



Other Delivery Content Hand Outs

Copy the following independent study handouts to give to students.

Tec 40

Other Delivery Content, Tec 40-1

Study assignment: Tec 40 Handout 1

Learning Objectives

By the end of this section, you should be able to answer these questions:

1. How do the Tec 40, Tec 45 and Tec 50 courses fit together as the overall DSAT Tec Diver course?
2. What are the general goals of the Tec 45 and Tec 50 courses?
3. What are the limits of your training as a Tec 40 diver?

G. The DSAT Tec Diver course

1. The Tec 40 course is the first of three subcourses that together make up the DSAT Tec Diver course.
 - a. The DSAT Tec Diver course was originally called the Tec Deep Diver course (hence the *Tec Deep Diver Manual*).
 - b. The three subcourses, in order are the Tec 40, Tec 45 and Tec 50 courses. The names reflect the maximum qualification depth in metres for the respective levels.
 - c. Completing all three qualifies you as a Tec 50 diver (formerly Tec Deep Diver), which is a fully qualified, open circuit entry level EANx deep decompression technical diver.
2. Tec 45 general goals are to train certified Tec 40 divers
 - a. to use full technical equipment.
 - b. to make decompression dives to 45 metres/145 feet using air or enriched air, with accelerated decompression techniques.
 - c. to dive with one decompression gas with up to and including 100 percent oxygen.
3. Tec 50 general goals are to train certified Tec 45 divers
 - a. to make decompression dives to 50 metres/165 feet using air or enriched air, with accelerated decompression techniques.
 - b. to dive with two decompression gases with up to 100 percent oxygen.

- H. Certification as a Tec 40 diver qualifies you to dive within the following limits, applying the appropriate procedures and equipment as you've been trained:
1. Dive to a maximum depth of 40 metres/130 feet using air or enriched air.
 2. Make dives with up to 10 minutes required decompression.
 3. Use enriched air nitrox with up to 50 percent oxygen (EANx50) during decompression to make it more conservative.
 4. Although your certification qualifies you to these limits, you must also consider other limitations, such as the environment, conditions and other factors, and apply more conservative limits when planning dives.
 5. These limits apply, even if you complete the Tec 40 using double cylinders and other equipment required for Tec 45 and above.

Exercise, Other Delivery Content, Tec 40-1

1. The Tec Diver course (choose all that apply)
 - a. consists of three subcourses.
 - b. begins with the Tec 40 subcourse.
 - c. no longer exists.
2. The Tec 50 course qualifies a diver to make dives
 - a. with up to 50 minutes decompression.
 - b. with deco stops as deep as 50 feet/12 metres
 - c. to a depth of 50 metres/165 feet
 - d. to a depth of 50 fathoms (300 feet).
3. As a Tec 40 diver, applying appropriate procedures and equipment as you've been trained, you're qualified to (choose all that apply)
 - a. to dive as deep as 40 metres/130 feet.
 - b. have up to 10 minutes required decompression.
 - c. use a single gas with up to 50 percent oxygen during decompression.

How did you do?

1. a, b. 2. c. 3. a, b, c.