

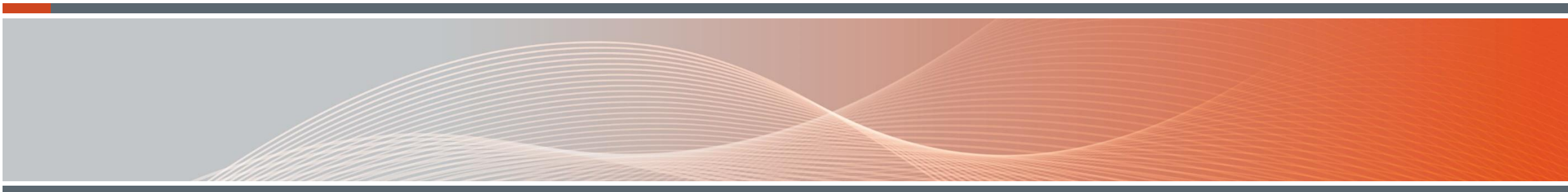


Australian Government
Department of Defence
Capability Acquisition and
Sustainment Group



Employment of Boxer as a Combat Reconnaissance Vehicle

Land 400-2 – Mounted Combat Reconnaissance Capability



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

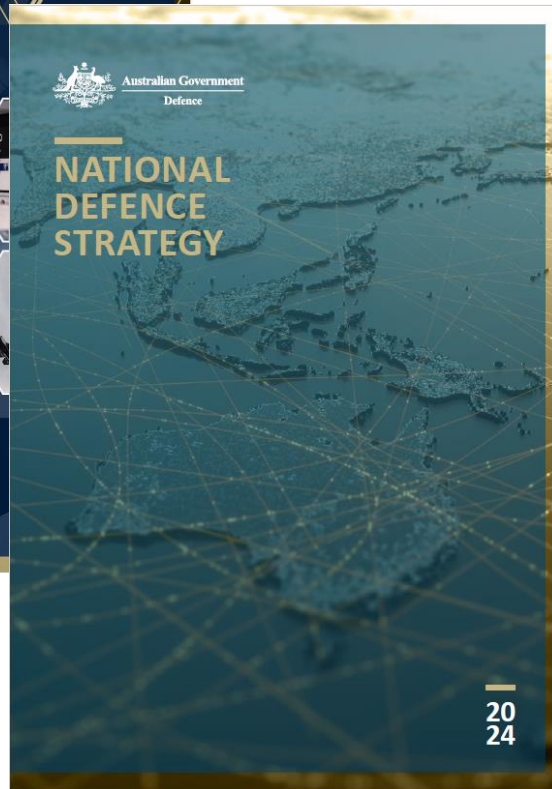
To defend Australia and its national interests in order
to advance Australia's security and prosperity
www.defence.gov.au



- Australian Army combined arms modernisation
- Overview of Australian Boxer CRV Project
- Employment of Boxer CRV in a combined arms reconnaissance role
- Lessons learned from 2nd/14th Light Horse Regiment on employment of Boxer CRV over the past 3 years



Modernisation of Defence Systems and Processes



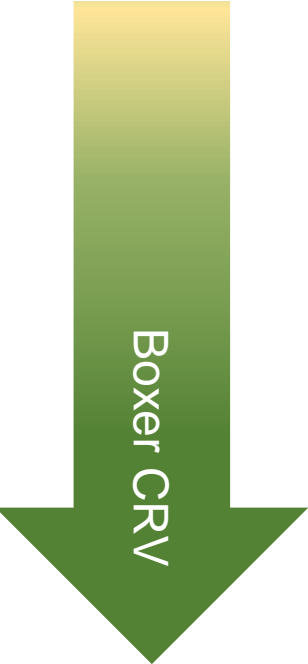
Acquisition Introduction Sustainment

Australian Army Combined Arms Fighting System Modernisation



2024
2025
2026
2027
2028
2029
2030

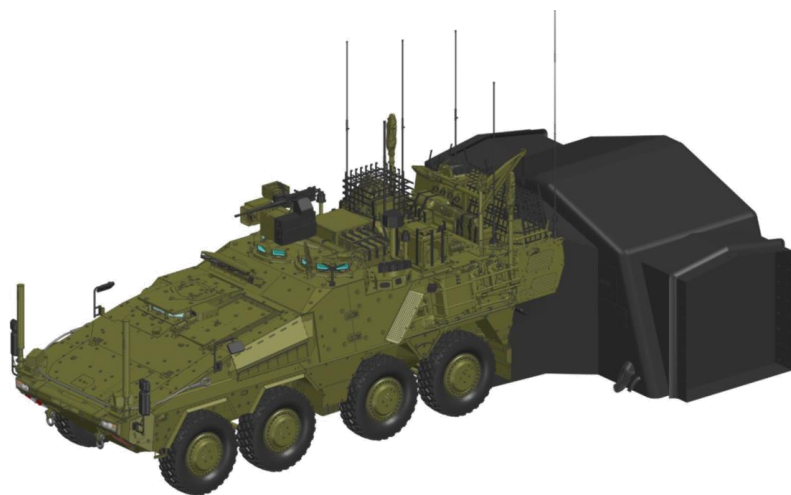
2024
2025
2026
2027
2028
2029
2030



Boxer CRV – Australian Variants

- **All Boxer CRV Variants**

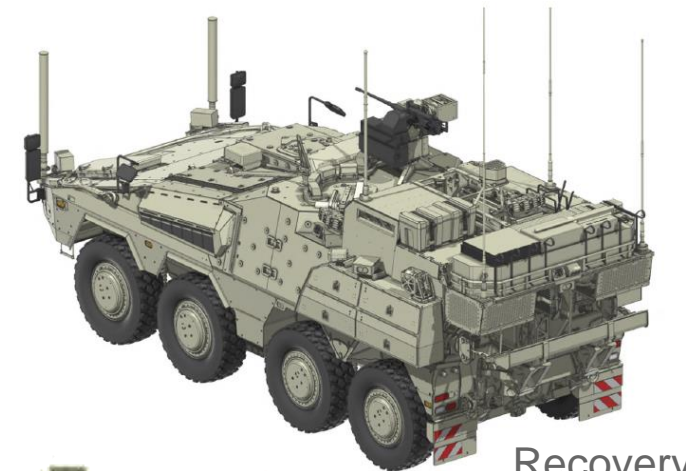
- Integrated Combat ISR System with multi-band communications
- Rover 6S Full Motion Video Receiver
- Laser and acoustic sensor suites
- 40mm Rapid Obscuring System
- Multi-Spectral Camouflage System
- CBRN detect and protect
- EOS R400S HD Remote Weapon Station (Non-turreted variants)



Command & Control



Joint Fires & Surveillance



Recovery

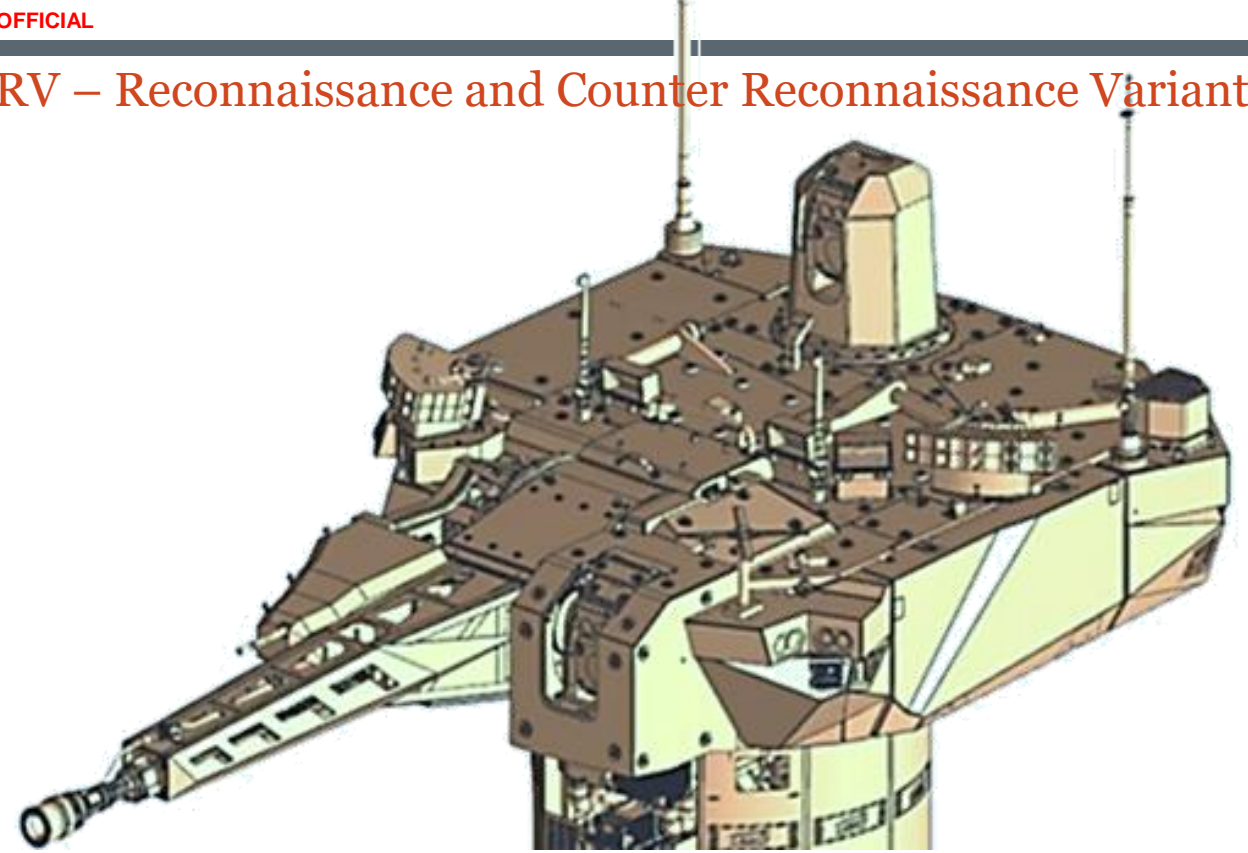


Repair

Boxer CRV – Reconnaissance and Counter Reconnaissance Variant

- **LANCE 2.0 Turret systems:**

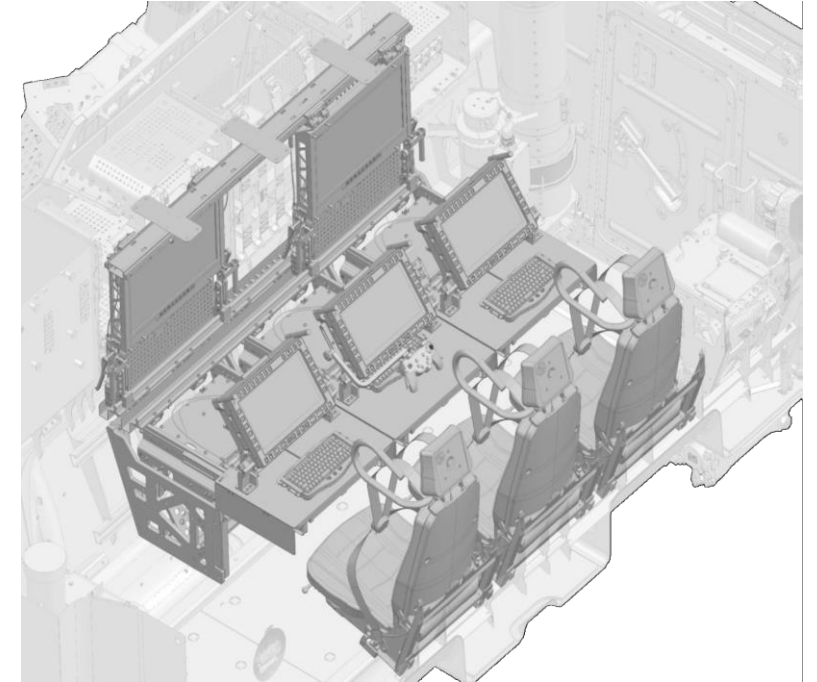
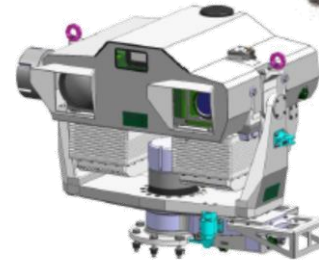
- Manned turret
- Crew-focused design
- Accelerate decision making
- Layered observation systems
- Mauser MK30-2 cannon
- MAG58 coax machine gun
- Spike LR2 Anti-tank Guided Missile
- Resilience through redundancy



Boxer CRV – Joint Fires, Surveillance and C2 Variants

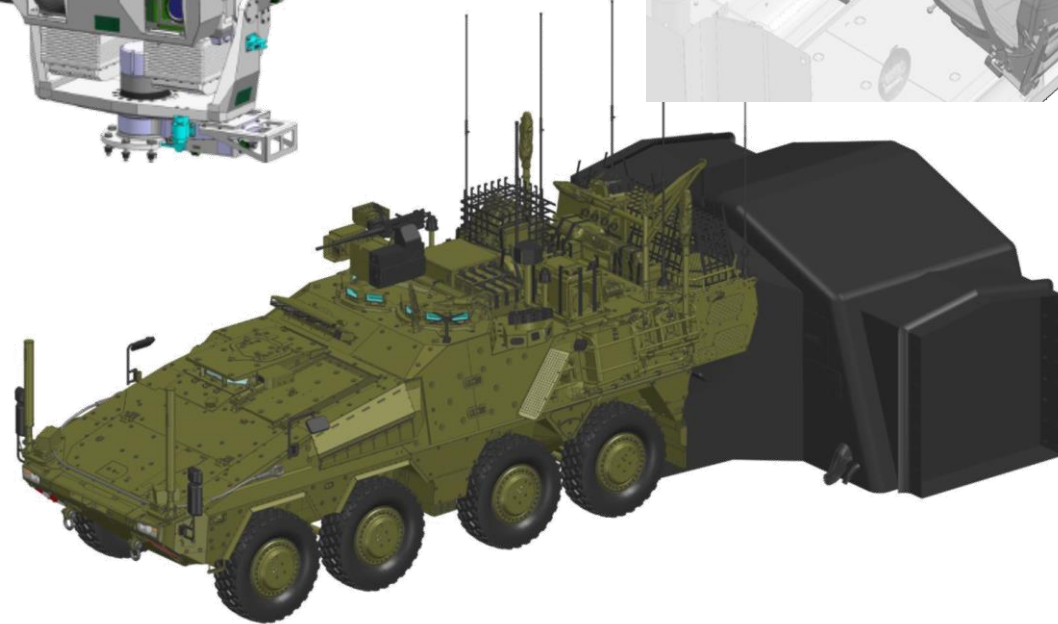
- **Joint Fires and Surveillance Variant**

- Shared situational awareness
- 8m mast with VINGTAQS 2.0
 - Long range optical and thermal sensors
 - Laser Range Finder
- Ground Surveillance Radar (Surveillance)
- Target Designating Laser (Joint Fires)

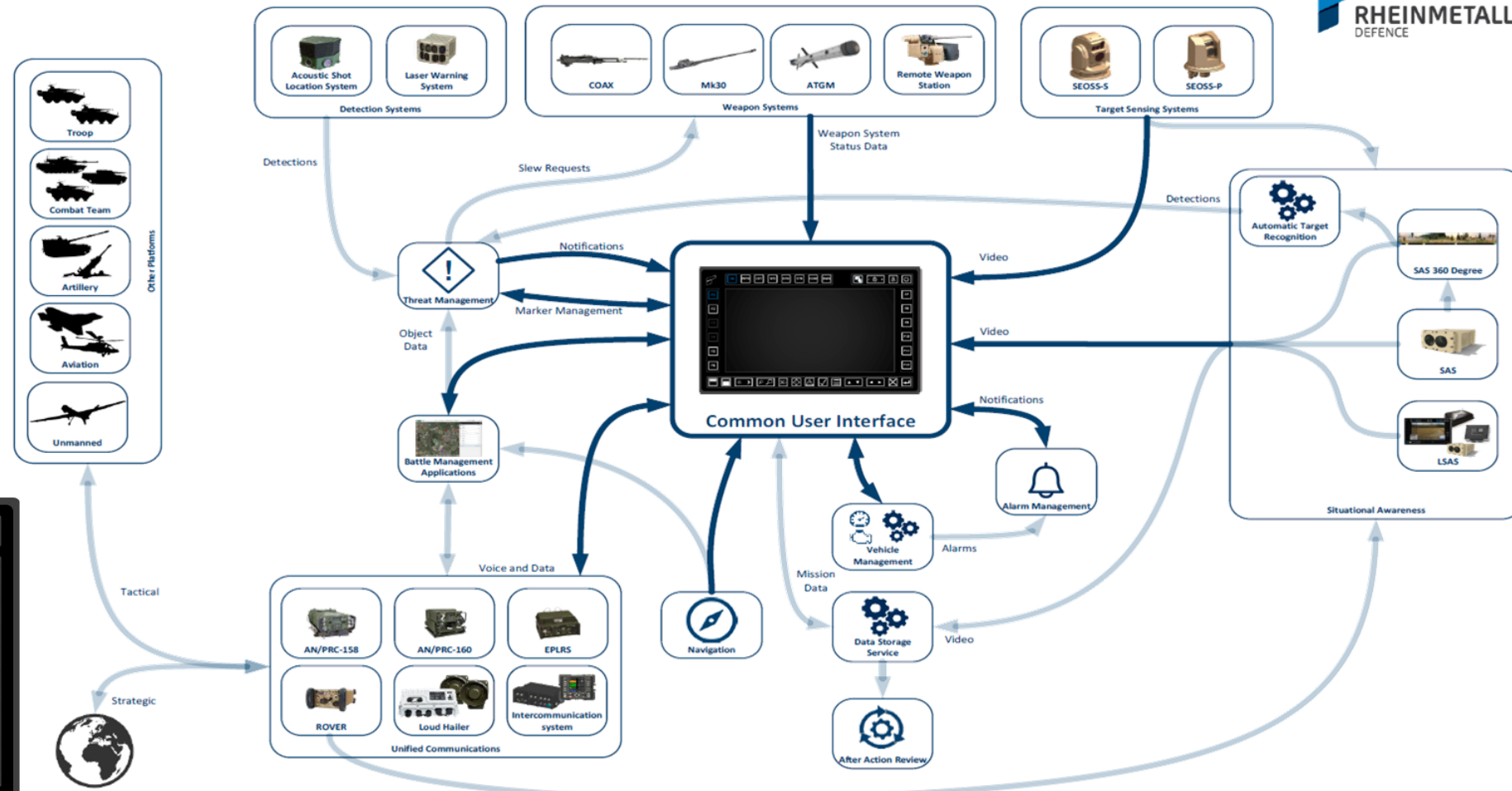


- **Command and Control Variant**

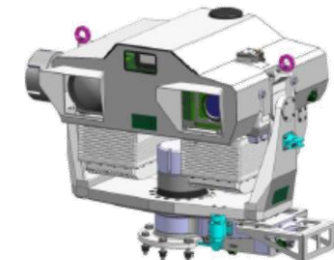
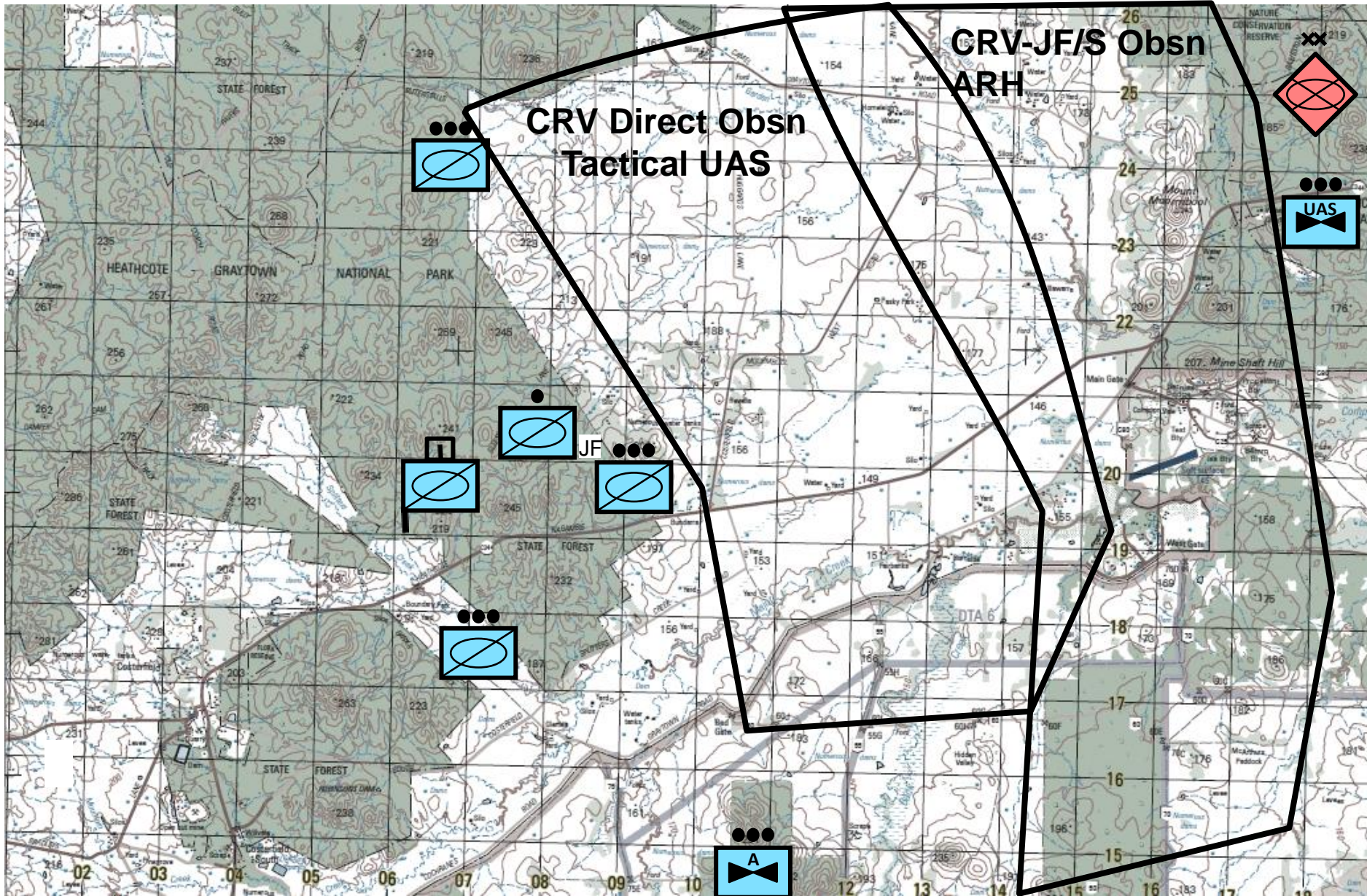
- Mobile command platform
- Collaborative processes
- Inflatable command post annex



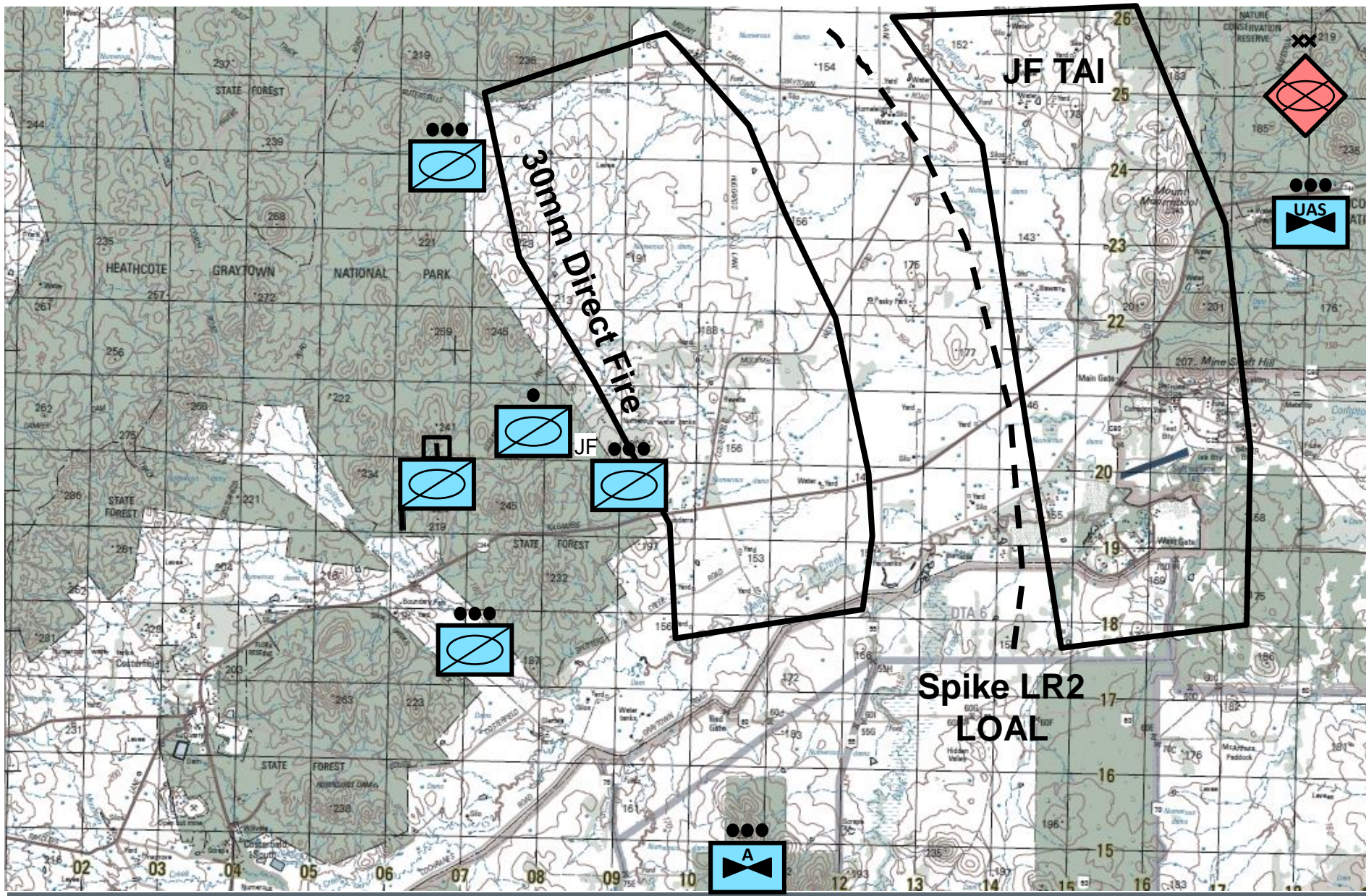
- Common system across all variants
- Transmission of data across the combined arms team
- Distribution of information
- Generic Architecture
- HUMS and Logistic data collection
- Battle Management
- Development pathway



Reconnaissance Battle Group – Reconnaissance / Screen



Reconnaissance Battle Group – Counter Reconnaissance / Covering Force



Lessons from Employment of Boxer CRV

- 12 x Block I Recon and 13 x Multi-Purpose Variants delivered
- IOC achieved Jul 22
- >140 soldiers trained
- Key activities completed:
 - Amphibious deployment
 - Combined arms exercises with coalition partners
 - Live fire up to Squadron level
- Major lessons (compared to ASLAV):
 - Quiet and mobile
 - Long range target acquisition
 - Reliable and accurate weapon system
 - Significant growth potential
- Opportunity to learn from Boxer partner nations



