

OPERATIONAL RESEARCH AND DEVELOPMENT



Newsletter // January 2022

// Monthly Highlights

What has been happening?

- 4.4 Broadacre Tanker Asset Acceptance and Roadshow.
- Development of Functional Specifications for Commuter Bus and Concept Acceptance of General Rescue and Logistics Trailers by Natural Hazards Fleet PAT
- Urban Structural Firefighting Equipment PAT meeting.

Next Steps

- Heavy Tanker acquisition.
- Operational Concept Document Review for Breathing Apparatus Cylinder Refill Trailer.
- 2022 Structural Firefighting PPC Project Implementation Plan continues.

4.4 Broadacre Tanker Roadshow

2022 commenced to the sounds of engines as the 4.4 Broadacre Tanker Roadshow travelled down to the South West and Great Southern regions.

The purpose of the roadshow was to take the trucks to the people, to assist volunteers in selecting a variant for their brigade as part of replacement programs.

Vehicle demonstrations were held at Ravensthorpe, Albany and Harvey, with approximately 100 volunteers across 20 brigades attending.

The roadshow was also a fantastic opportunity for the general public to see the impressive convoy as it travelled through many rural communities.



A range of cab chassis options were demonstrated. Variants included Isuzu, Iveco, Tatra and Volvo. Volunteers were able to drive and assess the many features of each vehicle.

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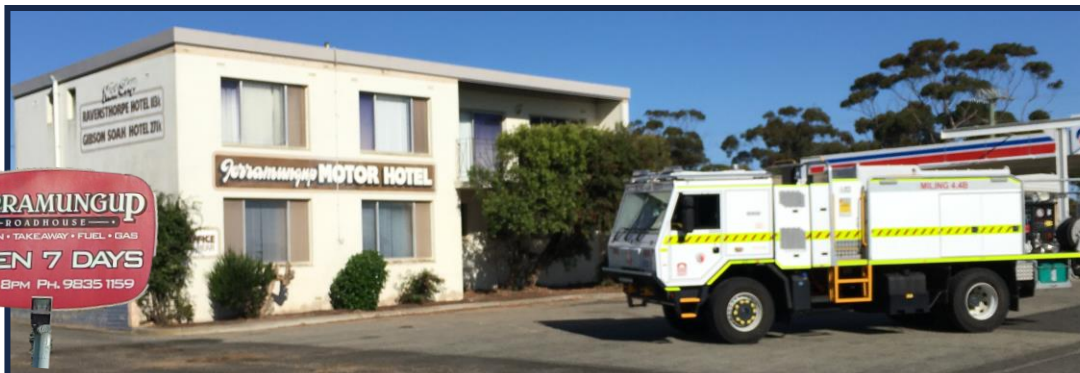
Status Update January 2022



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.
Manager Command and Control Vehicle PAT Chair: Shaun Champ	User Needs Analysis.	Concept Development.

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. Roadshow of vehicles completed in Great Southern and South West regions.	Complete DORM. Walk around video. Begin Vehicle allocations.
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.

Fleet Project Stream	Current Status	Next Steps
Acquisition		
CAPA PAT Chair: Stuart Wade	Acquisition activities.	Acquisition activities.
Heavy Tanker PAT Chair: John Carter	PAT Concept Acceptance meeting held and concept recommended to progress to Acquisition. Functional Specification PAT review meeting held 24/11. Procurement planning activities underway.	Functional Specification Approval. Request to Market.
12 Person Bus PAT Chair: Matt Reimer	Functional Specifications.	Specification approval.



Most guests don't usually arrive at their hotel in a Tatra! Roadshow logistical issues included whether to park the Iveco next to the Isuzu, or the Tatra next to the Volvo, or the Isuzu next to the Tatra.....

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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 relevant 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.



4.4 Broadacre Tanker Demonstrations

For further details or feedback on this update, please contact the team ORD@dfes.wa.gov.au.