

TEC 40 TRAINING DIVE 1

Key Standards

Environment: Confined water or limited open water with ready access to water shallow enough in which to stand

Minimum Depth: 2.5 metres/8 feet

Maximum Depth: 10 metres/30 feet

Decompression: No stop only

Gases: Air, EANx up to EANx50

Ratios: 6:1, 8:1 with one or more certified assistants

Skills

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

1. Assemble and inspect the basic technical diving rig.
2. Demonstrate the proper weight required for the dive.
3. Demonstrate neutral buoyancy while wearing the basic technical dive rig by hovering for 1 minute without sculling or kicking.
4. Within 30 seconds, independently close the cylinder valve to a regulator that is experiencing a simulated free flow.
5. Assist a team mate by closing the correct valve to a regulator that is experiencing a simulated free flow.
6. Within 30 seconds, independently close the isolator valve in response to a simulated manifold leak.
7. Respond to a simulated out of gas emergency by signaling a team mate., switching to the team mate's long hose second stage, then swimming 30 metres/100 feet using the long hose regulator and maintaining contact with the team mate.
8. Respond to a team mate's simulated out of gas emergency by, on signal, proving the team mate with the long hose second stage, switching to the short hose secondary, then swimming 30 metres/100 feet as the team mate uses the long hose regulator, maintaining contact.
9. Working in a team, perform a bubble check, descent check and S-drill.
10. Independently don, remove and re-don a stage/deco cylinder on the bottom.
11. Perform gas switches to a stage/deco cylinder correctly following the NO TOX procedure.

12. Shut down both manifold valves and the isolator valve, and switch second stages to maintain a breathing supply, beginning with any valve chosen by the instructor, within 60 seconds (or within 40 seconds if there is no isolator valve).
13. Deploy a lift bag or DSMB from the bottom in water too deep in which to stand.
14. Swim at a steady pace at a constant depth for sufficient time to determine the SAC rate.
15. Using only neutral buoyancy, maintain a simulated decompression stop for eight minutes.
16. Remove and replace stage/Deco cylinder at the surface in water too deep in which to stand.