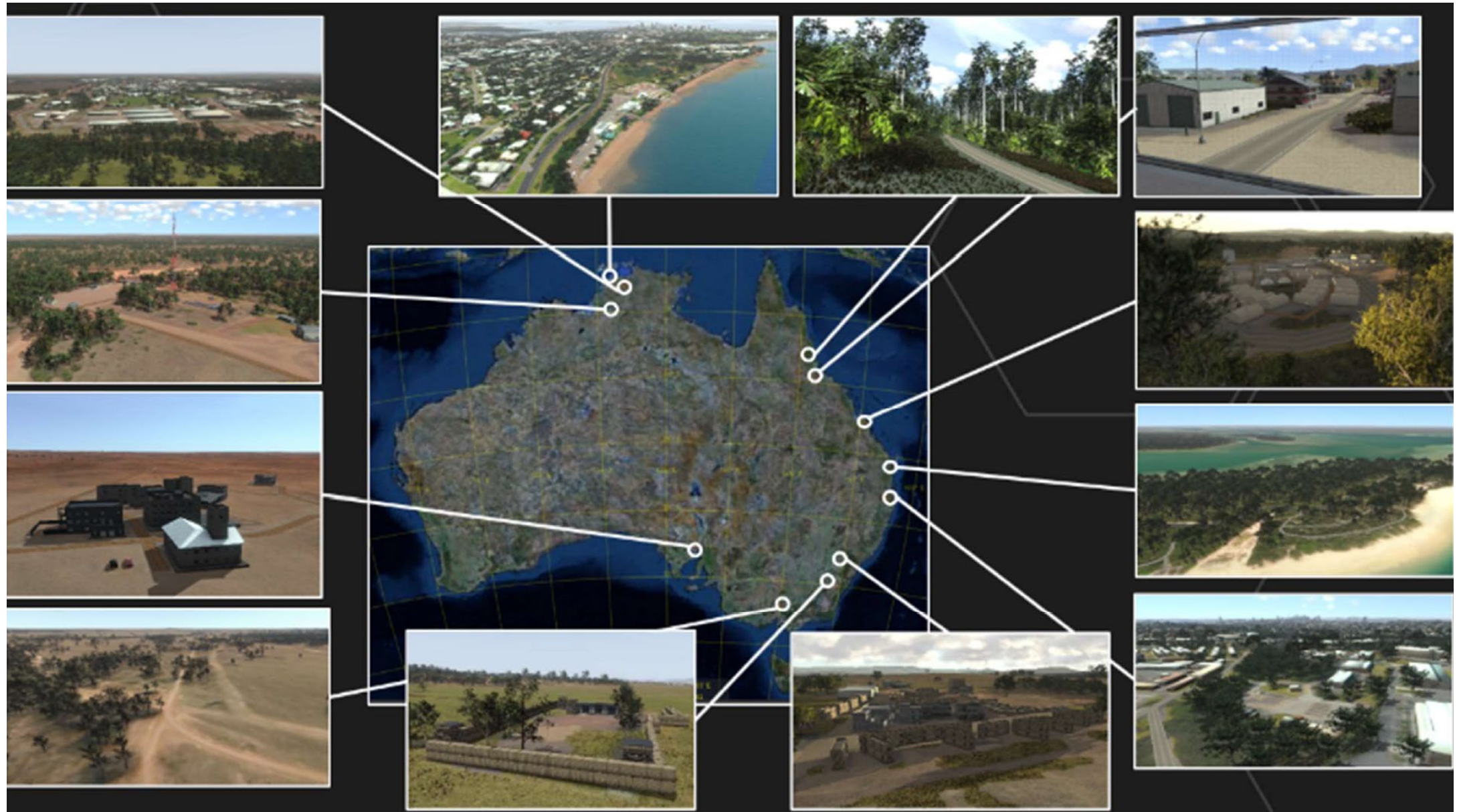
- Accessible
- Immersive
- Performance focused
- Networked
- Deployable



Simulation and Training Systems – M1A2 ABRAMS SepV3

- Accessible
- Immersive
- Performance focused
- Networked
- Deployable





- Generic Training Simulation Architecture
- Integrated into all training levels
- Enhance combined arms training
- Simulate known environments
- Combine immersive simulation and live training





Questions?