



TECHNICAL ACCESS SKILLS COMMUNITY

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TRAINING & ASSESSMENT CURRICULUM

TA-standard code:	Training & Assessment standard title:		Notional	TA Level:
TA-99	Advanced Fall Arrest Rescue		50	3
Revision:	Implementation Start Date:	Scheduled Review Period:	Next Revision Implementation Date:	
Rev 1	2023/07/01	2025/01 - 2025/06	2025/07/01	

PURPOSE OF THE TRAINING & ASSESSMENT STANDARD:

To establish training and assessment goals in the basic understanding and practical application of fall protection using a range of fall prevention and fall arrest and basic rescue equipment and techniques.

TARGET GROUP:

Persons who need to gain access to elevated positions using permanent or temporary structures that are suitable for physical access/climbing. Supervise basic fall arrest tasks and perform a basic fall arrest rescue (lowering).

ENTRY REQUIREMENTS:

- * **Medical Fitness:** Occupational Health Clearance not older than 1 year
- * **Literacy:** Basic reading and writing skills or access to an interpreter.
- * **Numeracy:** Basic understanding of numbers, counting, addition & subtraction, multiplication, division or access to an interpreter.
- * **TA-9895:** Candidates attempting TA 99 need to have completed the TA-9895 syllabus. TA-9895 outcomes are applied and assessed as underlying principles of understanding and safety during advanced fall arrest rescue (TA-99).

TRAINING AND ASSESSMENT OUTCOMES

TA-Outcome 1: Fall Prevention, Fall Arrest and basic rescue equipment

Theory 1:

98 T-1.1:	Identify appropriate Fall Prevention, Fall Arrest and rescue equipment.
98 T-1.2:	Equipment limitations in terms of safe working load and breaking strain.
98 T-1.3:	Permanent vs temporary equipment strategies.
98 T-1.4:	Equipment inspection strategies.

Practical 1:

98 P-1.1	Perform a pre-use inspection on fall protection equipment.
98 P-1.2	Assemble and fit personal fall protection equipment.
9895 P-1.3	Assemble rescue equipment according to intended rescue technique requirements.

TA-Outcome 2: Anchoring and System Configuration

Theory2:

98 T-2.1:	Identify appropriate anchor points.
98 T-2.2:	Understand the difference between "designed anchor points" & "suitable structural elements" as anchor points.
98 T-2.3:	Anchor point limitations in terms of safe working load, breaking strain and application.
9895 T-2.4:	Identification of appropriate knots and its uses: Range Figure 8 stopper; Figure 8 on a bite; Double Figure 8.
9895 T-2.5:	Basic understanding of safe angles and limitations of vertical life lines.
9895 T-2.6:	Basic understanding of safe angles and limitations of horizontal life lines.
99 T-2.7:	Double rope rescue systems.
99 T-2.8:	The effect of angles in rope systems on anchors.
99 T-2.9:	1:1 ; 1:2 and 1:3 Mechanical advantage systems. The effect of mechanical advantage systems on anchors.

Practical 2:

98 P-2.1:	Maintain safe attachment to suitable anchor points during access to elevated positions.
9895 P-2.2:	Install a temporary vertical life-line according to safe practices.
9895 P-2.3:	Install a temporary horizontal life-line according safe practices.
9895 P-2.4:	Install a temporary horizontal life-line according safe practices.
99 P-2.5:	Install double rope systems for technical access and to perform pick-off rescues.
99 P-2.6:	Install double rope rescue systems to transport a casualty at height: Range: Horizontal cable-way/tensioned lines system; Diagonal cable-way/tensioned lines system; Cross haul systems.

TA-Outcome 3: Safe use of Fall Protection Systems

Theory 3:

98 T-3.1:	Shockload.
98 T-3.2:	Fall Factors.
98 T-3.3:	Limited free space.
98 T-3.4:	Safety principles of vertical lifelines.
98 T-3.5:	Safety principles of retractable lanyards.
98 T-3.6:	Safety principles of horizontal lifelines.
98 T-3.7:	Difference between vertical and horizontal lifelines.
98 T-3.8:	Klemheist knot: Reasons for its use and limitations.
9895 T-3.9:	Basic understanding of risk assessments, fall protection planning and its implementation.

Practical3 :

98 P-3.1:	Climb an appropriate structure with shock absorbing lanyards.
98 P-3.2:	Establish a safe work position that allow free use of hands in an elevated position.
98 P-3.3:	Fit a fall arrest device to a pre-installed vertical life line and safely climb up and down on it.
98 P-3.4:	Attach to a retractable lanyard and safely climb up and down on it.
98 P-3.5:	Attach to a horizontal lifeline and traverse it according to safe procedures.
98 P-3.6:	Safely transition between different fall protection systems.
98 P-3.7:	Appropriate use of a klemheist knot during climbing.

TA-Outcome 4: Emergency and Rescue

Theory 4:

98 T-4.1:	Basic awareness of potentially fatal conditions related to suspension in a harness.
98 T-4.2:	Appropriate emergency procedures following a fall incident.

Practical 4:

98 P-4.1:	Practical techniques are applied that help to prevent or minimise the negative effects of being
9895 P-4.2:	Emergency Escape Abseil.
9895 P-4.3:	Basic Fall Arrest rescue of an unconscious casualty suspended in a harness. Lowering to the ground.
99 P-4.4:	Perform Pick-off rescues: Range - Casualty suspended from: shock absorbing lanyard and/or work positioning lanyard; Vertical life-line; Horizontal life-line.
99 P-4.5:	Perform team rescues using double rope transport systems: Range: Horizontal cable-way/tensioned lines system; Diagonal cable-way/tensioned lines system; Cross haul systems.

Training and Assessment Requirements

Facilitator	TA-94 Fall Protection Planning; TA-99 Advanced Fall Arrest Rescue; Appropriate training or relevant experience in facilitation. (Similar "Legacy" or "international" qualifications)
Assessor	TA-94 Fall Protection Planning; TA-99 Advanced Fall Arrest Rescue; Appropriate training or relevant experience in assessment. (Similar "Legacy" or "international" qualifications)
Quality Assurance (Moderator)	TA-94 Fall Protection Planning; TA-99 Advanced Fall Arrest Rescue; Appropriate training or relevant experience in assessment & moderation. (Similar "Legacy" or "international" qualifications)
Venue	OHS compliant facility: Appropriate room for theory. Appropriate Ablution facilities. Structure higher than 3 meter and appropriate for climbing using fall protection equipment and systems.

These Assessment outcomes are satisfied by the completion of the **Legacy Unit Standard**

Unit Standard:	Unit Standard title:		Credits	Level:
229999	Perform a range of advanced fall arrest rescues		4	4
Registration start date	Registration End Date:	Last date for enrolment	Last date for	
2018/07/01	2023/06/30	2024/06/30	2027/06/30	