

# Tyrolean Traverse for groups

Candidate Name		Date of assessment	
Tyrolean Training by		Training Date	
Reg. No		Reg. Date	Date of birth

<p><b>ETHICAL CONSIDERATIONS</b> Venue choice and consideration to other users</p> <p><b>VERTICAL EQUIPMENT</b> Leader's Personal Equipment – suitability / care Choice and suitability of equipment for group members' – harness / cowstails / travelling pulley etc  Knowledge of PPE regulations and Equipment Standards Ropes – appropriate type / inspection / usage / storage / tolerance of tensioned rope over edges Karabiner / Maillons – types / usage / limitations etc / care and inspection Belay / Clutch Device – appropriate types / limitations / general slip rates Ascenders – types / limitations Pulleys - types / usage / limitations</p> <p><b>KNOTS</b> Use of an appropriate range of knots Knowledge of suitability / limitations Use of slings etc. to construct belays</p> <p><b>FORCES</b> Understanding of Mechanical Advantage (MA) systems including force distribution around the MA system Understanding of the forces involved in a Tyrolean – during rigging / in use / dynamic loading / re-tensioning</p>	<p>Tension limiting methods Clutch systems – uses, understanding and limitations Pros / Cons of two tensioned ropes – understanding of forces with additional tensioned rope</p> <p><b>RIGGING</b> Equipment Preparation / Packing Rigger Protection – methods and their advantages / limitations Natural Anchors – suitability and use Artificial Anchors – pre-use checks – alignment and forces – redundant belays Pitch head – approach / ease of access / position of leader and problem prevention Edge avoidance – re-directions (if necessary)</p> <p><b>GROUP MANAGEMENT</b> Management on and off traverse – high rigging / adjustable lanyard (if necessary) / safe management on and off traverse / maximise working area Ability to assist clients over Tyrolean / control descent on a descending Tyrolean Limit dynamic loading Awareness of sag and edges during use</p> <p><b>EMERGENCY TECHNIQUES</b> Limitation of rescues Haul systems Release techniques under load</p>
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# Tyrolean Traverse for groups

## Assessors Notes for the Syllabus

The Tyrolean Traverse for Groups Module is an optional module for those wishing to run a Tyrolean Traverse underground with groups as part of their Level 2 Cave & Mine Leader Award & Cave Instructor Certificate.

There is an element of training and assessment required for this module. In exceptional cases candidates may present directly for assessment following agreement by the Qualification Management Committee (QMC) with support from a Tyrolean Trainer/Assessor.

### Module Training

Training may be delivered as a stand-alone module, accessible to those who have already completed the Level 2 or CIC training, or as part of an extended (normally an additional 7hrs) Level 2 training course.

### Module Assessment

The Tyrolean Module is an addition to the Level 2 Cave & Mine Leader award & (or) Cave Instructor Certificate, therefore is only valid once the Level 2 or CIC award has been fully completed.

Candidates may present for assessment as part of their module 3 (Vertical Skills) assessment, or as a stand-alone assessment, providing the candidate has already passed their module 3 assessment.

Candidates presenting for the Module 3 and Tyrolean Module assessment combined must be assessed 1:1. Candidates also wishing to present for their Module 5 should expect an extended day (again assessed 1:1)

Completion of Tyrolean Module does not extend the requirement for candidates to complete their Module 4 assessment within 12 months of their Module 3 assessment.

### Route to becoming a Tyrolean Module Trainer/Assessor

An approved trainer/assessor must deliver both training and assessment of the Tyrolean Module.

To become a Tyrolean Module trainer/assessor a trainer/assessor must be qualified to deliver training and assessment at Level 2, have completed the Tyrolean Module themselves, **and** have either included the Tyrolean Module as part of the apprenticeship process (by both assisting on a Tyrolean training and assessment), or attending a stand alone Workshop on delivering this module by a Tyrolean provider.

### Current Trainer/Assessors for the Tyrolean Module

Gethin Thomas (Tyrolean provider)  
Dena Proctor

Dave Baines  
Peter Knight