

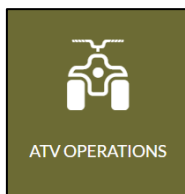
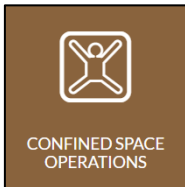


National Ambulance
Resilience Unit
NARU

HART

Confined Space (Con Space) & Unstable Terrain

Core capability:



To place a specially trained and equipped NHS Paramedic alongside a patient in the hazardous environment of confined spaces, collapsed structures, rubble piles and rural areas.

To effect patient clinical assessment and interventions as appropriate in a hazardous area, where normal ambulance operations cannot safely or effectively respond.


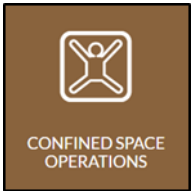






This may be alongside or as the NHS clinical embed within partner agency teams such as Fire & Rescue Services USAR team, HM Coastguard, Mountain, Lowland and Cave Rescue organisations. In certain Confined Space operations in an industrial setting this may be a commercial organisations safety team.


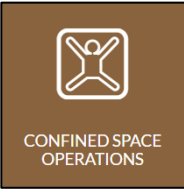

ATV operations are used to move patients, personnel or equipment over challenging terrain or inside cordons.


Activities included:

A comprehensive list of specific activities can be found in the SOP and TISs

- ✓ Substantially enclosed spaces
- ✓ Building collapses
- ✓ Compromised atmospheres
- ✓ Trench rescues
- ✓ Entrapments
- ✓ Active rubble piles
- ✓ Rural access/difficult terrain

<p>Activities NOT included:</p> 	<ul style="list-style-type: none"> X Collapsed buildings with a CBRN factor (i.e. 'dirty bomb' explosion resulting in a collapsed structure) X Rope activity in isolation (without partner agency to establish SSoW) for example rope systems to access confined space. 	
<p>Minimum competence requirements:</p>	 <p>CONFINED SPACE OPERATIONS</p>	<p>Refer to the Training Information Sheet(s) for the mandatory minimum requirements:</p> <ul style="list-style-type: none"> • TIS NH06
	 <p>UNSTABLE TERRAIN</p>	<p>Refer to the Training Information Sheet(s) for the mandatory minimum requirements:</p> <ul style="list-style-type: none"> • TIS NH08
	 <p>ATV OPERATIONS</p>	<p>Refer to the Training Information Sheet(s) for the mandatory minimum requirements:</p> <ul style="list-style-type: none"> • TIS NH09
<p>Minimum staff required for interoperable deployment:</p> <p><i>*This does not define the number of staff contractually required to be trained/competent; but sets the minimum required to declare the ability to deploy nationally (as reported in Proclus).</i></p>	 <p>CONFINED SPACE OPERATIONS</p>	<p>Confined Space</p>  <ul style="list-style-type: none"> • Green – Confined Space qualified
	 <p>UNSTABLE TERRAIN</p>	<p>Unstable terrain</p>  <ul style="list-style-type: none"> • Green – USAR qualified (to include the Team Leader – authorising the activity) • Red – Not qualified

		<p>ATV Operations</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="background-color: green; color: white; padding: 5px; border: 1px solid black;">1</div> <div style="background-color: green; color: white; padding: 5px; border: 1px solid black;">2</div> <div style="background-color: yellow; color: black; padding: 5px; border: 1px solid black;">3</div> <div style="background-color: red; color: white; padding: 5px; border: 1px solid black;">4</div> <div style="background-color: red; color: white; padding: 5px; border: 1px solid black;">5</div> <div style="background-color: red; color: white; padding: 5px; border: 1px solid black;">6</div> </div> <ul style="list-style-type: none"> Green – ATV qualified Amber – ATV or Mover trained (can be substituted by ATV operator no 2) Red – Not trained 																																																	
<p>Activity specific equipment:</p>		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #e1eef6;"> <th style="text-align: left;">PPE:</th> <th style="text-align: left;">EDS:</th> </tr> </thead> <tbody> <tr><td>Boots Incident Ground</td><td>00013</td></tr> <tr><td>Breathing Set Self Rescue Confined Space (Savox) Live</td><td>00018</td></tr> <tr><td>Ear protection Foam Plug</td><td>00039</td></tr> <tr><td>Eye protection – Standard Bolle</td><td>00042</td></tr> <tr><td>Gloves - Debris</td><td>00052</td></tr> <tr><td>Helmet - USAR</td><td>00065</td></tr> <tr><td>Kit Incident Ground</td><td>00071</td></tr> <tr><td>Mask FFP3</td><td>00077</td></tr> <tr><td>Pads - knee</td><td>00081</td></tr> <tr><td>Comms - Radio Airwave Hand Portable Intrinsically Safe (red)</td><td>00089</td></tr> <tr><td>Tally - Personal</td><td>00117</td></tr> <tr><td>Light - Torch Head</td><td>00120</td></tr> <tr><td>Whistle</td><td>00130</td></tr> <tr style="background-color: #e1eef6;"><td colspan="2">Activity specific support equipment:</td></tr> <tr><td>Bag - Kit Personal</td><td>00003</td></tr> <tr><td>CCTV – Body worn</td><td>00020</td></tr> <tr><td>Gloves - Clip</td><td>00030</td></tr> <tr><td>Comms - Headset / Ear accessory Airwave Radio</td><td>00062</td></tr> <tr style="background-color: #e1eef6;"><td>IGT - Belt Remote Monitoring Physiological</td><td>00133</td></tr> <tr style="background-color: #e1eef6;"><td>IGT - Camera Body Worn</td><td>00134</td></tr> <tr style="background-color: #e1eef6;"><td colspan="2"><i>Training and base equipment:</i></td></tr> <tr><td>Breathing Set Self Rescue Confined Space (Savox) Training</td><td>00156</td></tr> <tr><td>Portacount</td><td>00158</td></tr> </tbody> </table>		PPE:	EDS:	Boots Incident Ground	00013	Breathing Set Self Rescue Confined Space (Savox) Live	00018	Ear protection Foam Plug	00039	Eye protection – Standard Bolle	00042	Gloves - Debris	00052	Helmet - USAR	00065	Kit Incident Ground	00071	Mask FFP3	00077	Pads - knee	00081	Comms - Radio Airwave Hand Portable Intrinsically Safe (red)	00089	Tally - Personal	00117	Light - Torch Head	00120	Whistle	00130	Activity specific support equipment:		Bag - Kit Personal	00003	CCTV – Body worn	00020	Gloves - Clip	00030	Comms - Headset / Ear accessory Airwave Radio	00062	IGT - Belt Remote Monitoring Physiological	00133	IGT - Camera Body Worn	00134	<i>Training and base equipment:</i>		Breathing Set Self Rescue Confined Space (Savox) Training	00156	Portacount	00158
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		Mask FFP3	00077
		Pads - knee	00081
		Comms - Radio Airwave Hand Portable Intrinsically Safe (red)	00089
		Tally - Personal	00117
		Light - Torch Head	00120
		Whistle	00130
		Activity specific support equipment:	
		Bag - Kit Personal	00003
		Bag Overnight (sleeping bag, rations etc)	00004
		CCTV – Body worn	00020
		Gloves - Clip	00030
		Comms - Headset / Ear accessory Airwave Radio	00062
		IGT - Belt Remote Monitoring Physiological	00133
	IGT - Camera Body Worn	00134	
	<i>Training and base equipment:</i>		
	Portacount	00158	
		PPE:	EDS:
		Boots Incident Ground	00013
		Eye protection – Standard Bolle	00042
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		Helmet - USAR	00065
		Kit Incident Ground	00071
		Comms - Radio Airwave Hand Portable set	00090
		Tally - Personal	00117
		Whistle	00130
		Activity specific support equipment:	
Non - Auto Inflatable Life Jacket		TBC	
Ear protection Foam Plug		00039	
Comms - Headset / Ear accessory Airwave Radio		00062	
Pads - knee	00081		
Light - Torch Head	00120		
Light - Torch Search (handheld)	00123		
DIM enhancement to supplement above PPE as required:	EDS:		
	DIM - EPD Electronic Personal Dosimeter	00033	
	DIM - Gas Monitor Portable Zellwegger / Impact Pro	00034	
	DIM - GfG Multi Gas Detector	00035	
	DIM - Ram Gene	00036	
Command and Control support equipment:	EDS:		
	Tabbard - Command	00116	
	Entry Control System	00044	
	Cordon tape	00118	
	Loud Hailer	00075	
	Optics - Binoculars	00008	
	Whiteboard – A3 & Dry marker	00149	
Camera - Digital	00019		

	Optics - Rangefinder STC	00091- STC
	IGT - Comms - Back up voice units	00132
	IGT - Camera – Static deployable	00135
	IGT - Data Mesh 3G/4G Sat kit	00136
	IGT - Drone (inc Camera)	00137
	IGT - Comms - Earpiece Radio Airwave	00138
	IGT - Generator - portable	00139
	IGT - Comms - Earpiece - Headset Radio Airwave	00140
	IGT - Printer - portable	00141
	IGT - Comms - Radio Airwave Hand Portable Intrinsically Safe	00142
	IGT - SatCom - portable	00143
	IGT - Screen Portable Briefing	00144
	IGT - Tablet Monitoring TL/ECO	00145
Enhancement for night/low visibility operations:		EDS:
	Light – chemical light sticks (glow sticks)	00057
	Light – Scene Peli 9440	00074
	Light – Eflare (led Safety Strobe)	00152
	Light - Waysafe	00153
	Optics – Night vision STC	00078 - STC
	Optics – Thermal imaging STC	00079 - STC
Enhancement to casualty care: <i>In addition to locally provided clinical equipment</i>		EDS:
	Bag - Equipment USAR	00003
	Bag - Waterproof	00006
	Blanket - thermal	00009
	Body bag - general	00011
	Case – Air/water tight (for drugs/clinical kit)	00027
	Oxygen Delivery System Frontline Mass (backpack)	00080
	PPE Patient	00083
	Stretcher - Sheet carry – with handles	00097
	Sheet Ground/salvage	00098
	Shelter (quick erect) for casualty evac point	00099
	Stretcher - Basket	00105
	Stretcher – Faretech wheeled	00107
	Stretcher MIBS	00108
	Stretcher - Strop MIBS Horizontal Lift	00113
Triage pack	00126	
Version control:	DRAFT Capability Matrix Version 8.5 Revised February 2018	