
Appendix – CFA Information Sheets

All information sheets are also available to download from the CFA website

<https://www.members.cfa.vic.gov.au/programs/vesep>

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Definition & Requirements of a Field Command Vehicle

Overview

- A FCV is a four wheel drive off road vehicle of an appropriate size to operate in the bush.
- The FCV delivers enhanced incident management capability and ergonomic features. This vehicle is licensed to carry 5 people including the driver.
- The vehicle has an automatic transmission and does not require an endorsed license to drive.
- The FCV is used in a range of incident management roles including; incident control in a level 1 fire, Operations Officer, Sector Commander, Strike Team Leader, Ground Observer or Staging Area activities for level 2 or 3 incidents.

Cab Chassis – Ford Ranger XL Five Star ANCAP Rating

- 2.0L Bi-Turbo Charged Diesel Engine
- Automatic Transmission
- Dual batteries, and reversing alarm
- Bulbar (Poly), snorkel and tinted windows
- Bluetooth
- AUX/USB/iPod integration
- Cruise control with steering wheel mounted buttons
- eLocking Rear Differential
- Dynamic Stability Control (DSC)
- Emergency Brake Assist
- Rubber dish style floor mats
- Heavy Duty canvas seat covers
- Towbar with flat pin wiring plug
- All-terrain tyres
- Two CFA Tait radios
- LED Driving Lights (RF Comms Safe Compatible)
- Reverse Camera
- GVM 3230kg
- Pre-Collision Assist (AEB with Pedestrian Detection)
- Lane Keeping Aid with Driver Alert System
- Automatic High Beam
- Vinyl Floor Covering
- Manual Single Zone Climate Control



Image- XLT Model Ford Ranger



Option – Ford Ranger XLT 4x4 Utility (White) - Standard Differences are:

- 3.0 ltr V6 Diesel Engine
- Carpet Floor Covering
- GVM- 3280 kg
- Alloy wheels, Side Steps, Adaptive Cruise, Tyre Pressure Monitoring
- LED Headlights, LED Daytime running lights, fog lights, Rain sensing wipers
- Disc brakes

CFA specifications are general in nature and are subject to change without notice during tender and manufacturing

Emergency Warning Systems & Livery

(These items are funded separately)

- Light Bar Multi Colour 360 Degree Red/Blue Alternating.
- Grill lights Multi Colour Red/Blue Alternating
- Siren System 100w with siren/lights integrated controller
- Standard CFA Livery
- Flashing headlights



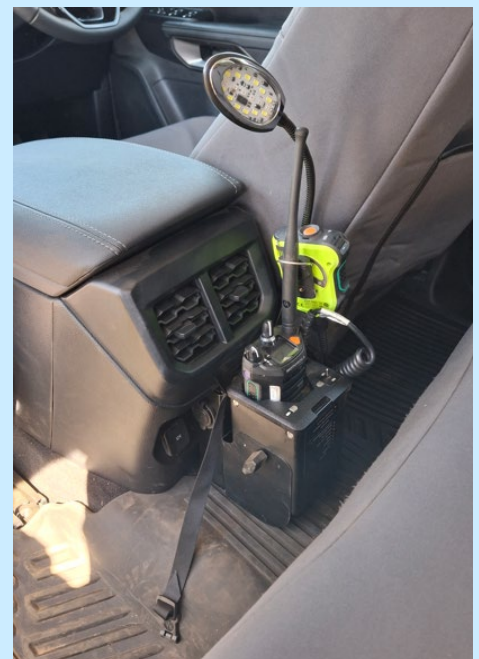
Body

- Purpose built service body with lift up doors. Transferable between cab chassis
- Full aluminium construction
- Roll out under tray rear drawer
- Rubber matting
- Tie down points
- 12v to 240v Invertor
- Under tray lockers
- LED internal locker lights main compartment
- LED work lights
- Central locking of all above tray locker doors wired to Ford remote



Equipment

- 4.5kg AB dry chemical extinguisher
- One Tait Portable Radio Charger- rear cabin
- Six USB charging points (4 inside cabin, 2 inside body)
- Adjustable shelves
- Bushman's Stand-up Fridge – 65Ltr
- VASS Certification
- One UHF radio (GME- 80 Chanel)
- Rear seat map light
- Whiteboards
- Available Payload- approx. 180kg (incl. 5 crew- nominal)



Body Layout





Other Information

- These vehicles are fully project managed by CFA Headquarters and delivered to the local District Office when completed. **This vehicle is a standard design therefore additional items or design changes will not be accommodated.**
- There will be no requirement for Brigades/Groups to obtain specific quotes for any components.
- GVM upgrades will **not** be considered for any FCV vehicle.
- **Light bar, siren, livery and radios are funded separately and do not require a brigade contribution.**
- All additional items to be stowed will require District approval and are not cause the GVM of the vehicle to be exceeded

Grant Formula

Equipment grants are funded by VESEP & Brigade, \$2 VESEP to \$1 Brigade with a maximum VESEP contribution of \$250,000.

Indicative Costs - ex GST

XL Cab Chassis

Brigade Contribution	\$31,500
Grant Contribution	<u>\$63,000</u>
Total Project Costs	\$94,500

Indicative Costs - ex GST

XLT Cab Chassis

Brigade Contribution	\$33,500
Grant Contribution	<u>\$72,000</u>
Total Project Costs	\$106,500

Indicative prices as of May 2025 (excludes GST)

Cost escalation to point of build in 2025/26 up to 10% increase

Overview

The Ultra-Light Tanker delivers increased water, enhanced fire suppression capability and ergonomic features. This vehicle is licensed to carry 2 people including the driver. The vehicle does not require an endorsed licence to drive. The body and cab chassis conform to CFA operational safety standards. These appliances are not designed to have personnel operating from the tray area. The ULT's primary role for wildfire is to perform first attack on spot sized / remote / difficult-to-access types of fires where these fires are safe to approach. It is also designed to perform support for back operations, mopping up and patrolling duties.

Cab Chassis – FORD RANGER XL (or equivalent) 4x4 hi/low range

- 2.0 Bi turbo diesel engine c/w 10 speed Automatic transmission
- 3.7T GVM (uprated) cab chassis with all-terrain tyres.
- Bull bar and rear recovery bar
- Air-conditioning, reversing camera, reversing alarm, power windows and doors, full curtain air bags, hill start assist
- Map light, 2 x fire blankets, 2 x drink bottle holders,
- CFA map book holder, siren and emergency light controller, portable radio charger and CFA radio speakers.

Body Features

- Full aluminium construction, water-cooled diesel engine pump (500 l/min @ 500 Kpa) and rear pump control panel
- Full LED lighting including emergency lights, locker/pump panel lighting and work lights
- 550 litre (nominal) water tank capacity, electric rewind live hose reel with 30m x Ø19mm light weight hose and blackout F/D20 nozzle, 1 x Ø65mm delivery, 1 x 20-230 lpm selectable flow nozzle, 1 x air-aspirating foam nozzle, Class A Dosatron foam system (or equivalent), 5.5m permanently connected suction hose.
- Burnover Crew Protection System
- Radios (CFA and UHF), emergency response lights and sirens
- Vehicle livery package

Locker/tools and equipment

- 4 x aluminium lockers above tray
- Chainsaw (petrol) & ancillary equipment, 1 x rake hoe, shovel, drip torch, tool box, emergency Class "A" foam kit, first aid kit, defibrillator, service hydrant, 4.5kg AB dry chemical extinguisher, Hazmat guidebook, esky.



Indicative Costs

Indicative prices as at March 2025 (excludes GST)
 Cost escalation to point of build in 2025/26 up to 10% increase

Funding Break up

Brigade Contribution	\$24,167
Grant Contribution	\$145,833
Total Project Costs	\$170,000

Options (Brigade Cost)

Battery operated chainsaw (in lieu of petrol) incl. 4 x batteries and station charger	\$1,750
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Overview

The crew cab light tanker has a nominal 2,000 litre tank which will include a new body and a new diesel-powered pump. The body is mounted on an Isuzu NPS 75-155 4x4 crew cab chassis. The body and cab chassis conform to CFA operational safety standards. The vehicle is designed to carry four personnel including the driver.

The specification is subject to the results of performance trials and statewide tour of the prototype Next Generation Light Tanker.

Cab Chassis

Isuzu NPS 75-155 cab chassis of 4WD (4x4) crew cab configuration and (uprated) 8.0T GVM, powered by a turbocharged diesel engine with nominal maximum power output: 114 kW @ 2,600 RPM and nominal maximum torque output: 419 Nm @ 1,600 – 2,600 RPM with a five speed AMT gearbox and two speed transfer case.

Body

The body is fitted with a fabricated aluminium tray frame and roll-over protection frame. The specifications include a (nominal) 2,000 litre fabricated polypropylene water tank with baffles for surge protection, an electric start water-cooled Kubota D902 diesel powered GAAM Mk150 pump capable of delivering 450 lpm @ 700 kPa. The body has a roll-over protection bar, crew protection system including electrically activated crew protection sprays, cabin mounted radiant heat shielding curtains, a low-level water warning alert system, pump controls at rear, on deck and in cabin, permanently coupled suction hose, UHPS hose reel, drink cooler, double width stowage locker (nearside) and large slide-out locker (offside).

Visual Example



Indicative Cost

Indicative price is at March 2025 (excludes GST)

Cost escalation to point of build in 2026/27 allow up to 10% increase

Cab Chassis Costs Funding By Brigade & VESEP \$120,000

Funding Break up

Brigade Contribution \$40,000
Total Grant Contribution \$310,000

Total Project Costs \$350,000

Options (Brigade Cost)

BA Bracket \$4,000

Overview

Each Medium Tanker project includes a cab chassis and body with a diesel-powered pump. The body is mounted on a 4x4 crew cab chassis. The body and cab chassis are to conform to CFA operational standards. The vehicle is licensed to carry five personnel including the driver and is designed primarily for a wildfire role.

Cab Chassis

Cab chassis of 4WD (4x4) turbo charged diesel engine with Automatic transmission and two speed transfer case (4x4). Incorporates five (5) person crew – two in the front and 3 in rear. All seats fitted with lap/sash seatbelts. The cab is fitted with an internal “B” pillar intermediate support bar. Radiant heat protection curtains are fitted to all cabin windows and the vehicle is fitted with a spray protection system with switch activation from cabin and crew tray area.

Body

- Polyethylene water tank, 2,500 litres capacity including 650 litres of vehicle/crew spray protection water.(TBC)
- Fabricated steel/aluminium tray frame and external roll over protection bar.
- Class A Foam around-the pump proportioning system c/w 2 x 20 litre carboys.
- 2 staged fire fighting pump with diesel engine. Nominal output 900l/min @ 700kpa
- Diesel driven Ultra High Pressure System (UHPS) (nom. 25 l/min @100 bar) connected to 1 x Ø12mm 60m electric rewind live hose reel mounted above tray OS rear and fitted with aspirating fog gun nozzle.
- 1 x electric bull bar mounted monitor fitted with adjustable nozzle (100-450 l/min) c/w in cabin joystick controller.
- Rear deliveries – 2 x Ø65mm Storz.
- 1 x electric rewind live hose reel c/w 20m of Ø25mm hose mounted above tray NS rear.
- Aluminium fabricated above tray locker/stowage including multi-function ladder and chainsaw
- Dead hose reel near side rear under tray
- Electric priming pump
- Tray mounted crew protection drop down awning
- **BA Bracket (optional item at Brigade cost)**



Indicative Costs

Indicative price is at March 2025 (excludes GST)

Cost escalation to point of build in 2025/26 allow up to 10% increase

Additional Tanker	Funding	Replacement Tanker	Funding
Brigade Contribution	\$195,000	Brigade Contribution	\$65,000
Total Grant Contribution	\$315,000	Total Grant Contribution	\$445,000
Total Project Cost	\$510,000	Total Project Cost	\$510,000

Options (Brigade Cost)

BA Bracket \$3,600

"Indicative costing only, pending Cab Chassis"

Overview

The appliance is a multi-purpose vehicle licensed to carry five (5) crew, including the driver. The rear of the appliance can be configured to suit Brigade's specific requirements. Appliance to be stowed with equipment to secure and clean up after an incident. It is offered in three (3) versions:

- Version 1 – 4 x 4 short body (manual) – approx. 6.6m Long, 2.3m Wide, 2.8m High
- Version 2 – 4 x 2 short body (manual) – approx. 6.6m Long, 2.3m Wide, 2.7m High
- Version 3 – 4 x 2 long body (auto) – approx. 7.4m Long, 2.3m Wide, 2.5m High

Cab Chassis

- Version 1 - Isuzu NPS 75-155 (or equivalent) 4x4 Crew Cab Chassis with 7.5T GVM
- Version 2 - Isuzu NPR 65-190 (or equivalent) 4x2 Crew Cab Chassis with 6.5T GVM
- Version 3 - Hino 921 (or equivalent) 4x2 Crew Auto Cab Chassis with 8.5T GVM

Body

- Prefabricated aluminum framed body (SES specification)
- Stowage compartments can be configured to suit user requirements
- White painted cab and body
- Rear lift-up door with gas struts
- Roller access doors each side

Items included:

- Cab and body painted white
- CFA livery (decals & striping)
- Emergency Lighting
- Scene and locker lighting
- Seating for 5 crew (including 3 x lap/sash seat belts in rear)
- Stowage console between driver and front passenger seats
- Nearside awning
- Minor brackets and straps for Brigade stowage items
- Installation of CFA supplied radio and portable radio charger
- Registration (brigade owned vehicle)

Version 1



Version 2



Version 3



Options available at additional cost:

- Red painted cab and body
- Aluminum bullbar
- 240V reticulated power system
- Wheel arch lockers (x 2)
- Inbuilt 240V compressed air system (240V generator or 240V inverter system is required)
- Pneumatic light mast – 4m height, external mounting, 3 x standard LED lights, hand pump
- Pneumatic light mast – 4m height, external mounting, 3 x standard LED lights, electric pump
- Pneumatic light mast – 6m height, internal mounting, 4 x high powered LED lights, electric pump
- Pneumatic light mast – 6m height, internal mounting, 4 x high powered LED lights, robotic head, electric pump
- Version 2 - Upgrade to 7.5 tonne GVM (Isuzu NPR 75-190 4 x 2 Crew)
- Version 2 – Automated Manual Transmission (AMT)
- Version 1 – Automated Manual Transmission (AMT)
- Vertical exhaust
- High intensity scene lighting
- Customised shelving/bracketry

Indicative Costs - ex GST

Indicative Costs as at March 2025 (excludes GST)

Cost escalation to point of build in 2025/26 up to 10% increase

Funding Break up	Version 1 4 x 4 Short Body Manual	Version 2 4 x 2 Short body Manual	Version 3 4 x 2 Long Body Auto
Brigade Contribution	\$94,400	\$90,000	\$90,000
VESEP Contribution	\$188,600	\$180,000	\$180,000
Total Project Costs (excluding options)	\$285,000	\$270,000	\$270,000

Customised Internal Shelves/Bracketry – Subject to cost



These specifications are indicative and are subject to change during tendering and manufacturing

Overview

The Rehabilitation Unit supports the health and wellbeing of members at prolonged incidents or where members are working in hot or strenuous conditions. The body and cab chassis conforms with CFA operational safety standards. This vehicle can be driven on a standard car driving license.

Cab Chassis – Isuzu NNR 45-150 (or equivalent)

- 4x2, 4.5 Tonne GVM c/w Automated Manual Transmission (AMT)
- Seating for a crew of 4
- 3,500 kg towbar
- Vehicle can be driven on a standard car driving license

Body Construction

- Aluminium lock tube framing clad with white aluminium sheeting
- 2 x side roller shutters, 1 x rear lift up door
- 1 x manually operated pneumatic light mast with 4 LED lights
- Scene lighting, reverse camera
- Emergency response controls
- 100L non potable water tank
- CFA standard livery



- Storage for brigade supplied equipment (e.g. portable generators/tables/chairs/marquee/esky) estimated 620kg
 - Front through locker volume 3.1m³ Nominal
 - Rear locker volume 2.2m³ Nominal
- Brigade funded options available:
 - 3m manually operated awning (each side), Thule Omnistor 4900 or an equivalent.
 - Ventilated fuel locker, mounted OS undertray behind rear wheels



Indicative Costs

Indicative prices as at March 2025 (excludes GST)
 Cost escalation to point of build in 2025/26 up to 10% increase

Funding Break up

Brigade Contribution	\$51,667
Grant Contribution	\$103,333
Total Project Costs	\$155,000

Option Awning (per side) – Additional Brigade Contribution	\$2,250
Option Fuel Locker – Additional Brigade Contribution	\$1,250



Background

The 2025/26 program continues with the Minor works category to a maximum project value of \$250,000.

Outline

These projects are of a larger scale and will require full scoping and planning. Brigades and Groups interested must pre-register application details to ensure proposal is fully scoped with the VESEP Land & Buildings Department and should be discussed with their local Catchment Officer, Asset Project Officer and Assistant Chief Fire Officer.

The total project value is to be less than \$250,000.
(\$166,667 VESEP and \$83,333 Brigade contribution)

Projects with a total project cost greater than \$250,000 will not be considered.

Some suggestions available under the program are but are not limited to:

- Air Conditioning (New installations)
- Hot water Services (Upgrades)
- Kitchen Appliances: Fridge, Dishwasher, Oven, Boiling Water Unit, Crockery, Cutlery
- Furniture / Table / Chairs (Indoor & Outdoor)
- Window Furnishings

VESEP Minor Works Pre-Registration

All applications must be registered with the VESEP Land & Buildings Project Manager via email VESEPProject@cfa.vic.gov.au by the **14th July 2025**.

Refer to the VESEP 2025/26 Guidelines for more information regarding pre-registration.

Questions: Matthew Mallett

: 0408 055 163

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Grant Formula

\$2 VESEP to \$1 Brigade – to a maximum VESEP contribution of \$250,000