

NSW STATE ROAD CRASH RESCUE CHALLENGE

STRONGER TOGETHER



RESCUE SKILLS CHALLENGE RULES



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1. Objective / Core Competency Skills

To assess various rescue skills of a team of 4 rescue operators.

Core Skills – Rescue Skills (Knots, Combi Tool, RIK, Power Hydraulic Pump, Hand Hydraulic Pump, Stokes Litter)

2. Equipment

There is no equipment for this event other than that which is set up on the track.

Full issued PPE is required for this event (Boots, Helmets, Gloves, Eye protection)

All PPE to be worn for entire event.

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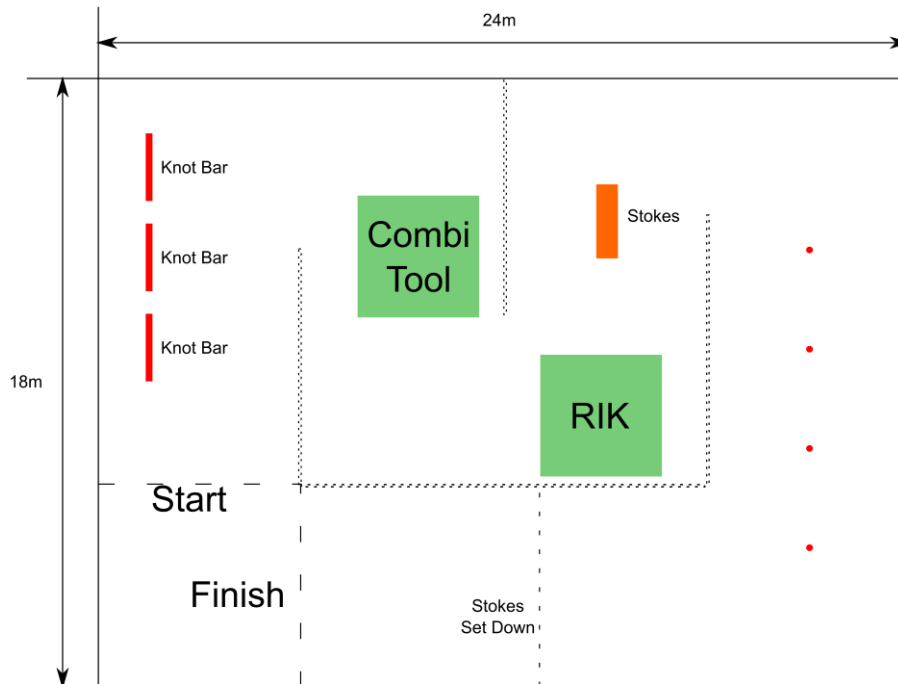
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3. Layout on Track



The track is set up with 4 areas with the different rescue operations to be completed:

- Knot Bar (4 different knots)
- Combi Tool (combi tool & power hydraulic pump to cut steel bar)
- RIK (Door opener & hand pump to open door)
- Stokes Litter (Carry stokes litter through slalom course & place on mark)

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4. Running of Event

a. Track Evolution Safety

During the on-track evolution, judges will call “safety stop” whenever a competitor is working in an unsafe manner, such as helmet visor not in correct position, not operating RIK pump using handgrip, incorrectly handling RIK tool, running in slalom or other “at risk” activities that may be observed.

On start signal all four competitors will start on the start line and proceed to the Knot Bar of the evolution.

b. Knot Bar

The knot component of this event will be performed first, and no competitor will move onto the next evolution (2 and 3) until all four knots are completed. The knots will be judged, after the competitor proceeds to the next evolution and competitors shown any incorrect knot tying at the completion of the event.

Each competitor will be required to complete a randomly drawn knot from the 4 knots allocated. This will be determined by drawing a ping pong ball from a bag and the knot written on that ball will be the knot that the competitor is required to complete.

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c. Combi Tool

Two members of the team will proceed to the Combi tool section, entering the area through witch's hats.

One member will operate the hydraulic pump and other member will operate the Combi tool.

Pump operator will start pump and on command from tool operator of "power on" or "power off", open or close the hydraulic valve from the pump to tool hydraulics. On command of power off, the pump operator will close hydraulic valve, then stop pump engine using stop button on pump motor.

The second member of the Combi tool crew will also enter the area through witch's hats and take hold of the Combi tool. Once competitor has control of tool "power on" command is given.

The tool operator will proceed to fully open jaws (Denoted by sound of pressure relief valve), then in the closing mode, cut marked section of flat steel bar held in vice provided. The tool operator will then close jaws so daylight may be seen through gap but not greater than thickness of offcut piece of steel. The tool will then be placed in the designated position on the ground.

d. RIK

The other two members will enter the RIK section through the witch's hats.

One member will operate hydraulic hand pump and the other the RIK tool. The pump operator will open air vent on pump body, close wheel valve on delivery end of pump & unclip handle and on command of "power on", operate pump handle using hand grip on pump lever only. On command from RIK operator of "power off", the wheel valve is closed, the pump handle is re-clipped and when RIK tool is docked, the air valve is closed.

The RIK operator will pick up tool and using mallet provided, insert tool toe in door and give command "power on". When sounder is heard, (door open) operator gives command "power off" then docks the tool and places it in the designated area marked.

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e. Stokes Litter

As each pair of competitors complete the tasks at the RIK and Combi all four will proceed to the stokes litter. Once all 4 members of the team are at the stokes litter, they will lift the stokes (Command of “Prepare to Lift...Lift”), then proceed through the slalom course, place down on the mark (Command of “Stop – Prepare to lower – Lower”) whereupon one member will proceed to the finish line and strike the bar to stop their time.

The team with the lowest time from event run and penalties from pre-op and knot bar combined will be declared the winner.

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Penalties

P10 – Rescue Event		
	<i>Cordage Section</i>	
A)	Life knots tied incorrectly	10 Seconds
B)	Life knots packed incorrectly	5 Seconds
C)	General knots tied incorrectly	5 Seconds
D)	General knots packed incorrectly	5 Seconds
	<i>Combi Tool Section</i>	
E)	Not entering & exiting the work area through the witches hats	2 Seconds
F)	(Operator not in control of tool when giving command for power on)	2 Seconds
G)	Not fully opening the Combi jaws prior to cutting	10 Seconds
H)	Not returning the combi tool jaws to the park position (the gap being daylight through jaws & not more than thickness of off cut piece of steel)	10 Seconds
I)	Not turning off the hydraulic valve before stopping the pump	5 Seconds
J)	Not returning equipment to designated area	2 Seconds
	<i>RIK Section</i>	
K)	Not entering & exiting the work area through the witches hats	2 Seconds
L)	Not opening the wheel valve &/or close the hydraulic valve before operating the pump	2 Seconds
M)	Not using hammer to insert door opener	2 Seconds
N)	Not operating pump using hand-grip on pump handle.	10 Seconds
O)	Door Opener operator not giving the correct commands (Power On, Power Off.) (Operator not in control of tool when giving command for power on)	2 Seconds per command
P)	Not opening the door until the buzzer sounds	2 Seconds
Q)	Not opening the hydraulic valve, &/or closing the air valve &/or locking the handle down when stowing the pump after use	2 Seconds
R)	Not returning equipment to designated area	2 Seconds
S)	Door opener not returned to park position correctly	10 seconds
	<i>Stokes Litter Section</i>	
T)	Not entering & exiting the work area through the witches hats	2 Seconds
U)	Any competitor straddling the stokes litter	5 Seconds
V)	Not giving the correct commands (Prepare to lift – Lift)	2 Seconds
W)	Knocking over any of the posts	2 Seconds

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X)	Not giving the correct commands (Stop – Prepare to lower – Lower)	2 Seconds
Y)	Not placing the stokes litter in the designated area	10 Seconds
Z)	Running while carrying Stokes Litter	10 Seconds
A1)	Not wearing PPE for entire event.	10 Seconds

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