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| **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** |
|  | **Likelihood** |
| **1** | **2** | **3** | **4** | **5** |
| **I****m****p****a****c****t** | **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** |

 |
| 1 – Remote / Rare2 – Unlikely3 – Possible4 – Probable5 – Highly Probable (Almost Certain)  | 1 – Minor2 – Moderate3 – Major4 – Severe5 – Critical*Note: impact number is unlikely to change with control measures* |
| **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 |

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| **Dept / Sub-Unit / Unit / Formation:** | 39 Engr Regt | **Assessor (No, Rank, Name):** | 25140974 |
| **Activity (SSW) / Exercise (SST):** | Scout Groups on Kinloss indoor climbing wall. | **Assessor’s signature:** | Dan Vaccaro |
| **Generic or Specific Risk Assessment:** | Specific | **Assessment Date:** | 04-12-24 |
| **Relevant Publications / Pamphlets / Procedures:** | [1st Elgin Scout Group Climbing Risk Assessment.](https://1stelginscoutgroup.co.uk/docs/Climbing%20Risk%20Assesment%202019.pdf)[39 Engr Regiment Climbing Risk Assessment](https://modgovuk-my.sharepoint.com/%3Aw%3A/r/personal/dan_vaccaro619_mod_gov_uk/_layouts/15/Doc.aspx?sourcedoc=%7B98872BE0-6BEA-46C9-8DA3-5806EE72993C%7D&file=20231109-Rock_Climbing_Risk_Assessment-23-24.docx&action=default&mobileredirect=true)[Unity Insurance changes to scouts' liability for climbing events and non-members](https://1stelginscoutgroup.co.uk/docs/Climbing%20Risk%20Assesment%202019.pdf) | **Review Date** **for GRA** (Step 5)**:** |  |

| (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 – injuryGeneral public – injuryEnvironment - 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) |
| **L (1 to 5)**(Step 3b) | **I(1 to 5)** (Step 3c) | **Score (L x I)**(Step 3d) | **L (1 to 5)**(Step 3g) | **I(1 to 5)**(Step 3h) | **Score (L x I)**(Step 3i) |
| 1 | Transiting through the Gym/ Climbing. | Safeguarding | Cubs, Leaders, Soldiers.  | * No Adult is to be left alone with a cub at a 1:1 ratio. Adults must always be in line of site with another individual that can see their actions.
* Where possible a changing room will be delegated for the group to minimise the chance of cubs being left on own with soldiers.
* Cubs are to be escorted in a minimum of pairs with a leader who has passed the PVG check.
 | 1 | 3 | 3 |  |  |  |  |  | * All Leaders to be in date for the online safeguarding module.
 |
| 2 | Dropping off/ Picking up | Road Safety | Injury to Cubs, Leader's,  | * Leaders will be present to meet the cubs at the guard room car park, so they disembark away from the main road.
* Assembly area will be to the side of the car park on the grass. To aid in keeping cubs away from the main road.
* Cubs will be given high vis vests for transiting across the road and through the SLA side of camp.
* Group numbers have been reduced to make it easier to manage the group.
 | 1 | 3 | 3 |  |  |  |  |  | * Sgt Vaccaro to ensure high vis vests are brought and cyalumes.
* Leaders to bring torches to light start and end of group.
 |
| 3 | Transiting through the Gym | General Safety | Injury to Cubs, Leaders, Gym users. | * When outside of the room housing the climbing wall, all cubs are to be escorted by a leader.
* Safety brief is be delivered to the group prior to transiting through the gym. To include.
* Not to touch gym equipment
* Actions on Fire
* Toilets
* Safe transiting
 | 1 | 3 | 3 |  |  |  |  |  | * Sgt Vaccaro to brief the cub's safety points before entering the gym.
* Leaders to be Briefed on Fire muster points prior to session starting
 |
| 3 | Time on Barracks | Accountability | Cubs | * A nominal roll will be taken prior to the session.
* Once inside the climbing wall, the door will remain closed so leaders can monitor where each cub is.
* Head counts will be conducted frequently.
* Cubs will be partnered up.
 | 1 | 3 | 3 |  |  |  |  |  | * Section Scout Leader to ensure all names are loaded to Online Scout Manager prior to the start of the session.
 |
| 4 | Climbing | Falls from Height | Injury to Leaders/Cubs/ Participates | * All Belayers are to be seconded.
* The ratios will be de-creased to 1 Leader 3 Cubs.
* All knots to be inspected by the instructor prior to climbing.
* Cubs are to be paired up in rough weight order.
* If needed, assisted Belay devices (Gri,Gri) are to be used.
 | 1 | 3 | 3 |  |  |  |  |  | * Instructor to manage.
 |
| 5 | Climbing |  Equipment Failure | Injury to Leaders/ Cubs/ Participates  | * The equipment is to be used for specified activities.
* Maintained IAW manufacturer’s instructions and guidelines.
* Only serviceable equipment that has undergone a serviceability check by qualified personnel must be used.
* Equipment will be checked pre and post activity.
* Only qualified personnel will check the equipment for defects and deficiencies.
* All personal equipment being used must be inspected by the instructor prior to commencing the activity.
* Any equipment damaged or unfit for use must be removed immediately.
 | 1 | 3 | 3 |  |  |  |  |  | * Instructor to inspect equipment prior to start of session.
 |
| 6 | Climbing | Muscular strain, skeletal injuries and general injuries. | Injury to Leaders/Cubs / Participates  | * A warmup will be taken prior to the start of the activity.
* Activity will be physically progressive IOT avoid sudden strain on cool muscles.
* Helmets will be worn when by all participates.
* Any participates with long hair are to tie their hair back, this is down to the instructor's discursions.
* Neckers are to be removed.
* Ensure suitable footwear clothing is to be worn prior to the start of the activity.
 | 1 | 3 | 3 |  |  |  |  |  | * Instructor to bring a pack of hair bands.
 |
| 7 | Climbing | Item falling from height | Injury to Leaders/Cubs / Participates | * Instructor is to ensure participates empty their pockets and remove any items that could potentially fall of their person.
 | 1 | 3 | 3 |  |  |  |  |  |  |
| 8 | Climbing  | Falls due to ill-fitting harnesses | Injury to Leaders/Cubs / Participates | * All sizing is to be checked by the instructor prior participates climbing.
 | 1 | 3 | 3 |  |  |  |  |  | * Instructor to inspect fit all harness before participants are allowed to climb.
 |

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| **Authorising Officer / Warrant Officer (at unit level)** | **No, Rank, Name** | **Post** | **Date** | **Signature** |
| **Existing and additional controls agreed** | 25213435 Maj Gill | OC 53 Fd Sqn | 11 Jan 24 | JGill |
| **Where risk is elevated up the CoC, CO to confirm additional controls implemented** |  |  |  |  |

NOTES

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| **Risk = Likelihood x Impact**

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| **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 |

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| **Impact** | **Definition (Health Safety and Environment)** |
| **5** | **Critical** | * 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** | * 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** | * 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** | * Multiple injuries requiring first aid.
* Moderate damage to an area, and that can be remedied internally.
* Multiple incidents causing minor environmental effect.
 |
| **1** | **Minor** | * An Injury requiring first aid.
* Limited short-term damage to an area of low environmental significance/ sensitivity
* Incidents causing minor environmental impacts
 |

  | **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).

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| **Risk Management** |
| **Risk Rating** | **Authorisation** | **How Risk should be managed** |
| **1 – 3(Very Low)** | **OC** | **Review periodically** to ensure conditions have not changed and working within ALARP and risk appetite. |
| **4 – 9(Low)** | **CO** |
| **10 – 12****(Medium)** | **OF5 / 1\* Bde HQ** | **Good risk mitigations** to ensure that the impact remains ALARP and tolerable. Re-assess frequently to ensure conditions remain the same. |
| **15 – 16(Medium to High)** | **2\* Div HQ** | **Requires active management** – review of desired outcome with additional resources or change to output requirements.  |
| **20(High)** | **3\* – HQ HC & FA** | **Contingency plans** may suffice together with limited risk mitigations to achieve risk ALARP and tolerable. |
| **25(Very High)** | **4\* – CGS, Army HQ** | **Operational capability** where the required outcome impacts on defined military capability. |

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