


<p>Hazard is anything that may cause harm.</p> <p>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.</p> <p>Dynamic Risk Assessment compliments generic and specific risk assessment. Regardless of completing this risk assessment, 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.</p>	<p>Likelihood (L)</p> <p>1 – Remote / Rare</p> <p>2 – Unlikely</p> <p>3 – Possible</p> <p>4 – Probable</p> <p>5 – Highly Probable (Almost Certain)</p>	<p>Impact (I)</p> <p>1 – Minor</p> <p>2 – Moderate</p> <p>3 – Major</p> <p>4 – Severe</p> <p>5 – Critical</p> <p><i>Note: impact number is unlikely to change with control measures</i></p>	<p>Risk Score Calculation</p> <table border="1"> <thead> <tr> <th colspan="2" rowspan="2"></th> <th colspan="5">Likelihood</th> </tr> <tr> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>5</th> </tr> </thead> <tbody> <tr> <th rowspan="5">Impact</th> <th>5</th> <td>5</td> <td>10</td> <td>15</td> <td>20</td> <td>25</td> </tr> <tr> <th>4</th> <td>4</td> <td>8</td> <td>12</td> <td>16</td> <td>20</td> </tr> <tr> <th>3</th> <td>3</td> <td>6</td> <td>9</td> <td>12</td> <td>15</td> </tr> <tr> <th>2</th> <td>2</td> <td>4</td> <td>6</td> <td>8</td> <td>10</td> </tr> <tr> <th>1</th> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> </tr> </tbody> </table>			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
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Group:	Cadets / DoFE / Organised Groups	Assessor (Name):	Jordan Stenton
Activity:	Blacksmithing	Assessor's signature:	
Generic or Specific Risk Assessment:	Specific	Date created:	23 January 2024
		Date reviewed/updated	8 January 2025


(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. • Participants – injury Staff - injury (Step 2)	Existing control measures (Step 3a)	Assessment with existing controls			L (1 to 5) (Step 3b)	I (1 to 5) (Step 3c)	Score (L x I) (Step 3d)	Is residual risk acceptable in the context of risk appetite for the activity? (Yes / No) – Refer to Risk Score Calculation above <i>If Yes, move to column (n). If No, identify additional controls</i> (Step 3e)	Reasonable additional controls that can be implemented to reduce risk to ALARP (Step 3f)	Reassessment with additional control measures			L (1 to 5) (Step 3g)	I (1 to 5) (Step 3h)	Score (L x I) (Step 3i)	List required action(s) to instigate controls (Step 3j)
1	Forge layout	Trips/use of tools/hot surfaces	Participants / staff	<p>Forging area demarcated by pen - physical barrier around forging area.</p> <p>Forging area checked and cleared of any trip hazards.</p> <p>Only x2 participants (and Blacksmith) within the penned area at any one time.</p> <p>No participant to enter penned off area without express permission from Blacksmith.</p> <p>Participant waiting detail - remain outside of the penned-off area at all times</p>	1	2	2			YES								Instructor/safety staff to control every aspect of activity at all times.	

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2	Blacksmithing	Incorrect techniques used by participants	Participants	Experienced, full-time, qualified, Blacksmith Instructor. Blacksmith provides full safety brief, demo and explanation at start of lesson/practical. Participants taught words of command at start of lesson/practical Lesson taught in slow time. All practical activity supervised 2-1 by Blacksmith.	2	2	4				YES	Additional staff supporting supervision						Instructor/safety staff to control every aspect of activity at all times.	
3	Blacksmithing	Movement around forging area	Participants	Blacksmith explains and demos movement around forge at start of lesson/practical.	1	2	2				YES	Additional staff supporting supervision						Instructor/safety staff to control every aspect of activity at all times.	

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				Blacksmith explains and demos words of command for movement around forge at start of lesson/practical. All movement controlled and in slow time. Forging equipment placed to minimise movement around the forging area.															
4	PPE	Injury – burns/burrs/ sharp objects	Participants	Blacksmith explains and demos PPE and order of dress at started of lesson/practical. Participants issued welding glove, eye protection and apron; checked	1	3	3			Yes	Additional staff supporting supervision							Instructor/safety staff to control every aspect of activity at all times.	

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				for loose hair and clothing. No participants to enter forging area without correct PPE and order of dress.															
5	Kit & equipment	Incorrect use of tools/kit and equipment Faulty kit/equipment	Participants / staff	Only Blacksmith to set-up kit and equipment. Blacksmith explains and demos named parts and safe use of kit, equipment and tools at start of lesson/practical. All kit and equipment checked for serviceability by Blacksmith prior to start of lesson/practical. All kit and equipment	1	2	2			Yes							All transitions in view and closely monitored by safety staff		

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				checked regularly by Blacksmith throughout duration of lesson/practical. Any faulty kit/equipment quarantined.															

Authoriser (See risk management table on next page)	Name	Post	Date	Signature
Existing and additional controls agreed	Jordan Stenton	Tangier Wood Director	8 January 2025	
Where risk score is over 15 Tangier Wood Director to verify suitability of proposed controls and confirm additional controls are 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	Example (Health Safety, Environment & Safeguarding)	
5	Critical	<ul style="list-style-type: none"> Fatality or permanent, life changing injuries to an individual. Incident causing a major environmental impact. A serious safeguarding incident which may have a life altering effect
4	Severe	<ul style="list-style-type: none"> 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. Increased safeguarding risk (cadet lone travelling) / Multiple safeguarding incidents
3	Major	<ul style="list-style-type: none"> Injury requiring the emergency services. Moderate damage to an area, and that can be remedied internally. Actions which may create strain on the safeguarding supervision of cadets (low ratios or remote supervision etc)
2	Moderate	<ul style="list-style-type: none"> Injury requiring first aid Damage to an area that will be immediately repaired. Normal activity that has the potential to escalate (eg cadets in accommodation leading to horseplay)
1	Minor	<ul style="list-style-type: none"> Small amount of physical exertion Unnoticeable or self-repairing damage to non-protected environment/

Step 4 - 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 Rating	How Risk should be managed
1 – 4 (Very Low)	Review periodically to ensure conditions have not changed and working within ALARP and risk appetite.
5 – 9 (Low)	
10 – 12 (Medium)	
15 – 16 (Medium to High)	Good risk mitigations to ensure that the impact remains ALARP and tolerable. Re-assess frequently to ensure conditions remain the same.
20 (High)	Requires active management – review of desired outcome with additional resources or change to output requirements.
25 (Very High)	Exceptional Circumstances must have demonstrable positive impact which is unachievable with lower risk.