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Name of activity	Crate stack	Reference number							
Location of activity	North Centre	Ratio for activity	2: 12						
Level of qualification needed to lead	RCI assessed or ERCA high ropes instructor and separate in house training and assessment provided and directed by MIC MIA UIAGM Mountain Guide ERCA Instructor provider								
Level of qualification needed to second	RCI training and separate in house training and assessment directed by MIC, MIA, IFMGA Mountain Guide or ERCA Instructor provider								
This document must be read in conjunction with									
Key: L – Likelihood, S – Severity, R – Risk					Risk Score 1- 2 = Low 3- 4 = Medium 5- 6 = High				
Activity Description	Foreseeable Hazard	Who might be harmed and how?	L	S	R	Control measures	L	S	R
Building the stack	Stack builders falling	Group members stack building falling, hitting the ground or their helpers, bodily impact injury	3	2	5	Stack builders belayed, PPE/FPE correctly fitted harness, tie in with rethreaded figure 8 knot	1	2	3
Building the stack	Ropes twisting or entangling	Group members stack building colliding with each other, minor bodily injury	3	2	5	Supervision, stack builders check their ropes are not getting twisted	1	2	3
Collapse of stack accidental or planned	Falling crates	Group members hit by falling crates, bodily impact injury	3	2	5	PP/FPE correctly fitted, controlled collapse, stack demolished in sections group behind net	1	2	3



Activity Description	Foreseeable Hazard	Who might be harmed and how?	L	S	R	Control measures	L	S	R
Stack builder	Fall trip, loss of balance	Any stack builder falls hits the ground, bodily impact injury, fatality	2	3	5	Tight rope particularly close to ground, direct supervision of belay process, stack builders not to hold their ropes	1	3	4
Release of Pro Traxion cam	Cutting or trapping fingers when releasing loaded Pro Traxion	Anybody releasing the Pro Traxion when loaded	2	3	5	Training in how to release a jammed Traxion and how to avoid in the first place direct supervision by instructor. Never leave Italian hitch without tying the hitch of. Never leave rope loaded jammed on Pro Traxion on its own	1	3	4
Stack building or assisting	Manual handling lifting	Stack builders or assistants strain lifting injury	2	2	4	Briefing, warm up, coach importance of team work	1	2	3
PPE/PPE equipment	Incorrect fitting or use of safety equipment	Any member of group, incorrect use or fitting of equipment, bodily injury or fatality	2	3	5	Vigilance and checking by Instructors, beware changeovers, check harnesses and links in safety chain	1	3	4



Activity Description	Foreseeable Hazard	Who might be harmed and how?	L	S	R	Control measures	L	S	R
Belaying safety ropes	Incorrect use of system, unsafe belaying technique, distraction, lack of direct supervision particularly lowering	Any stack builder falling or being lowered, hitting the ground, bodily impact injury, fatality	2	3	5	Ensure direct supervision of the belay process, make sure both hands are on the control rope when lowering, tie of Italian hitch If student staying at height do not leave held jammed on pro traction only	1	3	4
Equipment failure	Damaged or equipment failure	Any member of the group, bodily impact injury, fatality	2	3	5	Dynamic risk assessment at site, safety checks, maintenance schedule	1	3	4
Handling crates	Damaged chipped crate edges	Any member of the group handling crates, cuts, abrasions	2	2	4	Wear gloves handling crates	1	1	2
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