

<u>SPECIFICATION FOR RAPID INTERVENTION VEHICLE</u>	
CHASSIS	
Model	Single cab 4x4
Engine capacity	Minimum 2800cc
Engine Torque minimum	Must be capable of carrying the weight of the modified vehicle
Fuel Type	Diesel
Steering	Right hand drive
Body Size and vehicle height	Single cab LBW (long wheel base) ; maximum permissible height not exceeding 2.2metres including beacon light
Colour	Red
Signage & branding	As per ACSA specifications to be supplied. SEE APPENDIX A
Drive train & Transmission	4x4, Automatic Transmission, Diff Lock
Ground clearance minimum	230mm
Gross Vehicle Mass (GVM) maximum	3500 kg (the vehicle chassis must be able to withstand the additional weight of the equipment that will be added on as per scope of works)
Interior	Leather Seats and smash & grab legal tinted windows
Service Plan	Original Equipment Manufacturer (OEM)Standard service plan for the vehicle chassis
Accessories/Optional extra's	Heavy duty tow bar,2.5kg carbon dioxide (CO2) fire extinguisher with mounting bracket, full front bulbar, medium intensity red colour LED star bar light mounted on roof with siren & PA system
Features	Air conditioner, ABS braking, Airbags, power steering, standard radio/MP3 player.
SUPERSTRUCTURE	
General design	The superstructure construction material shall be of high-quality lightweight aluminium sheet metals and panels.
Storage lockers	Two (2) lockable storage compartments to be provided. Water resistant and rust proof with roller shutters, that can lock securely.
Access doors on rear compartment	The access doors should be rustproof, dust and waterproof, roller shutter for ease of opening and must be lockable.

FIRE PUMP	
Type	Ultra High pressure operating pump.
Fuel	Diesel
Start/Stop	Key ignition and manual pulley start
Output bar pressure	Minimum 80 to maximum 160 bar pressure
Pump Control Panel	Mounted on pump
Gauges	<ul style="list-style-type: none"> • pressure manometers • water and foam tank level gauges • operation hour meter
Manual Levers	Water and foam tank suction, pre-adjustment for mixing ratio's for both water and foam, hose reel valves.
Fuel shut off	System must automatically shut off fuel supply to pump when pump key is switched off.
WATER TANK	
Capacity	Minimum 300lts usable
Material	Polyethylene or equivalent (non-corrosive)
Equipment	Tank level indicator, easily accessible tank filling positioning and connection, 1X 30 metre soft delivery hose, 1 x 10 metre soft delivery hose.
Hydrant Coupling	South African standard instantaneous 65mm hydrant coupling connector
FOAM SYSTEM & TANK	
System	Around the pump foam proportioning system.
Capacity	Minimum 20lts usable
Material	Polyethylene or equivalent (non-corrosive)
ELECTRICAL EQUIPMENT	
Illumination	LED lighting system on the interior of cab, rear compartment and storage locker areas. Automated switching on when doors or roller shutters are opened.
Search lights	One 360 degree rotating high intensity LED search light with remote control capability mounted on cab roof.
Emergency lights	<p>Medium intensity Red LED light bar mounted on cab roof.</p> <p>Two (clear white) LED flashlights in front grill and two LED flashlights at the rear of vehicle.</p>

	One (clear white) front spotlight (lightbar) mounted on front bulbar.
P.A system & siren	Integrated Public Address system with cabin mounted microphone and external 100-watt loudspeaker. ICOM A-120 Air band radio 118-136 mhz, power: 10w/40db Sepura-SRG 3900Tetra Radio frequency: UHF380-440mhz, power 10w/40db (or equivalent).
OTHER EQUIPMENT	
Jaws of Life	Battery operated Jaws of Life with spare battery and charger mounted on the vehicle.
Emergency ladder	Compact Pompier ladder extendable up to 4 meters
Winch	Winch must be capable of pulling the gross weight of the vehicle
Hose reel	Manual 60m hose & reel and nozzle
Power outlet	1x220volts power outlet
BA sets	2x Carbon fibre Draeger complete with self-contained breathing apparatus (SCBA) kits designed for fire fighters.
Tools	<ul style="list-style-type: none"> • Fireman's axe with Nupla handle: length 90cm weight 1,9 Kg • Scoop Shovel with steel blade: length 1,5 meters weight 1,9kg • Rake hoe-size -width 24cm, handle length 1,2metres • 4 traffic cones
TRANSPORT & LICENSING	
Registration and licensing	Each vehicle needs to be registered and licenced by the bidder at the local traffic authorities in the regions where the airports are located
WARRANTY	
Chassis(vehicle)	Include standard manufacturer warranty
Superstructure	Include standard manufacturer warranty
Pump	Include standard manufacturer warranty
Water Tank	Include standard manufacturer warranty
Foam tank	Include standard manufacturer warranty
Electrical equipment	Include standard manufacturer warranty
Important inclusions	<ul style="list-style-type: none"> • Delivery and Handling charges for deliveries to specified airports • Homologation process, Natis Registration and licensing must be expedited, and all costs included in the final bid price.

	<ul style="list-style-type: none">• Provide confirmation of maintenance support availability/capabilities for the fire side for the respective airport regions. Confirmation should be provided in the form of a letter (with letterhead) or any other relevant documentation.• Marine and Air Cargo Insurance (or applicable insurances) – in respect of all materials, equipment, machinery, spares and other items for incorporation into the Works against all risks of physical loss or damage while in transit by sea or air and transit by road or rail from country of origin anywhere in the world to the site in the Republic of South Africa.• Once-off basic operator training for six (6) persons per airport site.• Vehicle and pump operational manuals
--	---

Appendix A: Signage and Branding:

Signage requirements for the Specialised Rapid Intervention Vehicles

1. The vehicle/equipment shall display signage which includes both prefix and the ACSA airport company logo. Both will be provided to the winning bidder.
2. The prefix shall be displayed in Arial bold font, black or dark blue in colour and 200 mm in height.
3. The company's prefix shall be clearly visible and have a maximum of four (4) alphabets and two (2) numerical characteristics e.g., ACSA 01 etc. The specific numbering will be provided to the winning bidder.
4. The prefix shall be displayed visibly on the front two (2) doors and the roof of the vehicle/equipment.
5. It is recommended that the prefix and logo be situated next to one another on the doors, but this shall be separated. ACSA will confirm requirements with the winning bidder.
6. Signage shall be affixed permanently on all the vehicles.
7. SABS approved reflective tape for vehicle marking should be applied to the sides and rear of the vehicles.

An example of signage requirements is illustrated in the below pictures:

