OPERATIONAL RESEARCH AND DEVELOPMENT

Newsletter // February 2022

// Monthly Highlights

What has been happening?

- 4.4 Broadacre Tanker Demonstration and walkaround video
- Operational Concept Development review for Breathing Apparatus Refill Trailer
- Functional Specification review for Road Crash Rescue Trailer
- Relocation to new premises

Next Steps

- Heavy Tanker Request to Market
- Level 2 PPC Asset Acceptance and rollout
- Urban Pumper Type 2 PAT Asset Acceptance meeting
- Bus functional specification approval and procurement activity

GIDGEGANNUP

ESPERANCE

This month our highlights were on Gidgegannup and Esperance.

Gidgegannup was the location for our fourth 4.4 Broadacre demonstration. Volunteers from seven different brigades including Lower Chittering, Bindoon, West Swan, East Swan, Gingin, Wannamal, and Gidgegannup were able to explore the features of the four variants to ensure the best option for their specific brigade *demographics*, geography and needs are met.

While one area of the state was choosing new vehicles, the Esperance region was receiving new vehicles, with four Light Tankers and two 4.4 Broadacre Tankers heading to Esperance, Pink Lake and Mount Beaumont.

Ash Peczka (CESM) and Diarmuid Kinsella (DFES) receive the keys to vehicles and trucks headed to Esperance, Pink Lake and Mount Beaumont.

Volunteers from 7 different brigades attended a 4.4 Broadacre Demonstration including Peter Watterston (BFS, Bindoon) pictured behind the wheel.

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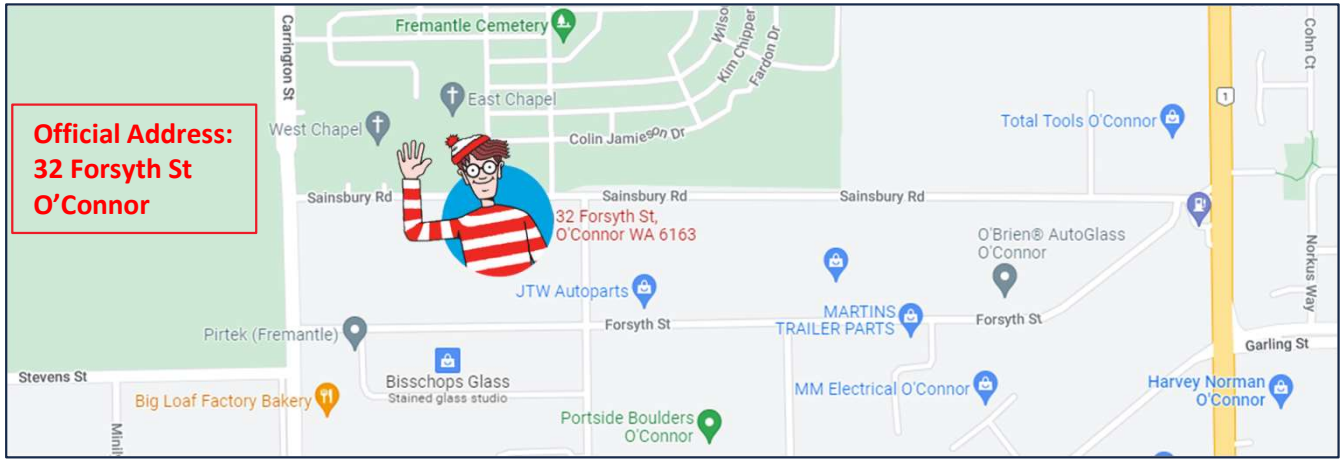
Asset Design and Delivery Model

Fleet Project Stream	Current Status	Next Steps
Concept Design		
Medium Urban Tanker (name TBC) PAT Chair: Adrian Hamill	PAT participation in 4.4 Broadacre mobility trials held 14/5 as proof-of-concept activity. OCD revised with concept illustrations.	PAT Concept Acceptance meeting.
Incident Control Vehicle PAT Chair: Gary Baxter	Concept Development in-progress.	Safety Risk Assessment and Proof of Concept Activity
Livery Developments	For limited evaluation through GRU First of Type builds. Proof-of-concept livery prototype completed and exhibited at WAFES conference.	Concept Acceptance.
Bushfire Fleet Mobility PAT Chair: Brad Delavale	Central Tyre Inflation (CTI) PoC evaluation undertaken. Super singles prototype modifications seeking road approvals. Evaluation and trial period extended to June 2022.	CTI Proof of concept report and PAT review. Super Singles PoC testing.
Operational Trailers	Concept Acceptance.	Functional Specification. Procurement planning.
Manager Command and Control Vehicle PAT Chair: Shaun Champ	User Needs Analysis.	Concept Development.

Fleet Project Stream	Current Status	Next Steps
Acquisition		
CAPA PAT Chair: Stuart Wade	Acquisition activities.	Acquisition activities.
Heavy Tanker PAT Chair: John Carter	Functional Specification Approved. Request sent to Market.	Request close and evaluation activities.
12 Person Bus PAT Chair: Matt Reimer	Functional Specifications. Procurement planning.	Specification approval.

Fleet Project Stream	Current Status	Next Steps
Asset Acceptance		
Light Tanker PAT Chair: Andrew Spry	Asset Acceptance completed. Vehicle allocation underway.	Walk Around video.
1.4 Tanker PAT Chair: Murray McBride	First of Type.	First of Type builds.
4.4 Broadacre Tanker PAT Chair: Phil Hay	Asset Acceptance approved. Initial vehicle allocations. DORM progressing. Walk around video shot. Demonstration of vehicles completed in Metro North East.	Complete DORM. Walk around video. Begin Vehicle allocations. Formal project close.
General Rescue Utility PAT Chair: Jon Kirk	Urban GRU configuration Asset Accepted for adoption. Allocation to SES Units underway. New DMax GVM modification for 3,695kg estimated to enable MY21 vehicle to comply with load limits including front winch mounting. 1 x Urban and 1 x Remote configuration vehicles ordered to confirm.	First of type MY21 DMax builds.
General Rescue Truck PAT Chair: Matt Reimer	DORM published. Asset Acceptance Completed.	Begin vehicle allocation. Formal project close.
Flood Rescue Boat PAT Chair: Graham Sears	Asset Accepted. 5 FRB allocated to SES Units.	Formal project close.
Urban Pumper Type 1 PAT Chair: Warren Male	UPT1 provided to DFES Academy 29/11 for in-field user validation.	Finalise baseline specification. Complete DORM. PAT acceptance.
Urban Pumper Type 2 PAT Chair: Andrew Wright	UPT2 provided to DFES Academy 29/11 for in-field user validation.	Finalise baseline specification. Complete DORM. PAT acceptance.
2.4 Broadacre PAT Chair: Torben Bendtsen	First of Type Build complete. Initial inspection underway prior to transport to Perth.	Full Inspection and controlled testing.
Medium Logistics Truck	Contract awarded.	Build vehicles.



WE HAVE MOVED!

You can now find us on the corners of Hines & Sainsbury Roads, O'Connor.

(Note: our driveway is on Sainsbury Road.)

We look forward to sharing our new premises with you!

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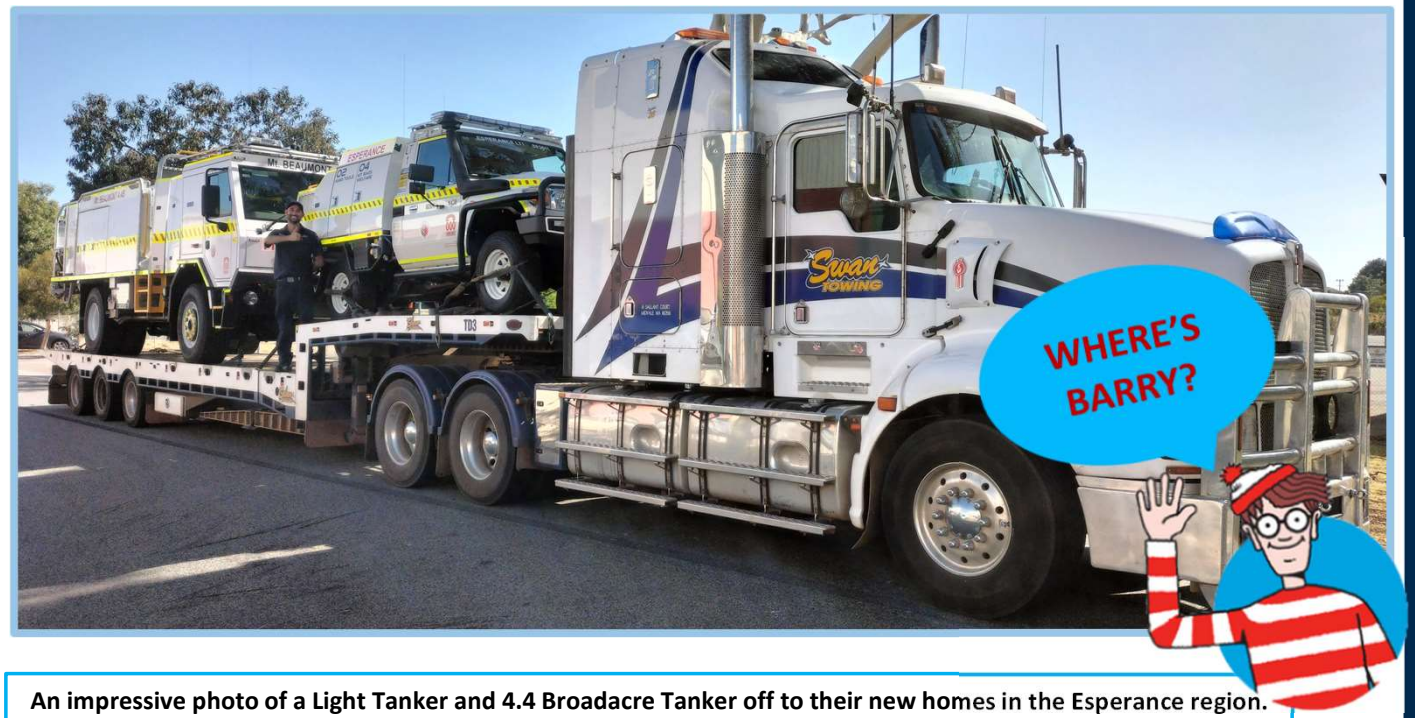
Equipment Project Streams

Below please find a snapshot of active equipment developments

Equipment Project Stream	Current Status	Next Steps
Concept Design		
Self Contained Breathing Apparatus Coordinator: John Henderson	Concept Development.	Concept Acceptance
Height Safety System PAT Chair: Matt Watson	Concept Development workshop held 28/8 including proof-of-concept activity relevent to storm response.	Structure Fire response proof-of-concept activity. Document storm response concept for approval and progression
Road Crash Rescue Equipment Coordinator: Nathan Wilcock	Concept Development.	Concept Acceptance.



An impressive photo of a Light Tanker and 4.4 Broadacre Tanker off to their new homes in the Esperance region.
But can you find Barry?
Definitely a 'thumbs up' worth capturing!

4.4 Broadacre Tanker Gidgegannup Demonstrations

Image 1 : Bushfire trucks in bushfire country (Gidgegannup).
Image 2. 4 trucks plus volunteers from 8 different regions.
Image 3. Phil Hay (DFES) and Pyay Chan (DFES) collaborating on the 4.4 Broadacre Tanker walkaround video.