



OPUS INDUSTRIAL SERVICES LIMITED

Course Syllabus: Rope Access Technician – IRATA level 1

- Intended for:** Entry level course covering a wide range of working locations. Recommended for candidates who wish to enter the industry as rope access workers.
- Introduction:** Characteristics of a safe system of work, including equipment, legal requirements, objective hazards, risk assessment and method statements, conformity and certification, inspection, emergency considerations and rescue procedures.
- Basic principles of movement on ropes – ascent, descent, changing from ascent to descent, changing from rope to rope, crossing a knot, aid climbing and transversing, passing re-belays and deviations, use of a back-up system, elementary rigging and rope management, elementary rescue.

CONTENT

- Knowledge:** Legislation, guidelines and standards
Awareness of risk assessment and safety method statement, permit to work systems, exclusion zones, working practices and worksite organisation.
- Categories of personal protective equipment (PPE)
Selection, use and maintenance of equipment, equipment checks and inspection
Hazardous substances
IRATA syllabus and certification scheme, logbooks.
- Anchor types and systems, angle loading
Awareness of fall factors, hauling systems, suspension trauma and casualty management
- Practical Skills:** Assembly, fitting and checking of personal equipment, use of the backup device.
Rigging skills, including tying, dressing and setting of appropriate knots.
- Manoeuvres: descent, ascent, changeovers, descent using ascenders, ascent using a descender passing knots, passing knots, passing deviations, passing, passing a re-belay, rope to rope transfer, passing an edge or obstruction at the top, the use of a work seat (comfort seat), passing mid-rope protection.
- Climbing with cow's tails and fall arrest lanyards.
- Rescue in descent and an awareness of basic hauling and lowering.
- Entry Requirements:** Minimum age of 18 years
Candidates should be free from and disability or medical condition that may prevent them from working safely.
- Assessment Method:** Carried out by an IRATA approved assessor.
- Course Duration:** 5 Days
Candidate Ratio: 1:6 (MAX)
- Revalidation Period:** Certification valid for 3 years.