

The references included in this document are non exhaustive and provided as a guidance on the theoretical elements which are included in the IRATA Level 3 online theory examinations.

Questions have been produced on the theoretical knowledge requirements as defined in the IRATA Training Assessment and Certification Scheme (TACS) [TC-101ENG].

Question Category	Subject	TACS	ICOP	Other
Hazard Identification and Risk Assessment	The work at height hierarchy	6.6.1.2	1.4 Principles, Part 4 – 4.2.7.6 Clause 2.2.2, 2.2.4.3 2.3 2.4	
	Safe use of equipment	6.6.2.2, 6.6.12.2	2.7. Selection of equipment Figure 2.1, 2.10.1.3, 2.10.9	
	Edge management	6.4.6	2.11.3.2 Protection methods for anchor lines 2.11.7.2, 2.11.11	IRATA Edge Management Poster [FM-120ENG]
	Rigging for hazards	6.4	2.11.2.19, 2.11.2.20 2.11.3.1.5 2.11.2.14, 2.11.2.15(a)	Assessor and Instructor Deviation Guidance [GU -235ENG]
	Safety and anchor loads	6.4.2	2.11.2 The anchor system	
	Hazards and controls	6.4.6	Annex P – Recommended actions for the protection of anchor lines 2.11.3.1.7, 2.11.3.1.16	IRATA Edge Management Poster [FM-120ENG]
	Long descents	6.8.6.1		Historical training techniques use of double descenders
	Hot and cold environments		Annex O – Protecting rope access technicians against environmental conditions O.3.6.1 Protecting the torso and arms by layering	
	Risk assessment method statements safety briefing pre-start checks	6.2.3 6.2.6.2 6.2.6	2.2.4 Risk assessment - Annex A 2.2.5 Safety method statement - Annex B 2.11.7 Pre-work checking	
	Fall factors	6.7.1.2	Annex Q – Fall factors, fall distances and associated risks	

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Question Category	Subject	TACS	ICOP	Other
Selection of Access Method	Safe methods of access and equipment	4.6.1	Annex L Other harness-based work at height access methods 1.3 Terms and definitions - work at height and work restraint 2.2 Planning and management	
	Safe systems of work	1.1, 1.3 3.1.3 6.1.1 6.2, 6.2.6	2.1 General introduction	
	Rigging types and angles Re-anchor	6.4 Rigging	2.11.2 The anchor system 2.2 Planning and management	Assessor and Instructor Deviation Guidance [GU-235ENG]
	Work restraint and fall arrest	6.4.10 Work restraint lines 6.4.11 Vertical fall arrest systems	Annex L Other harness-based work at height access methods 2.7.9 4.2.7.6, Part 4	
	Adjustable lanyards	6.4.10.2.2	Annex E – Other types of lanyard Terms and definitions - work restraint and fall arrest E.2 Fall arrest lanyards E.3 Work positioning lanyards E.4 Restraint lanyards	
Selection of Personnel and Competence	IRATA rope access technician levels	3 Levels of qualification	1.4.2.2, 1.4.2.5.9 1.4.3.7 2.5	
	TACS syllabus requirements at each IRATA level	3. Levels of qualification	2.11.6	
	Installation and inspection competency		Annex F – F.2 Warning!	
	Newly qualified technicians		2.5.2.3	

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Safety Method Statement	What must be included in a safety method statement	6.2.6	2.2 Planning and management Annex B Safety method statements	
	Rescue plans	6.2.8	Annex A – Risk assessment Annex B – Safety method statement 1.4.2.7 1.4.3.1.1 2.1.2	IRATA Membership Requirements [QP-300ENG], clause 4.2.2
Exclusion Zones, Protection of Third Parties and Permits to Work	Exclusion zones dropped objects	6.2.7	Annex A: Risk assessment Annex M: Use of tools and other work equipment	IRATA Prevent Dropped Objects Poster [FM-323ENG]
	Safe use of tools and equipment		Annex M: Use of tools and other work equipment	
	Bulky or awkward		Annex M – M.4 Bulky, awkward, or heavy equipment	
Planning for Emergencies	Rescue planning	6.2.8	1.4.2.7 2.1.2	
	Rig for rescue	6.2.8	2.11.11 Emergency procedures	
	Rig releasable	6.2.8.2 6.4.12	2.11.3.1.13	
First Aid and Suspension Intolerance	First aid requirement	3.1.3 4.12	Annex G – Suspension intolerance 1.4.3.8	
	Symptoms of suspension intolerance	6.2.9 6.8.3.2	2.5.2 Annex G – Suspension intolerance	

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Equipment	Equipment inspection and traceability	7.7.22, 7.7.24 9.7.3 6.3.4.2.2, 6.3.5.1	Annex H – Equipment inspection checklist Annex I – List of information to be recorded following a detailed inspection of rope access equipment 2.8 2.9	
	Pre-use checks	6.3.5.2	2.11.7	
	Quarantine	6.3.4.2	2.10.8	
	Loading of equipment	6.6.4.2.2, 6.4.12.2.2 6.5.1.2.2 6.8.1.1.2	2.7 2.11, 2.11.2.5	
	Equipment selection	6.3	2.7	
	Withdrawal from service	6.3	2.6.2.5 – (h)	
	Mechanical advantage	6.5.3.2.4, 6.5.3.2.6		
	Knot selection and identification	6.4.3	2.11.5	