

Appendix 1 – Recommended Pit Rescue Equipment List:

Detailed below is ARRO’s recommended equipment list. It is expected that the host of the Road Rescue Challenge sanctioned by ARRO will provide this list of equipment on each pit subject to availability.

ITEM	QTY
General Equipment	
Broom, yard	1
Salvage sheet/large tarpaulin 4m x 4m	2
Shovel, wide mouth, long handled	1
Crow bar (2m)	1
Halgan tool with cutting tip	1
Wrecking bar	1
Step ladder 1800mm	1
Ropes (12mm X 6m)	4
Extinguisher, Foam, 9 litre	1
Extinguisher, Dry Chemical 9kg	1
Torch	1
Electric reciprocating saw (mains or battery)	2
Power extension leads (20m)	2
Spill absorbent material	1 packet
Duct tape	1 roll
Debris sheet (tool staging) 3m x 2m	1
Debris sheet small 2m x 1m	1

Hand Tools	
Socket set	1
Spanner set	Combined
Screwdriver set	Set
Rubber mallet	1
Pliers	1
Side cutters	1
Vice grips	1
Seat belt cutter	1
Glass cutting saw (hand operated)	1
Hacksaw	1

Casualty Protection Equipment	
Edge protection soft – protective cover 260 x 300mm (approx dimensions)	4
Edge protection soft – protective blanket 600 x 600mm (approx dimensions)	4
Edge protection soft – protective blanket 1500 x 600mm (approx dimensions)	2
Edge protection rigid - PVC pipe 150mm diameter x 400mm	2
Edge protection rigid - PVC pipe 100mm diameter x 400mm	4
Glass catcher	1

ITEM	QTY
Glass breaking tool – spring loaded punch	1

Stabilisation Equipment	
Blocks, timber, step	4

Cribbing – Timber	
Blocks, timber approx. 100 x 50 x 500mm	20
Blocks, timber approx. 100 x 100 x 500mm	20
Wedges, timber 100 x 100 x 500mm	12
Wedges, timber 100 x 50 x 500mm	12
Wedges, step/blocks 500mm x 200mm	4
Wedges, timber assorted sizes (e.g. wheel chocks and shims)	12

Cribbing – Timber Alternate	
Timber blocks 100x100x500 taped handle	12
Timber blocks 100x50x 300 taped handle	6
Timber wedge 100x100x 450 taped handle	6
Timber wedge 100x50x250 taped handle	6

Cribbing – Plastic Recycled	
Step blocks, recycled plastic	4
Blocks, lockable, recycled plastic	6
Wedges, recycled plastic, 75mm wide	4
Wedges, recycled plastic, 150mm wide	4

General	
Crates or boxes for transport of cribbing (e.g. milk crate style)	4
Tension buttress kit for side stabilisation (e.g. Acro prop, shackles and straps; or Stabfast or Holton Foot or Side Stabiliser)	2
Ratchet straps, 25mm x 6m (min) with Hooks	2
Ratchet straps, 50mmx 6m (min) with Hooks	2

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Original Issue: September 1996

Document Owner: Challenge Coordinator

Current Version: November 2011

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ITEM	QTY
High Pressure Airbag & Airline Equipment	
Air hoses (10m)	2
Air impact chisel	1
Air impact wrench (c/w sockets)	1
Air supply (cylinders only)	2
High pressure lifting air bag (min. 20t) with regulators, relief valves, hoses and controls to run 2 bags	2

Winch Set Complete	
Cable wire winch (Tirfor type) rated 1.5T vertical / 2.5T horizontal	1

Strop or Sling Kit	
Strop or sling kit 6m	2
Strop or sling kit 3m	1
2.5m strop/sling (triple lined) optional	1
D Shackles rated to above winch capacity	6

Casualty Treatment Equipment	
Space/emergency blankets, patient care only (not wool or cotton)	1
Extrication device (e.g. KED or similar)	1
First aid kit as per appendix 2	1

ITEM	QTY
Oxygen therapy equipment	1
Patient protection, various sizes, hard	1 set
Patient protection, various sizes, flexible	1 set
Patient protection, various sizes, soft	1 set
Stretcher, scoop style	1
Rescue board – full length (e.g. timber / plastic / fibreglass)	1
Rescue board – half length (e.g. timber / plastic / fibreglass)	1
Cervical collars (multi fit or full set of sizes)	1
Ear muffs for casualty hearing Protection	1
Safety glasses for casualty protection	1 pair

In addition to the above a stock of consumables needs to be available to replenish supplies of:

- Bi-metal hacksaw blades – 2 per team
- Reciprocating saw blades – 2 per team
- Air cylinders
- Medical oxygen cylinders (one per team) & therapy masks (two per team) plus spares
- Spill absorbent material (kitty litter)
- First aid supplies to include:
 - 2 oxygen mask per team (e.g. 24 teams = 48 masks + 6 spares)
 - Bandages and dressings per scenario
 - One cervical collar per team (adjustable size or sets)
 - Disposable cardboard splints – 1 small & 1 medium per team
- Duct tape

Powered double acting hydraulic tools will be added to each of the pits based on the class of scenario refer to rule 12 – ARRO Challenge Rules.

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Appendix 2 – Recommended Pit Medical Equipment List:

ITEM	SIZE	QUANTITY IN KIT	SPARES
Bandages	2.5 cm	3	1 per team
	5 cm	4	3 per team
Crepe bandages	10 cm	6	2 per team
	15 cm	2	1 per team
All purpose shears		1	
Eye pads		4	
Sodium Chloride	30 ml	6	
Leukofix		1	
Sterile dressings	6 cm x 8.5 cm	2	
Safety pins		10	
Dressings	20 cm x 75 cm	1	
	10 cm x 10 cm	4	3 per team
	20 cm x 20 cm	1	3 per team
Burn dressings	10 cm x 10 cm	2	
Triangular bandage		4	1 per team
Emergency blanket		1	
Stethoscope		1	
Blood pressure cuff		1	
Splint Set, Cardboard	Small & medium	1	1 per team

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