

Key Guidance This section provides a quick overview of some of the key concepts in Army risk assessment. Refer to Notes section for further information. The first line of the risk assessment table, below, shows an illustrative example.

Hazard is anything that may cause harm, e.g. working at height on a ladder.

Risk is the chance that someone or something could be harmed by the hazard, measured by combining (multiplying) the likelihood of it happening with its impact (severity). For example, there may be a 'possible' likelihood that someone that is not competent could fall from a ladder (3 rating – see right) combined with a 'moderate' impact of multiple injuries (2 rating), which creates a score of 6 (low risk). However, the risk should be reduced to as low as reasonably practicable (ALARP) through the implementation of control measures, such as ensuring that only trained people climb the ladder.

Dynamic Risk Assessment compliments generic and specific risk assessment. Regardless of completing this AF 5010, it is beholden on the person creating the risk to continue to monitor the activity and the control measures. Any changes to the activity (including the environmental conditions) or the control measures, must be addressed via the mechanism of a dynamic risk assessment such that risks remain ALARP.

Note however that persons undergoing training cannot be deemed competent until their capability is properly assessed

Likelihood (L)	Multiplied by	Impact (I)	Equals	Risk Score Calculation				
1 – Remote / Rare		1 – Minor						
2 – Unlikely		2 – Moderate						
3 – Possible		3 – Major						
4 – Probable		4 – Severe						
5 – Highly Probable (Almost Certain)		5 – Critical						
		<i>Note: impact number is unlikely to change with control measures</i>						
		Likelihood						
			1	2	3	4	5	
Impact	5	5	10	15	20	25		
	4	4	8	12	16	20		
	3	3	6	9	12	15		
	2	2	4	6	8	10		
	1	1	2	3	4	5		

5 Step Process → **Step 1** – Identify the hazards **Step 2** – Decide who might be harmed and how **Step 3** – Evaluate the risks and decide on precautions (control measures) **Step 4** – Record your significant findings and include in Ex / Coord instructions as necessary. Implement control measures **Step 5** – Review your risk assessment and update as necessary

Dept / Sub-Unit / Unit / Formation:	Army Orienteering Association	Assessor (No, Rank, Name):	24788120 Maj Davis RA
Activity (SSW) / Exercise (SST):	Orienteering Event	Assessor's signature:	Mark Davis
Generic or Specific Risk Assessment:	Specific	Assessment Date:	8 Mar 21
Relevant Publications / Pamphlets / Procedures:	2018DIN07-103 Authority for Army Orienteering & DIO-Civ-Access-Licence 01/02/19 JSP 539 v3.1 Heat Illness and Cold Injury A Commanders Guide to Heat Illness and Cold Injury AC64562 ACSO 1200 ACSO No 3222 Army Heat Illness Prevention AOA Heat Injury Prevention Measures	Review Date for GRA (Step 5):	8 Apr 21

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					(g) L (1 to 5) (Step 3b)	(g) I (1 to 5) (Step 3c)	(h) Score (L x I) (Step 3d)			(k) L (1 to 5) (Step 3g)	(l) I (1 to 5) (Step 3h)	(m) Score (L x I) (Step 3i)	
1	Orienteering	Terrain Deep water, sluices, deep mud Rough and uneven Road Crossings Eye injuries	• Minor injuries / military personal • Minor injuries / general public	Safety Brief given prior to the start. Course design to avoid significant natural obstacles. OOB areas clearly marked and are briefed to runners at the start. Accurate and relevant mapping. Red Tape, road signs, warning in final details, warning on map. Carriage of whistle will be	1	3	3	Yes					Organiser

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				mandatory. Hazardous areas clearly marked on the map. Verbal brief at start of hazardous areas. Competitors advised to be aware of other road users.									
2		Military areas Trenches, pits, barbed wire, etc. UXO	<ul style="list-style-type: none"> Minor injuries / military personal Minor injuries / general public 	Supervision to ensure adequate clothing/footwear. Full route recce conducted.	1	3	3	Yes					
3		Fatigue Increase risk of slips, trips and falls Level of individual ability	<ul style="list-style-type: none"> Reduced physical and cognitive ability / military personal or general public 	Courses cater for different levels of ability. Cut-off time imposed to limit length of competition. Supervision to ensure adequate clothing/footwear designed to prevent injury.	2	1	2	Yes					
4		Dehydration	<ul style="list-style-type: none"> Reduced physical and cognitive ability / military personal Reduced physical and cognitive ability / public 	Safety Brief given prior to the start . Water provided at finish (and on course if weather is hot). Medical Plan in place.	1	3	3	Yes					
5		Lost	<ul style="list-style-type: none"> Risk of hypothermia to military personal or public if they are not found, then in a survival situation 	Courses designed for different abilities. Controls clearly marked, accurate and relevant mapping. Use of compass and whistle encouraged. Actions on lost included in safety brief . Cut-off time imposed, all competitors checked back in, sweep of area at end of event if required.	1	3	3	Yes					
6	Environmental	Severe Weather	<ul style="list-style-type: none"> Heat or cold injury / military personal Heat or cold injury / general public 	Extra care to be taken in adverse weather conditions: -	1	3	3	Yes				Organiser	

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				<p>Cold additional clothing recommendations will be advised including mandatory carrying of waterproof jacket.</p> <p>Hot, water stations will be included along the courses. Water provided at the finish.</p> <p>Notices at registration advising runners will be included.</p> <p>Medical Plan in place.</p> <p>Extra care to be taken in summer months and guidance from AOA additional control measures to taken into account.</p> <p>Dynamic Risk Assessment to be conducted on day of the event.</p>									
7	Diseases	Ticks	Spread of disease to military personal or public	<p>Runners advised to check themselves after the event.</p> <p>Full arm / leg cover mandatory.</p>	1	3	3	Yes					
8	Other Users	<ul style="list-style-type: none"> Horse riders Dog walkers <p>Other military personal/exercises</p>	Minor injury to competitors or other users	<p>Detailed in the safety brief</p> <p>Monitored during the event and reassess as required.</p> <p>Deconflict with other users.</p>	1	1	1	Yes					
9	Catering	<ul style="list-style-type: none"> Food Poisoning <p>Burns</p>	Minor injury to competitors or other users	Organiser to ensure that caterer has own control measures in place and holds relevant risk assessment.	1	2	2						
10	Vehicles & generators	<ul style="list-style-type: none"> Vehicle movement <p>Smoke inhalation</p>	Minor injury to competitors or other users	Signage to indicate runners, movement of vehicles controlled by	1	2	2	Yes					

(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)
Ref	Activity / element (Step 1a)	Hazards identified (Step 1b)	Who or what might be harmed and how, e.g. • Military personnel - fatality • Civ staff / contractors - injury • General public - injury • Environment - spill (Step 2)	Existing control measures (Step 3a)	Assessment with existing controls			Is residual risk acceptable in the context of risk appetite for the activity? (Yes / No) – Refer to Risk Score Calculation above If Yes, move to column (n). If No, identify additional controls (Step 3e)	Reasonable additional controls that can be implemented to reduce risk to ALARP (Step 3f)	Reassessment with additional control measures			List required action(s) to instigate controls (Step 3j)
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				support staff. Generators sighted as to prevent the build-up of harmful emissions.									
11	Fences & cattle grids	• Barbed wire Metal grid, result in slip hazard or entrapment risk.	Minor injury to competitors	Use crossing points, report damage to registration.	1	1	1	Yes					
12	Model Aircraft	Being struck by model aircraft	Minor injury to competitors	Competitors encouraged to respect other users. Briefed on safety brief. Reviewed during event.	1	2	2	Yes					
13	Foresters	• Struck by falling tree • Traffic accident Heavy duty kit and equipment	Minor/major injury to competitors	Competitors encouraged to avoid area of forestry work. Courses planned around these areas IOT avoid Foresters. Cutters is aware of event and potential for competitors being in the vicinity.	1	2	2	Yes					
COVID 19 Specific													
14	Participation in national/ league/club/local orienteering event.	Contracting COVID 19 by Human and Equipment Transfer Organisers, runners and members of the public.	Organisers, runners, and members of the public. Fatality, serious injury and injury Personal who: Are unwell with a cough, fever or other respiratory symptoms? Have been in close contact with a suspected or confirmed case of COVID 19 and within quarantine period. Have returned from overseas country until they have completed the 14-day quarantine period. Currently undergoing COVID testing, until they receive negative result and are symptom free Been asked to isolate by NHS Test and Trace due to them being a contact of known COVID 19 case. Have been advised to stay at home by Health Care professional Who are at higher risk from existing	Military run events are conducted under the SSOW. Every event has either an EASP or Risk Assessment. Orienteering is conducted outside in wide open spaces and ventilation. All SP have been passed through medical selection and are in the main part of the Nation's younger generation. Additionally, they receive mandated physical training minimum three times a week and are annually tested for physical fitness. Any SP that contracts C-19 will be physically fit at the start of the infection and therefore	1	2	2	Yes					

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			health concerns? Self-assessment questionnaire prior to traveling. Tick box as part of entry to confirm that personal do NOT fall into one of these hazards	it can be expected that there is less chance of this being fatal.									
15	Travelling to and from an event	Contracting COVID 19 by Human and Equipment Transfer Organisers, runners and members of the public.		Under own arrangements Face covering should be used IAW DAN 19 para 10. Social distancing guidelines to be observed (i.e. empty seats between personal). Personal should only travel within the same vehicle with personal whom they have already had close contact with.	1	2	2	Yes					
16	Car parking at event	Contracting COVID 19 by Human and Equipment Transfer Organisers, runners, and members of the public.		Clear volunteer plan in place, including timings and duties. Conducted in open air. Volunteers to maintain 2m distance from all vehicles. Volunteers brief on up-to-date HMG guidelines. Increased distance between vehicles. One-way system put in place. Segregation of organiser competitor carparking. Clear signage informing all competitors. Vehicle access points to be maintained to a minimum width of 3-7m. All marshals and volunteers to be briefed on emergency procedures. Proactive monitoring.	1	2	2	Yes					

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17	Number of personnel at the event.	Contracting COVID 19 by Human and Equipment Transfer Organisers, runners, and members of the public.		Controlled by event organiser. Can be reduced to location of event. Bad weather. Availability of maps. Participants to declare large numbers to organiser (more than 10) Participation limited to BAOC.info and MLS. Consider limiting the number of entries. Consider online pre-entry with limited EOD. Consider start window to minimise number of personal at any one time.	1	2	2	Yes					
18	Registration Procedures	Contracting COVID 19 by Human and Equipment Transfer Organisers, runners, and members of the public.		Conducted in controlled manor. Sufficient signage. Ensure social distancing. Ensure access to hand sanitizer. Consider start window to reduce number of personnel waiting to register. Online registration. All hired SI/Emit dibber/card to be disinfected prior to issue Registration behind protective window. Clear signage	1	2	2	Yes					
19	Courses start Procedures	Contracting COVID 19 by Human and Equipment Transfer		Conducted in controlled manor. Sufficient signage	1	2	3	Yes					

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		Organisers, runners, and members of the public.		Competitors segregated by start boxes. Start box arranged to comply with social distancing guidelines. Maps placed in boxes appropriately spaced apart. Extended start times. Allocated start times. Clear signage									
20	Conduct of the race	Contracting COVID 19 by Human and Equipment Transfer Organisers, runners, and members of the public.		Organisers are aware of who is participating and search policy in place. Competitors are to assist others in case of emergency or requiring medical assistance. Course design to be mindful of route choices which may result in number of competitors running alongside each other or passing each other. Competitors receive updated safety at start if required, advised that when following another competitor, they should remain at least 2 10 m behind to avoid inhalation or absorption of respiratory deposits from other competitors. Competitors to maintain 2m at all times on the course. Consider the use of touch free controls to avoid unnecessary contact with controls and equipment.	1	2	2	Yes					
21	Course finish procedures	Contracting COVID 19 by Human and Equipment Transfer		Sufficient distance between finish and download.	1	2	2	Yes					

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		Organisers, runners, and members of the public		Competitors not to congregate at finish or download. Touch EMIT download to be controlled by 2m boxes, competitor place and remove card. Contactless place in finish box. Clear signage									
22	Post-race activities	Contracting COVID 19 by Human and Equipment Transfer Organisers, runners, and members of the public		Competitors advised to vacate the race area asp.	1	2	2	Yes					
23	Ablutions	Contracting COVID 19 by Human and Equipment Transfer Organisers, runners, and members of the public		Minimal sanitising procedures. Good Personal Hygiene. Personnel to be informed to bring their own hand sanitiser. Consider wash stations. Increase spacing between portaloos. High touch surfaces regularly cleaned.	1	2	2	Yes					
24	Catering contractors	Contracting COVID 19 by Human and Equipment Transfer Organisers, runners, and members of the public		Compliant with event rules and regulations. Own contractor/business Risk Assessment. Social distancing when queuing for food/drinks. Remove any available seating and tables. Minimal personnel fully briefed and controlled.	1	2	2	Yes					

Authorising Officer / Warrant Officer / NCO (at unit level)	No, Rank, Name	Post	Date	Signature ¹
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Existing and additional controls agreed				
Where risk is elevated up the CoC, CO to confirm additional controls implemented				

NOTES

Risk = Likelihood x Impact

Likelihood		Definition
5	Highly Probable (Almost Certain)	Is expected to occur in most circumstances
4	Probable	Will probably occur at some time, or in most circumstances
3	Possible	Fairly likely to occur at some time, or some circumstances
2	Unlikely	Is unlikely to occur, but could occur at sometime
1	Remote / Rare	May only occur in exceptional circumstances

Impact		Definition (Health Safety and Environment)
5	Critical	<ul style="list-style-type: none"> Multiple fatalities or permanent, life changing injuries. Permanent loss or damage beyond remediation of an important and publicly high-profile natural resource, area or species. Multiple incidents causing a major environmental impact.
4	Severe	<ul style="list-style-type: none"> A single death or multiple life-threatening injuries. Severe damage over a wide area and/or on a prolonged basis to a natural resource, including controlled waters, or geography requiring multi-year remediation. Single incident causing a major environmental effect or multiple incidents causing significant effect.
3	Major	<ul style="list-style-type: none"> Single life changing injury or multiple injuries which have a short-term impact on normal way of or quality of life. Moderate damage to an extended area and/or area with moderate environmental sensitivity (scarce/ valuable) requiring months of remediation. Single incident causing significant environmental impact.
2	Moderate	<ul style="list-style-type: none"> Multiple injuries requiring first aid. Moderate damage to an area, and that can be remedied internally. Multiple incidents causing minor environmental effect.

Step 5 - Review the generic risk assessment and update if necessary - All generic risk assessments should be regularly reviewed at a frequency proportional to the risk prior to any controls being proposed. In practice generic risk assessments should be reviewed at least annually, or more frequently:

- where required by local instructions/procedures;
- if the safe execution of the activity relies on stringent supervision and/or adherence to a safe system of work;
- if there is reason to doubt the effectiveness of the assessment.
- following an accident or near miss.
- following significant changes to the task, process, procedure, equipment, personnel or management.
- following the introduction of more vulnerable personnel (e.g. persons under 18 or pregnant persons).

Risk Management		
Risk Rating	Authorisation	How Risk should be managed
1 – 3 (Very Low)	LCpl to OF3 (Sub-unit Comd)	Review periodically to ensure conditions have not changed and working within ALARP and risk appetite.
4 – 9 (Low)	OF4 (CO, HoE or CI)	
10 – 14 (Medium)	OF5 / 1* Commander	Good risk mitigations to ensure that the impact remains ALARP and tolerable. Re-assess frequently to ensure conditions remain the same.
15 – 19 (Medium to High)	2* Div HQ	Requires active management – review of desired outcome with additional resources or change to output requirements.
20 (High)	3*/2* Commanders HC, Fd Army & JHC	Contingency plans may suffice together with limited risk mitigations to achieve risk ALARP and tolerable.
25 (Very High)	4* CGS	Operational capability where the required outcome impacts on defined military capability.

¹ Can be electronic signature.

1	Minor	<ul style="list-style-type: none">• An Injury requiring first aid• Limited short-term damage to an area of low environmental significance/ sensitivity• Incidents causing minor environmental impacts	
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