

# IANTD EANX BLENDER



## Advanced EANx Diver



### A. Purpose

1. This Program is designed to extend the diver's knowledge in the use of EANx for Sport diving. It further develops diving skills and provides a greater understanding of the EANx concept of diving.
2. The Program employs EANx mixes from 21% to a maximum of 50% oxygen.

### B. Prerequisites

1. Must be qualified as an IANTD EANx Diver and IANTD Deep Air Diver with proof of a minimum of 15 logged dives; or provide proof of experience as a Deep Air Diver with a minimum of 50 logged dives of which at least 10 dives were between 90 fsw (27 msw) and 130 fsw (39 msw), plus completion of pool / shallow OW skills in the IANTD Deep Air Diver Program, and completion of the IANTD Deep Air Diver written exam with a minimum score of 80%.
2. Must be a minimum of 15 years of age with a parent or guardian authorization, or a minimum of 18 years of age without guardian approval.

### C. Texts

1. IANTD *Advanced EANx Student Manual and Workbook*, or equivalent text(s) approved in writing by the Board of Directors (written approval will be issued by IAND, Inc./IANTD World Headquarters).

### D. Program Content

1. All Lecture and theory material must be completed.
2. This Program must include a minimum of 120 minutes of OW bottom time completed within 4 dives, 2 of which must be to depths between 100 fsw (30 msw) and 130 fsw (39 msw). If combined with a Deep Air Program, the total dive time for both Programs must include a minimum of 160 minutes completed within 6 or more dives. Even if the time and skill requirements are met within fewer than 6 dives, the minimum 6 dives must be made. If combined with a Deep Air Program 4 dives must be made to depths between 100 fsw (30 msw) and 130 fsw (39 msw).
3. Students are taught the use of EANx mixtures from 21% to a maximum of 40% oxygen for diving. EANx mixtures in the range of 41% to a maximum of 50% oxygen are used to teach the fundamentals of safety and decompression stops.

### E. Equipment Requirements

1. A safety or decompression gas cylinder (if used), rigged as either a pony or stage cylinder. Gas cylinders must be oxygen clean and oxygen serviceable where needed.

### F. Program Limits

1. There may be no more than 4 students per Instructor. This ratio may be increased by 2 students for each assisting IANTD Divemaster, up to a maximum of 8 students with 2 IANTD Divemasters per class session.
2. No dives may be conducted to depths greater than 130 fsw (39 msw).
3. All dives must be conducted using EANx (maximum 40% oxygen). A higher EANx (maximum 50% oxygen) may be used at the decompression or safety stops.
4. All appropriate safety or required decompression stops must be performed.
5. Decompression stops are limited to a maximum of 10 minutes and 20 feet (6 meters).

## G. Waterskills Development

1. A confined water session must be completed before conducting any OW dives.
2. Demonstrate proficiency in a variety of dive techniques and employ precision buoyancy control.
3. Swim in a simulated out-of-air situation (without breathing, and exhaling slowly) without a mask for a distance of at least 45 feet (15 meters), and commence gas sharing. While gas sharing, swim for 3 minutes, then replace and clear mask.
4. On an OW dive, demonstrate dive planning abilities, especially for avoiding CNS exposure risk.
5. Perform a gas sharing ascent using the alternate second stage.
6. Perform valve shutdowns on each dive.
7. Deploy lift bag 2 times, using it as an ascent platform.
8. Demonstrate a safe attitude and awareness to the Instructor's satisfaction.
9. Remove and replace tank and BCD at a depth greater than 20 fsw (6 msw).
10. Remove and replace tank and BCD at surface.
11. Demonstrate acceptable navigation / orientation abilities.
12. In an area where a depth is attainable beyond the planned depth, evaluate that the student has the discipline not to exceed the dive plan.
13. Demonstrate accident management / control techniques as described in text.
14. If entering the Program based on previous experience, complete the IANTD Deep Air Diver waterskills.

**Recommended watermanship evaluation, to be completed during the Advanced EANx course (80 points passing).**

### **Skill One (25 points, confined water)**

Swim for a distance of 900 feet (270 meters) underwater in SCUBA gear. Score 25 points if completed in less than 7 minutes, and subtract one point for each additional 30 seconds required to complete the skill.

### **Skill Two (25 points, confined water)**

Swim for a distance of 50 feet (15 meters) in SCUBA gear without breathing, then commence gas sharing and swim for a distance of 250 feet (75 meters) without a mask.

Time (mm:ss)	Points	Time (mm:ss)	Points	Time (mm:ss)	Points
4 minutes or less	25	06:01 to 06:10	19	07:11 to 07:20	11
04:01 to 04:30	24	06:11 to 06:20	18	07:21 to 07:30	09
04:31 to 05:00	23	06:21 to 06:30	17	07:31 to 07:40	07
05:01 to 05:20	22	06:31 to 06:40	16	07:41 to 07:50	05
05:21 to 05:40	21	06:41 to 07:00	15	07:51 to 08:00	03
05:41 to 06:00	20	07:01 to 07:10	13	over 8 minutes	00

### **Skill Three (25 points, confined water)**

Remove SCUBA gear underwater and perform a free ascent to the surface. Take three breaths, perform a surface dive, and don SCUBA gear. Repeat removal and replacement on surface. Score each as follows, then average the two scores for the overall skill score.

Time (mm:ss)	Points	Time (mm:ss)	Points	Time (mm:ss)	Points
2 minutes or less	25	03:31 to 03:45	19	04:41 to 04:50	08
02:01 to 02:20	24	03:46 to 04:00	18	04:51 to 05:00	06
02:21 to 02:40	23	04:01 to 04:10	16	05:01 to 05:30	04
02:41 to 03:00	22	04:11 to 04:20	14	05:31 to 06:00	02
03:01 to 03:15	21	04:21 to 04:30	12	over 6 minutes	00
03:16 to 03:30	20	04:31 to 04:40	10		





**Skill Four (25 points)**

Simulated emergency lift bag ascent from a depth no shallower than 50 feet(15 meters), including a 3 minute safety stop.

Evaluate on skill in deploying lift bag and on maintaining a tight reel and neutral buoyancy during safety stop. Score 25 points if performed correctly, and subtract 3 points for each mistake made, or five points if the student jams the reel or has to repeat the skill.

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