



Ref Code: (H & S Dept)	RISK ASSESSMENT (RA2)				 DEVON & SOMERSET FIRE & RESCUE SERVICE	
Description of activity / item being assessed	Appliance – Toyota- Light Pumping/Rescue appliance					


Scope			Type of assessment				Domain				
Service wide			Initial	x	Specific		Operational	x	Training		
			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			
SUB ROUTINE No 1		FRONT CAB									
	1.1	Access and egress from cab	Slip, trip or fall leading to bruising or cut	<ul style="list-style-type: none">DriverOfficer	<ul style="list-style-type: none">Doors fitted with open friction retainersFamiliarisation of access and egress/ and grab handles during hand over of vehicle	2	2	4	None identified		
	1.2	Access and egress from cab during darkness	Slip, trip or fall leading to bruising or cut	<ul style="list-style-type: none">DriverOfficer	<ul style="list-style-type: none">Cab illumination	2	2	4	None identified		
	1.3	Fall from cab when door not correctly closed	Possible when appliance is stationary. Bruising or fracture	<ul style="list-style-type: none">DriverOfficer	<ul style="list-style-type: none">Audible noise activated when handbrake is released.	2	2	4	None identified		
	1.4	Accidental release of handbrake	Crush injuries	<ul style="list-style-type: none">All personnel	<ul style="list-style-type: none">Training and SupervisionAudible warning if handbrake not engaged and door opened.	2	3	6	None identified		
	1.5	Accidental fall from step during poor light	Minor sprain or strains	<ul style="list-style-type: none">All persons	<ul style="list-style-type: none">Provision of cab lighting	2	2	4	None identified		

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	1.6	Collision with other vehicles, people and objects when driving forward and reversing	Severe injuries	<ul style="list-style-type: none"> All personnel 	<ul style="list-style-type: none"> Adequate mirrors Policy to deployment banks man when reversing 	2	3	6	None identified
	1.7	Impact whilst travelling	Severe injuries	<ul style="list-style-type: none"> All personnel 	<ul style="list-style-type: none"> Air bags for front passengers 	2	3	6	None identified
SUB ROUTINE No 2		REAR CAB							
	2.1	Access and egress from rear cab	Slip, trip or fall leading to bruising and cuts	<ul style="list-style-type: none"> Fire fighters 	<ul style="list-style-type: none"> Cab lighting 	2	2	4	None identified
	2.2	Fall from cab when door not correctly closed	Possible when vehicle stationary	<ul style="list-style-type: none"> Fire fighters 	<ul style="list-style-type: none"> Doors fitted with door open warning system (Visual & Audible) Activated when handbrake is released. 	2	2	4	None identified
	2.3	External predator opening of door	Fall from cab if door is not locked, causing bruising and possible fracture.	<ul style="list-style-type: none"> Fire fighters 	<ul style="list-style-type: none"> Doors provided with individual internal locking button 	2	2	4	None identified
	2.4	Falling equipment in rear cab	If equipment is not secured correctly, possible cuts and bruising.	<ul style="list-style-type: none"> Fire fighters 	<ul style="list-style-type: none"> Bespoke stowage with securing. Correct stowage input given at time of handover and via vehicle familiarisation 	1	2	2	None identified
	2.5	Impact whilst travelling	Impact injury causing bruising or cuts	<ul style="list-style-type: none"> Fire fighters 	<ul style="list-style-type: none"> Policy & seat belt provision, signs and supervision. 3 point belts for rear crew 	2	2	4	None identified

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					members.				
	2.6	Accidental fall from cab steps in poor light	Minor strains and sprains	<ul style="list-style-type: none"> Fire fighters 	<ul style="list-style-type: none"> Provision of cab lighting 	2	2	4	None identified
	2.7	Layout of pump bay	Trapped fingers in tight spaces	<ul style="list-style-type: none"> Fire service personnel 	<ul style="list-style-type: none"> Dedicated stowage of loose equipment. Provision of stop button/isolation button Familiarisation of pump bay area during hand over of vehicle 	2	2	4	None identified
	2.8	Loose equipment	Impact injury causing bruising or cuts if equipment falls out when opening rear door.	<ul style="list-style-type: none"> Fire service personnel 	<ul style="list-style-type: none"> Stowage boxes Strapping down of large equipment Equipment net to hold down loose items Correct stowage input given at time of handover and via vehicle familiarisation 	2	2	4	None identified

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SUB ROUTINE No 3		Driving							
	3.1	Blue light driving	Minor to major injuries	<ul style="list-style-type: none"> Operational personnel Members of the general public 	<ul style="list-style-type: none"> Driver training Vehicle to be driven by qualified PDRC or EFAD drivers only 	2	2	4	None identified
	3.2	4 x 4 Capabilities	Cuts and Bruises	<ul style="list-style-type: none"> Operational personnel 	<ul style="list-style-type: none"> 4 x 4 capabilities for adverse weather only. 4x4 capabilities to be used only by qualified drivers 	2	2	4	None identified
	3.3	Gross vehicle weight	Various injuries	<ul style="list-style-type: none"> Operational personnel Member of the general public 	<ul style="list-style-type: none"> Vehicle weights checked with full inventory (within limits) No additional items of equipment to be added to inventory 	2	2	4	None identified

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SUB ROUTINE No 4		Other routines							
	4.1	Working in darkness	Slip, trip or fall in areas where shadows form	<ul style="list-style-type: none"> Fire service personnel. 	<ul style="list-style-type: none"> Dragon max portable lighting Scene lighting 	2	2	4	None identified
	4.2	3 rd party colliding with parked appliance on public highway	Severe injuries when hit by road vehicle.	<ul style="list-style-type: none"> All 3rd parties Operational personnel 	<ul style="list-style-type: none"> Hi vizibility conspicuity Strobe blue lighting Strobe red rear lighting High level stop and tail lights Side indicator repeaters Fend off procedures 	2	2	4	Additional control
	4.3	3 rd party colliding with parked Rapid Intervention Unit appliance on public highway	Severe injuries when hit by road vehicle.	<ul style="list-style-type: none"> All 3rd parties Operational personnel 	<ul style="list-style-type: none"> Use Light Rescue Pump (LRP) or Medium Rescue Pump (MRP) as primary fend off vehicle on fast roads such as multi-lane carriageways 	2	3	6	Additional control
	4.5	External fire fighting using probes	Peer pressure from general public to enter premises if persons reported.	<ul style="list-style-type: none"> Operational personnel 	<ul style="list-style-type: none"> Do not enter building with limited crew and firefighting media, until further appliances and crew arrive to maintain a safe system of work. 	2	4	8	Additional control
	4.6	Using Cordless drill to gain access for external fire fighting using	Drilling through walls to unknown interior layout i.e- electricity cables, water and Gas pipes or	<ul style="list-style-type: none"> Operational personnel 	<ul style="list-style-type: none"> Use of thermal scanners or thermal image cameras Pre assessment of area prior to drilling 	3	2	6	None identified

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		probes	conduits and boxed in areas.		<ul style="list-style-type: none"> Drill through window frame or external door. 				
SUB ROUTINE No 5		Operating the pump							
	5.1	Exhaust fumes	Carbon monoxide poisoning	<ul style="list-style-type: none"> Operational personnel 	<ul style="list-style-type: none"> Use in open and well ventilated areas. 	3	3	9	None identified
	5.2	Noise from pump power unit	Noise induced hearing loss	<ul style="list-style-type: none"> Operational personnel 	<ul style="list-style-type: none"> Noise assessment Exposure limit labelling Ear defenders or personal ear plugs 	3	3	9	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 (Please state below)
Fire Risk Assessment (PAS79)	H & S Workplace Assessment – Stations & Other Premises (RA9)	Operational Training / Events (RA7)	Assessment of Public Events attendance by service vehicles etc (RA7a)	Community use of service premises (RA9a)	Use of Service premises for Social or Fund Raising events (RA9b)	Non operational Lifting Operations (RA11)	

Haz No	Additional Controls	L	S	Revised Risk Rating	Person Responsible for Remedial Action	Date Person Advised	Time Scale	Date Completed

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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	STOP ACTIVITY	Change Process/Task	Immediate
15 – 19	Warnings/Instructions	Must Introduce	Very High
11 – 14	Consider Safety Measures	Introduce	High
6 – 10	Make Personnel Aware	Add if Possible	Moderate
1 – 5	Monitor & Review	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 recur	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).

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

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