

Tec 40 TRAINING DIVE 2

Key Standards

Environment: Open water
Minimum Depth: 10 metres/30 feet
Maximum Depth: 18 metres/60 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. Working in a team, plan the dive following the A Good Diver's Main Objective Is To Live procedure, and perform pre-dive checks following the Being Wary Reduces All Failures procedure.
2. Independently don and remove a single deco cylinder at the surface.
3. Descend along a line to the bottom, maintaining control of depth and descent speed by adjusting buoyancy.
4. Working as a team, perform appropriate bubble checks and descent checks.
5. While continuously swimming, independently stage a deco cylinder, swim at least 10 metres/30 feet from it, return to it, and don it.
6. Swim at least two minutes and a distance of 18 metres/60 feet sharing gas with the long hose as both the donor and the receiver.
7. Perform the gas shutdown drill within 60 seconds (40 seconds if not wearing isolator doubles).
8. Perform a working rate SAC swim by swimming for approximately five minutes at a level depth, recording the appropriate information for later calculation.
9. Demonstrate time/depth and gas supply awareness by writing the depth and time at each 35 bar/500 psi of back gas consumed.
10. Demonstrate turn pressure and time limit awareness by signaling the instructor upon reaching the turn pressure or time limit the team had planned were this really a decompression dive.
11. As a team, deploy a lift bag/DSMB from the bottom.

12. As a team, simulate a partially failed lift bag/SDMB by deploying a second lift bag/DSMB up the line of the first lift bag.
13. Use primarily proper buoyancy control to ascend along a line at a controlled rate not to exceed 10 metres/30 feet per minute, or slower if specified by a dive computer, to stop at a simulated decompression stop at 5 metres/15 feet, without ascending past it.
14. Record the appropriate information for later calculation of a deco rate SAC by simulating a 10 minute required decompression stop at 5 metres/15 feet.
15. While neutrally buoyant at a simulated decompression stop, with a team mate, NO TOX gas switch to decompression cylinder while maintaining depth within 1 metre/3 feet of the stop depth.
16. Throughout the dive, respond appropriately to simulated emergencies prompted by the instructor.
17. Post dive, use desktop decompression software to determine the oxygen exposure (OTUs and CNS "clock") of the dive as it was actually made.