




Ref Code: (H & S Dept)	VEH-APP-021	<h1 style="text-align: center;">RISK ASSESSMENT (RA2)</h1>	 <b>DEVON &amp; SOMERSET</b> FIRE & RESCUE SERVICE
Description of activity / item being assessed			

Scope			Type of assessment				Domain				
This covers the introduction of the Iveco LRP			Initial	X	Specific		Operational	X	Training		X
			Review		Generic	X	Non- Operational		Other (Please state)		
Sub Routine / Task	Haz No	Hazard Description	Likely Harm	To Whom	Existing Control Measures	Risk Rating			Are Additional Control Measures Required?		
						L	S	R			
Front Cab	1	Access and egress from cab.	Slip, trip or fall leading to bruising or cut	<ul style="list-style-type: none"><li>Operation personnel</li></ul>	<ul style="list-style-type: none"><li>Training and Supervision</li><li>Doors fitted with open friction retainers</li></ul>	2	2	4	None identified		
	2	Access and egress from cab during darkness	Slip, trip or fall leading to bruising or cut	<ul style="list-style-type: none"><li>Operational Personnel</li></ul>	<ul style="list-style-type: none"><li>Training and Supervision</li><li>Cab step illumination</li><li>Doors fitted with open friction retainers</li></ul>	2	2	4	None identified		
	3	Fall from cab when door not correctly closed	Bruising or fracture	<ul style="list-style-type: none"><li>Operational Personnel</li></ul>	<ul style="list-style-type: none"><li>Doors fitted with open warning system (Visual &amp; Audible) activated when handbrake is released.</li></ul>	2	3	6	None identified		
	4	"Accidental release of handbrake. Handbrake not engaged sufficiently"	Crush injuries	<ul style="list-style-type: none"><li>Operational Personnel</li><li>Members of the public</li><li>Other road</li></ul>	<ul style="list-style-type: none"><li>Training and Supervision</li><li>Wheel chock provision in front and behind of wheel.</li></ul>	2	4	8	None identified		
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				users.					
	5	"Accidental fall from step during poor light"	Minor sprain or strains	<ul style="list-style-type: none"> <li>Operational Personnel</li> </ul>	<ul style="list-style-type: none"> <li>Training and Supervision</li> <li>Provision of step lighting</li> </ul>	2	2	4	None identified
	6	Collision with other vehicles, people and objects when driving forward and reversing	Severe injuries	<ul style="list-style-type: none"> <li>Operational Personnel</li> <li>Members of the public</li> <li>Other road users.</li> </ul>	<ul style="list-style-type: none"> <li>Training and Supervision</li> <li>Adequate mirrors</li> <li>Reverse alarm</li> <li>Reverse proximity</li> <li>Policy to deployment banks man when reversing</li> </ul>	2	4	8	None identified
	7	Injury from broken glass as a result of malicious damage	Cuts. Glass, penetration to eyes and skin	<ul style="list-style-type: none"> <li>Operational Personnel</li> </ul>	<ul style="list-style-type: none"> <li>Anti-bandit film to all cab side glass</li> <li>Provision of suitable PPE</li> </ul>	2	2	4	None identified
	8	Injury from taking eyes away from road to operate switches	Strains and sprains	<ul style="list-style-type: none"> <li>Operational Personnel</li> <li>Other road users</li> </ul>	<ul style="list-style-type: none"> <li>Single panel within easy reach of driver</li> <li>Alternate 999 switch and Traffic light switch</li> </ul>	2	2	4	None identified

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Rear Cab	9	Access and egress from rear cab	Slip, trip or fall leading to bruising or cut	<ul style="list-style-type: none"> <li>Operational Personnel</li> </ul>	<ul style="list-style-type: none"> <li>Training and Supervision</li> <li>Internal step</li> <li>Doors fitted with open friction retainers</li> </ul>	2	2	4	None identified
	10	Fall from cab when door not correctly closed	Cuts, bruises	<ul style="list-style-type: none"> <li>Operational Personnel</li> </ul>	<ul style="list-style-type: none"> <li>Training and Supervision</li> <li>Doors fitted with door open warning system (Visual &amp; Audible) activated when handbrake is released.</li> </ul>	2	2	4	None identified
	11	External predator opening of door	Bruising and possible fracture.	<ul style="list-style-type: none"> <li>Operational Personnel</li> </ul>	<ul style="list-style-type: none"> <li>Doors provided with individual internal locking button and rear locking button in centre console(front)</li> </ul>	2	2	4	None identified
	12	Falling equipment in rear cab	Cuts, bruises	<ul style="list-style-type: none"> <li>Operational Personnel</li> </ul>	<ul style="list-style-type: none"> <li>Training and Supervision</li> <li>Clean cab design (minimum equipment)</li> <li>Use of offside and nearside front lockers for PPE stowage</li> <li>Crew of 4 for community safety events to enable stowage of</li> </ul>	2	2	4	None identified

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					PPE/community safety equipment.				
	13	Impact whilst travelling	Minor strains and sprains	<ul style="list-style-type: none"> <li>Appliance crew</li> </ul>	<ul style="list-style-type: none"> <li>Training and Supervision</li> <li>Policy &amp; seat belt provision</li> <li>Safety signs</li> <li>Supervision</li> <li>High viz belt webbing to ease finding.</li> <li>Provision of extra-long seatbelts to allow for use when wearing full PPE</li> <li>3 point belts for rear crew members.</li> </ul>	2	2	4	None identified
	14	Accidental fall from cab steps in poor light and incorrect egress from appliance.	Minor strains and sprains	<ul style="list-style-type: none"> <li>Operational Personnel</li> </ul>	<ul style="list-style-type: none"> <li>Training and Supervision</li> <li>Provision of step lighting</li> <li>Ensure personnel egress backwards from appliance</li> </ul>	2	2	4	None identified
<b>Rear Body</b>	15	Pull out trays	Cuts and bruises	<ul style="list-style-type: none"> <li>Operational Personnel</li> </ul>	<ul style="list-style-type: none"> <li>Training and Supervision</li> <li>High viz tape fitted to three sides.</li> <li>Lock out mechanism provided</li> <li>Weight tested trays with</li> </ul>	2	2	4	None identified

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					appropriate weights				
	16	Slide out vertical tray	Cuts & bruises	<ul style="list-style-type: none"> <li>Operational Personnel</li> </ul>	<ul style="list-style-type: none"> <li>Training and Supervision</li> <li>White in colour.</li> </ul>	2	1	2	None identified
	17	Equipment falling from open lockers	Cuts & bruises	<ul style="list-style-type: none"> <li>Operational Personnel</li> </ul>	<ul style="list-style-type: none"> <li>Training and Supervision</li> <li>Lockers fitted with bespoke stowage and strapped in.</li> </ul>	2	2	4	None identified
	18	Removal of equipment from high level	Strains, sprains or back injury.	<ul style="list-style-type: none"> <li>Operational Personnel</li> </ul>	<ul style="list-style-type: none"> <li>Training and Supervision</li> <li>Provision of slide and tilt trays.</li> <li>Signage provided (eg close when not in use with maximum weights)</li> </ul>	3	2	6	None identified
	19	Unable to open locker due to hosereel branch becoming trapped.	Musculo-skeletal injury	<ul style="list-style-type: none"> <li>Operational Personnel</li> </ul>	<ul style="list-style-type: none"> <li>Training &amp; supervision</li> <li>Dedicated stowage</li> </ul>	2	2	4	None identified
	20	Layout of pump bay	Trapped fingers in tight spaces	<ul style="list-style-type: none"> <li>Operational Personnel</li> </ul>	<ul style="list-style-type: none"> <li>Training and Supervision</li> <li>Dedicated stowage of loose equipment.</li> <li>Provision of stop button.</li> </ul>	2	2	4	None identified

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					<ul style="list-style-type: none"> <li>Provision of radio speaker &amp; handset.</li> </ul>				
<b>Appliance roof</b>	21	Fall from appliance roof	Musculo-skeletal injury	<ul style="list-style-type: none"> <li>Workshop technicians</li> </ul>	<ul style="list-style-type: none"> <li>Limit access to essential activities.</li> <li>Dedicated ladder rest.</li> <li>Training &amp; supervision.</li> <li>Fall restraint equipment provided</li> </ul>	2	4	8	None identified
	22	Removal of ladder.	Musculo-skeletal injury	<ul style="list-style-type: none"> <li>Operational personnel</li> <li>Workshop technicians</li> </ul>	<ul style="list-style-type: none"> <li>Training &amp; supervision.</li> <li>Gantry to remove the need to step up or get on appliance.</li> <li>Training &amp; supervision.</li> </ul>	3	3	9	None identified
	23	Removal of hard suction, Tripple extension ladder and roof ladder.	Musculo-skeletal injury	<ul style="list-style-type: none"> <li>Operational personnel</li> <li>Workshop technicians</li> </ul>	<ul style="list-style-type: none"> <li>Training &amp; supervision.</li> <li>Training &amp; supervision.</li> </ul>	3	3	9	None identified
<b>Other Routines</b>	24	Working in darkness	Slip, trip or fall leading to cuts, bruises	<ul style="list-style-type: none"> <li>Operational personnel</li> </ul>	<ul style="list-style-type: none"> <li>Training &amp; supervision.</li> <li>Scene lighting</li> <li>Cab step lights</li> <li>Cab lights</li> </ul>	2	2	4	None identified

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					• Locker lights				
	25	3rd party colliding with parked appliance on public highway	Severe injuries when hit by road vehicle	<ul style="list-style-type: none"> <li>Operational personnel</li> <li>Other road users</li> </ul>	<ul style="list-style-type: none"> <li>Training &amp; supervision.</li> <li>Hi viz markings</li> <li>Strobe blue lighting</li> <li>Strobe red rear lighting</li> <li>High level stop and tail lights</li> <li>Side indicator repeaters</li> <li>Fend off procedures</li> </ul>	2	4	8	None identified
	26	Spillage of fuel	Slip, trip or fall leading to musculo-skeletal injury	<ul style="list-style-type: none"> <li>Operational personnel</li> <li>Other road users</li> </ul>	<ul style="list-style-type: none"> <li>Training &amp; supervision.</li> <li>Spill kits</li> <li>Cap security</li> </ul>	2	2	4	None identified
	27	Defective equipment	Various injuries	<ul style="list-style-type: none"> <li>Operational personnel</li> </ul>	<ul style="list-style-type: none"> <li>Policy and regimes for reporting identified defects.</li> <li>Standard Test and Maintenance regimes in place</li> </ul>	2	4	8	None identified
	28	Failure of appliance to turnout due to	Prolonged response time resulting in potential	<ul style="list-style-type: none"> <li>Operational personnel</li> <li>Members of</li> </ul>	<ul style="list-style-type: none"> <li>Provision of mains battery charging.</li> </ul>	2	3	6	None identified


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		low / flat battery	worsening of incident.	Public					
	29	Manual handling of stowed equipment	Musculo-skeletal injury	<ul style="list-style-type: none"> <li>Operational personnel</li> <li>Workshop technicians</li> </ul>	<ul style="list-style-type: none"> <li>Specific manual handling risk assessments carried out utilising Firestore software.</li> </ul>	3	2	6	None identified
	30	Noise	Noise induced hearing loss	<ul style="list-style-type: none"> <li>Operational personnel</li> </ul>	<ul style="list-style-type: none"> <li>Specific noise assessments carried out for LRP functions and equipment</li> <li>Provision of hearing protection</li> <li>Provision of 3 yearly hearing tests</li> <li>Sign showing hearing exposure</li> </ul>	2	3	6	None identified
	31	Insufficient amount of BA sets (2 & 1 spare)	Inhalation of smoke	<ul style="list-style-type: none"> <li>Operational personnel</li> </ul>	<ul style="list-style-type: none"> <li>1 Spare set</li> <li>Early make up for additional Appliances and BA Sets.</li> </ul>	2	3	6	None identified
	32	Defective equipment	Various injuries	<ul style="list-style-type: none"> <li>Operational personnel</li> </ul>	<ul style="list-style-type: none"> <li>Policy and regimes for reporting identified defects.</li> <li>Standard Test and Maintenance regimes in place</li> </ul>	2	4	8	None identified

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Below are the additional assessments which may be required by virtue of Service Policy Documents and Statutory Regulations. Strike ~~(strike)~~ through those sections which are not required to support this assessment.

Lone working	Noise at Work (RA6)	Manual handling (RA5)	PPE	COSHH (RA12)	Work Equipment (RA3)	Vibration (RA8)	Other <i>(Please state below)</i>
Fire Risk Assessment <del>{PAS79}</del>	H & S Workplace Assessment— Stations & Other Premises <del>(RA9)</del>	Operational Training / Events <del>(RA7)</del>	Assessment of Public Events—attendance by service vehicles etc <del>(RA7a)</del>	Community use of service premises <del>(RA9a)</del>	Use of Service premises for Social or Fund Raising events <del>(RA9b)</del>	Non operational Lifting Operations <del>(RA11)</del>	

Haz No	Additional Controls	L	S	Revised Risk Rating	Person Responsible for Remedial Action	Date Person Advised	Time Scale	Date Completed
	None identified							

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LIKELIHOOD	CONSEQUENCE (Injury)				
	Catastrophic 5	Major 4	Moderate 3	Minor 2	None 1
Will undoubtedly recur 5	25	20	15	10	5
Will probably recur 4	20	16	12	8	4
May recur occasionally 3	15	12	9	6	3
Do not expect it to recur but may 2	10	8	6	4	2
Cannot believe it will recur 1	5	4	3	2	1


RATING CRITERIA			
Risk Rating	Type of Action	Control Measures	Priority
20 – 25	<b>STOP ACTIVITY</b>	Change Process/Task	Immediate
15 – 19	<b>Warnings/Instructions</b>	Must Introduce	Very High
11 – 14	<b>Consider Safety Measures</b>	Introduce	High
6 – 10	<b>Make Personnel Aware</b>	Add if Possible	Moderate
1 – 5	<b>Monitor &amp; Review</b>	Consider if Appropriate	Low

### Guidance on Likelihood and Severity

Likelihood of Occurrence		
Cannot believe it will recur	1	There is no risk at present. Only under freak conditions could there be any possibility of an accident or illness. All reasonable precautions appear to have been taken. This should be the normal state of the workplace.
Do not expect it to recur but may	2	If other contributing factors become present an accident or illness might occur, but the probability is low and the risk is minimal (e.g. chipped glass window, slightly worn steps).
May recur occasionally	3	An accident may happen if significant additional factors precipitate it, but it is unlikely to happen without them. The additional factor is more than a casual slip and a nudge and would require an additional action or event to trigger it (e.g. leaving a vehicle with engine running, obstructing an aisle causing a trip hazard).
Will probably recur	4	An accident is "likely" to happen if significant additional factors precipitate it i.e. wind, human carelessness etc. but which is unlikely to happen without this additional factor (e.g. ladder not secured, pile of tubes with temporary or makeshift wedge, temporary electrical hook-up to live supply).
Will undoubtedly	5	If the work continues as it is, there is almost 100% certainty that an accident will happen (e.g. broken stair or broken round on a ladder, exposed electrical conductor, tall stack of heavy articles poorly supported).

recur		
Severity of Risk		
None	1	Negligible risk of injury, disease, or financial loss/damage
Minor	2	Minor injury which would allow the individual to continue work after First aid treatment. The duration of the stoppage or treatment is such that the normal flow of work is not seriously interrupted. No adverse media coverage. Minimal financial loss or damage.
Moderate	3	Causing moderate injury or disease capable of keeping an individual off work for four days or more (RIDDOR reportable). Potential for moderate financial loss (from damage to equipment/litigation etc). Adverse media coverage. Moderate business interruption.
Major	4	Causing serious injury to an individual that is "notifiable". Significant potential for financial loss, disruption to Organisation. Potential for litigation/prosecution by failure to significantly conform with statutory duties. Adverse media coverage. Potential prosecution.
Catastrophic	5	Causing single or multiple deaths and/or severe disruption to the Organisation. Potential for extreme financial loss. Adverse national media coverage.

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	Significant litigation cost potential. Potential prosecution of Organisation/individuals.
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