



Risk Assessment

Process / Task: **Running the Throwing Range**

Risk Assessment No: **RA ATA 002** Version: **1**

Date Reviewed: **30/05/2022**

Mandatory PPE and/or Equipment to be used

Safety boots MUST be worn at all times.

Generic factors to consider

Controls

Lighting levels (Winter period in particular)

Battery powered lights / torch etc.

Temperature levels

Suitable clothing for season

Activity Stages	Hazards	People at Risk from the Activity	Risk Score Before Controls	Control Measures	Risk Score After Controls
Entering and traversing the throwing range	Slips, trips and falls	Range Master	✓	Care taken when traversing the throwing range; particular attention must be paid to potential trip hazards. Suitable footwear with adequate tread must be worn.	✓
Explaining the rules and control measures of the event to the participants	Misunderstanding / Ambiguity of the event and rules	Range Master, Participants, Spectators	!	The Range Rules are displayed within the Spectator Area. In addition, copies are given to all participants and details verbally explained by the Range Master. A liability waiver form must be read, understood and signed by all persons and/or their adult representative if under 18 years of age.	!
Welcoming participants onto the range	Slips, trips and falls	Range Master, Participants, Spectators	!	Participants are welcomed onto the throwing range once the range is clear. Participants are informed of the layout and to be mindful of the ground surface (if grassed or other natural material which may not be uniform or undulating).	!
Unboxing the projectile tools from the locked storage chest	Cuts / Puncture wounds	Range Master	!	Care taken when opening the tool chest in case the projectile tools have moved in transit. Each tool is visually inspected for damage including but not limited to burrs or splinters.	✓
Placing the projectile tools onto the range ready for participants to use	Manual Handling	Range Master	✓	Manual Handling trained staff. Care taken when placing the equipment onto the range.	✓

Activity Stages	Hazards	People at Risk from the Activity	Risk Score Before Controls	Control Measures	Risk Score After Controls
	Slips, trips and falls	Range Master	✓	Staff members must be mindful of equipment on the ground which may pose a trip hazard.	✓
Demonstrating the correct throwing technique for each of the projectile tools and retrieval	Manual Handling	Range Master	✓	Equipment demonstrations are completed in a methodical controlled manner. Emphasis is placed upon a smooth throwing technique and not force. The Range Master may switch throwing arms to reduce the likelihood of repetitive strain injuries (WRULDS).	✓
	Cuts / Lacerations / Puncture wounds	Range Master	✗	The projectile tools must only be held by the fixed handle; never by the blade. When retrieving projectile tools, those stuck within the target must be collected first (highest to lowest); then retrieval of projectile tools below the target and then finally projectile tools which have missed and landed in the "dead zone" behind the targets.	✓
	Projectile tool ricochet / rebound	Range Master, Participants	!	All persons must be kept at a safe distance from the Range Master and selected target for the demonstration in case of ricochet / rebound.	!
Participants throwing projectile tools	Cuts / Puncture wounds	Participants	!	Participants are instructed in how to safely handle the projectile tools. In addition, participants are given a physical demonstration of how to safely throw the projectile tool by the Range Master. Participants are advised to visually inspect the projectile tools after each and every throw. If projectile tools clash; extra care must be taken in case a metal burr has occurred on one or more of the projectile tools. Any uncertainty must be raised.	!
	Projectile tool ricochet / rebound	Participants, Range Master	!	Participants must stand at a safe distance from the target stands at all times and are encouraged to throw in a smooth, controlled manner. Exaggerated or forceful throwing techniques will not be tolerated and may lead to the dismissal of the participant from the throwing range. Participants must not attempt to catch and projectile tool which rebounds.	!
Dropped projectile tools	Injury to lower limbs / feet	Participants	!	Participants are instructed to keep a firm control of the projectile tool at all times. Projectiles are to be held steady and not swung, balanced or flipped. Closed-toe shoes must be worn. The Range Master is First Aid trained and has a First Aid kit available at all times.	!

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Uninvited spectators / children / animals entering the throwing range	Severe injury / death from thrown projectile tools	All 3rd parties including animals	!	A 3+ metre exclusion perimeter must be maintained around the throwing range at all times. Any persons and/or animals approaching the perimeter line will be asked to maintain a safe distance away or all throwing will cease; indicated by a verbal call of "STOP" or by the sound of a sharp whistle blast. All participants must then place their projectile tools onto the ground and wait for further instruction from the Range Master.	!
Retrieval of thrown projectile tools from targets / underneath targets / behind the targets in the "dead zone"	Severe injury from thrown projectile tools	Participants, Range Master	!	Retrieval of thrown projectiles can only be completed once all projectiles have been thrown or placed onto the ground. Each participant must indicate their status by calling out "CLEAR" when they no longer have a projectile tool in their hand. Each participant must then visually check that all other participants are not holding projectile tools. The Range Master will verify and call "SAFE TO COLLECT" indicating it is safe for participants to approach the targets or enter the "dead zone" at the rear of the targets.	!
	Falling projectile tools	Participants, Range Master	!	When retrieving projectile tools, those stuck within the target must be collected first (highest to lowest); then retrieval of projectile tools below the target and then finally projectile tools which have missed and landed in the "dead zone" behind the targets.	!
	Upturned projectile tools (live blade facing upwards)	Participants, Range Master	!	Participants must take care when retrieving thrown projectile tools. If any items have landed with the blade facing upwards, assistance must be sought from the Range Master.	!
Passing of projectile tools from one group to the next	Cuts / Lacerations / Puncture wounds	Participants	✘	The passing of projectiles is prohibited at all times. At the end of the throwing session all projectile tools must be placed onto the ground. The participants must not leave until all projectile tools have been accounted for and collected by the Range Master.	!
Inappropriate, intimidating or threatening behaviour	Various	Spectators, Participants	!	Any person behaving inappropriately towards Spectators, Participants or the Range Master will be asked to leave the throwing range. Security and/or the Police may be called if required.	!

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Deliberate theft or lost projectile tools	Bladed item(s) taken into uncontrolled environment	Participants	!	All projectile tools must be accounted for prior to the participants leaving. Each participant is assigned their own coloured projectile tools. If any tools have been lost or cannot be accounted for, the details disclosed on the participants waiver form will be passed onto the event organisers and/or the Police.	!
Transmission of infections or viruses	Various	All persons	!	Participants are encouraged to maintain safe distancing whilst on the throwing range. Alcohol based hand sanitizer is provided for the participants to use as required.	!
0	0	0	✓	0	✓