

TEC 45 TRAINING DIVE 2

Key Standards

Environment: Conducted in open water

Minimum Depth: 12 metres/40 feet

Maximum Depth: 18 metres/60 feet

Decompression: No decompression dive that simulates a decompression dive

Ratio: 4:1, 6:1 with one or more certified assistants

Skills

To successfully complete this training dive, students must be able to:

- 1) Working in a team, plan a simulated decompression dive with a gas switch for added conservatism based on information (simulated depth, bottom time, gases etc) provided by the instructor.
- 2) Working in a team, assemble and inspect the standardized technical diving rig (or sidemount) including a stage/deco cylinder following the previously rigging philosophies and to meet individual/environmental needs.
- 3) Independently don and remove a stage/deco cylinder at the surface in water in which it is too deep to stand.
- 4) As part of a team, conduct a bubble check at the surface or just below the surface.
- 5) As part of a team, conduct a descent check on the bottom.
- 6) Underwater, properly stage a stage/deco cylinder for later retrieval and use.
- 7) Perform the gas shutdown drill within 60 seconds (40 in sidemount)
- 8) Swim not less than 18 metres/60 feet with no mask on while sharing gas via long hose as the receiver.
- 9) Respond properly to impromptu emergency drills based on previously learned skills presented by the instructor.
- 10) Underwater, retrieve and don a stage/deco cylinder.
- 11) As part of a team, deploy a lift bag/DSMB and ascend along its line conducting a simulated decompression while neutrally buoyant.
- 12) As part of a team while maintaining stop depth during a simulated decompression (plus or minus 1 metre/3 feet) perform a NO TOX gas switch at the first stop at which the gas is breathable (simulated)
- 13) After an interval breathing from a deco cylinder designated by the instructor, or at 20 minutes (whichever is less) during a simulated decompression, conduct an air

break, then NO TOX switch back to the deco cylinder and complete the decompression.

- 14) While neutrally buoyant at a simulated decompression stop, perform the gas shutdown drill while maintaining depth within 1 metre/3 feet of the stop depth.
- 15) Demonstrate gas/time/depth awareness throughout the dive by a) signaling the instructor and team mates upon reaching the agreed turn point of technical dive plan (not actual dive plan) and b) writing the depth, time and SPG reading at each 12 minutes throughout the dive.