

INTERNATIONAL ASSOCIATION OF NITROX AND TECHNICAL DIVERS



FACILITY & BLENDING STANDARDS MANUAL

VERSION 22.0.0

FACILITY & BLENDING STANDARDS MANUAL

FOR RECREATIONAL DIVING INCLUSIVE OF SPORT AND TECHNICAL DIVING



REVISED: JANUARY 18TH 2019 – UPDATED JANUARY 18TH 2019

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IAND, Inc. dba IANTD wishes to thank all of the members of the BOA both past and present for their contribution to these standards. While some leaders in the diving world have decided to receive the honor of Emeritus BOA member, their contributions are noted fully and their assistance in development of these standards and to diving are very much appreciated and respected

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IANTD FACILITY STANDARDS



The leader in diver education

IANTD PRO Educator

An IANTD PRO Educator is an IANTD Professional Instructor/IT/ITT. The required prerequisites ensure that all PRO Educators offer state of the art IANTD programs from beginning through instructor levels of training and education. Applicants when conducting IANTD training programs will use the required IANTD official training materials for each program. Divers will also be assured of receiving PRO Educator service.

A. PRO Educator – Requirements

1. IANTD certification must be offered;
2. Advertise IANTD courses;
3. IANTD Logo on the website/social media
4. Be an Instructor in good Standing;
5. Purchase 15 Student kits, at any level, per year
6. Approval by IANTD HQ
7. Have access to/or;
 - a. Have an agreement with a Professional Classroom;
 - b. Have an agreement with a Professional Pool.

B. Benefits

1. May have the ability to print certification cards using the IANTD stock cards or they may elect to have HQ print their card via the online system. This may be accomplished either way via the online registration system.
2. Website listing (Alphabetical)
3. PRO Educator Stamp printed on the Instructor and Diver C-card.

C. The Applicant must do the following

1. Agree to the requirements above and complete a Facility Contract.
2. Complete the International Association of Nitrox and Technical Divers Pin ID Form.
3. Complete and submit the International Association of Nitrox and Technical Divers Facility & PRO Educator Application.
4. Read and sign the IANTD Trademark License Agreement
5. Submit the appropriate fee and any other documentation required.

IANTD World Headquarters will review the application and either approve the Applicant for PRO Educator status or issue a notice stating the requirements that must be completed to qualify.

It is a privilege to be awarded the status as an IANTD PRO Educator. IANTD World Headquarters in its sole discretion will approve or disapprove the application for PRO Educator status. Simply meeting all written requirements does not guarantee acceptance into PRO Educator program. Once an applicant is accepted for PRO Educator status, IANTD World Headquarters may at its discretion remove such status for violations of IANTD training standards, violation of the PRO Educator retail or resort operation standards, ethical or criminal violations, or at the discretion of IANTD World Headquarters. No advertising by the Applicant as an IANTD PRO Educator may occur until written approval as a PRO Educator is received from IANTD World Headquarters.

D. Renewal requirements

PRO Educators are required to renew this contract each year no later than January 1. IANTD will send out renewal forms to each PRO Educator prior to the beginning of the year. All PRO Educator renewal forms must be received at IANTD World Headquarters no later than the 15th of January to maintain the PRO Educator status. The PRO Educator must continue to meet all requirements to maintain its PRO Educator status.

If the PRO Educator no longer meets the requirements it may renew as a PRO Educator if it meets those requirements. PRO Educator may not advertise as PRO Educator while its status is no longer valid. All advertisements via web, or other social and other media, in newspapers, yellow pages, etc. must also cease.



IANTD Silver Facility

An IANTD Silver Facility is an IANTD training facility available to IANTD Retailers and Resort Operations. The required prerequisites ensure that all Silver Facilities offer state of the art IANTD programs from beginning through instructor levels of training and education. Applicants when conducting IANTD training programs will use the required IANTD official training materials for each program. Divers will also be assured of receiving Silver Facility service from professional state of the art IANTD retail and resort operation applicants.

A. Silver Facility Requirements

1. Retail Store front
2. IANTD certification must be offered;
3. Advertise IANTD courses;
4. IANTD Logo on the website/social media
5. Purchase 15 Student kits, at any level, per year
6. Approval by IANTD HQ
7. The Silver Facility Applicant agrees to train divers in accordance with the IANTD training Standards and Procedures.

B. Benefits

1. Discount on all orders
2. May have the ability to print certification cards using the IANTD stock cards or they may elect to have HQ print their card via the online system. This may be accomplished either way via the online registration system.
3. Logo on IANTD website
4. Website listing (by Facility Level & alphabetical)
5. Facility Logo on the C-Card.

C. The Applicant must do the following

1. Agree to the requirements above and complete a Facility Contract.
2. Complete the International Association of Nitrox and Technical Divers Pin ID Form.
3. Complete and submit the International Association of Nitrox and Technical Divers Facility & Silver Facility Application.
4. Read and sign the IANTD Trademark License Agreement
5. Submit the appropriate fee and any other documentation required.

IANTD World Headquarters will review the application and either approve the Applicant for Silver Facility status or issue a notice stating the requirements that must be completed to qualify.

It is a privilege to be awarded the status as an IANTD Silver Facility. IANTD World Headquarters in its sole discretion will approve or disapprove the application for Silver Facility status. Simply meeting all written requirements does not guarantee acceptance into Silver Facility program. Once an applicant is accepted for Silver Facility status, IANTD World Headquarters may at its discretion remove such status for violations of IANTD training standards, violation of the Silver Facility retail or resort operation standards, ethical or criminal violations, or at the discretion of IANTD World Headquarters.

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No advertising by the Applicant as an IANTD Silver Facility may occur until written approval as a Silver Facility is received from IANTD World Headquarters.

D. Renewal requirements

Silver Facilities are required to renew this contract each year no later than January 1. IANTD will send out renewal forms to each Silver Facility prior to the beginning of the year. All Silver Facility renewal forms must be received at IANTD World Headquarters no later than the 15th of January to maintain the Silver Facility status. The facility must continue to meet all requirements to maintain its Silver Facility status. If the Silver Facility no longer meets the requirements it may renew as a Silver facility if it meets those requirements. Silver Facility may not advertise as Silver Facility while its status is no longer valid. All advertisements via web, or other social and other media, in newspapers, yellow pages, etc. must also cease.



IANTD Platinum Facility

An IANTD Platinum Facility is an IANTD training facility available to IANTD Retailers and Resort Operations. The required prerequisites ensure that all Platinum Facilities offer state of the art IANTD programs from beginning through instructor levels of training and education. Applicants when conducting IANTD training programs will use the required IANTD official training materials for each program. Divers will also be assured of receiving Platinum Facility service from professional state of the art IANTD retail and resort operation applicants.

A. Platinum Facility Requirements

1. Retail store front
2. IANTD is the primary certification offered;
3. Advertise IANTD courses;
4. IANTD Logo on the website/social media
5. IANTD Facility Decal or Flag visible in the store
6. IANTD Instructor on staff or a contractor Instructor
7. Gas fills (Air, EANx and/or Trimix & Oxygen)
8. Offer equipment Sales
9. Offer rental equipment
10. Have an IANTD IT on staff or a contractor IT
 - a. Offer at least one Instructor development program or instructor crossover program annually
11. Purchase 50 Student kits, at any level, per year
12. Approval by IANTD HQ
13. The Platinum Facility Applicant agrees to train divers in accordance with the IANTD training Standards and Procedures.

B. Benefits

1. Discount on all orders
2. May have the ability to print certification cards using the IANTD stock cards or they may elect to have HQ print their card via the online system. This may be accomplished either way via the online registration system.
3. Logo on IANTD website
4. Website listing (by Facility Level & alphabetical)
5. Facility Logo on the C-Card
6. Banner Ad on the IANTD Facility Web Page.



C. The Applicant must do the following

1. Agree to the requirements above and complete a Facility Contract.
2. Complete the International Association of Nitrox and Technical Divers Facility Pin ID Form.
3. Complete and submit the International Association of Nitrox and Technical Divers Facility & PRO Educator Application.
4. Read and sign the IANTD Trademark License Agreement
5. Submit the appropriate fee and any other documentation required.

IANTD World Headquarters will review the application and either approve the Applicant for Platinum Facility status or issue a notice stating the requirements that must be completed to qualify.

It is a privilege to be awarded the status as an IANTD Platinum Facility. IANTD World Headquarters in its sole discretion will approve or disapprove the application for Platinum Facility status. Simply meeting all written requirements does not guarantee acceptance into Platinum Facility program. Once an applicant is accepted for Platinum Facility status, IANTD World Headquarters may at its discretion remove such status for violations of IANTD training standards, violation of the Platinum Facility retail or resort operation standards, ethical or criminal violations, or at the discretion of IANTD World Headquarters.

No advertising by the Applicant as an IANTD Platinum Facility may occur until written approval as a Platinum Facility is received from IANTD World Headquarters.

D. Renewal requirements

Platinum Facilities are required to renew this contract each year no later than January 1. IANTD will send out renewal forms to each Platinum Facility prior to the beginning of the year. All Platinum Facility renewal forms must be received at IANTD World Headquarters no later than the 15th of January to maintain the Platinum Facility status. The facility must continue to meet all requirements to maintain its Platinum Facility status.

If the Platinum Facility no longer meets the requirements it may renew as a Silver facility if it meets those requirements. Platinum Facility may not advertise as Platinum Facility while its status is no longer valid. All advertisements via web, or other social and other media, in newspapers, yellow pages, etc. must also cease.



IANTD Diamond Facility

An IANTD Diamond Facility is an IANTD training facility available to IANTD Retailers and Resort Operations. The required prerequisites ensure that all Diamond Facilities offer state of the art IANTD programs from beginning through instructor levels of training and education. Applicants when conducting IANTD training programs will use the required IANTD official training materials for each program. Divers will also be assured of receiving Diamond Facility service from professional state of the art IANTD retail and resort operation applicants.

A. Diamond Facility Requirements

1. Retail store front
2. Advertise and Promote only IANTD courses
3. Advertise IANTD courses;
4. IANTD Logo on the website/social media
5. IANTD Facility Decal or Flag visible in the store
6. All instructional staff must hold an IANTD Instructor Rating
7. Gas fills (Air, EANx and/or Trimix & Oxygen)
8. Offer equipment Sales
9. Offer rental equipment
10. Have an IANTD IT on staff or a contractor IT
 - a. Offer at least 2 Instructor development program or instructor crossover program annually
11. Purchase 100 Student kits, at any level, per year
12. Approval by IANTD HQ
13. The Applicant shall submit a renewal to this contract on a yearly basis to IANTD
14. The Platinum Facility Applicant agrees to train divers in accordance with the IANTD training Standards and Procedures.

B. Benefits

1. Discount on all orders
2. May have the ability to print certification cards using the IANTD stock cards or they may elect to have HQ print their card via the online system. This may be accomplished either way via the online registration system.
3. Logo on IANTD website
4. Website listing (by Facility Level & alphabetical)
5. Facility Logo on the C-Card
6. Course Calendar on IANTD website facility listing
7. Priority listing on IANTD website (by Facility Level & alphabetical)
8. Large Banner ad on IANTD Home Page
9. Large Banner ad on IANTD Home Page for Events or special programs.

C. The Applicant must do the following

1. Agree to the requirements above and complete a Facility Contract.
2. Complete the International Association of Nitrox and Technical Divers Facility Pin ID Form.
3. Complete and submit the International Association of Nitrox and Technical Divers Facility & PRO Educator Application.
4. Read and sign the IANTD Trademark License Agreement
5. Submit the appropriate fee and any other documentation required.

IANTD World Headquarters will review the application and either approve the Applicant for Diamond Facility status or issue a notice stating the requirements that must be completed to qualify.

It is a privilege to be awarded the status as an IANTD Diamond Facility. IANTD World Headquarters in its sole discretion will approve or disapprove the application for Diamond Facility status. Simply meeting all written requirements does not guarantee acceptance into Diamond Facility program. Once an applicant is accepted for Diamond Facility status, IANTD World Headquarters may at its discretion remove such status for violations of IANTD training standards, violation of the Diamond Facility retail or resort operation standards, ethical or criminal violations, or at the discretion of IANTD World Headquarters.

No advertising by the Applicant as an IANTD Diamond Facility may occur until written approval as a Diamond Facility is received from IANTD World Headquarters from IANTD World Headquarters.

D. Renewal requirements

Diamond Facilities are required to renew this contract each year no later than January 1. IANTD will send out renewal forms to each Diamond Facility prior to the beginning of the year. All Diamond Facility renewal forms must be received at IANTD World Headquarters no later than the 15th of January to maintain the Diamond Facility status. The facility must continue to meet all requirements to maintain its Diamond Facility status.

If the Diamond Facility no longer meets the requirements it may renew as a Diamond facility if it meets those requirements. Diamond Facility may not advertise as Diamond Facility while its status is no longer valid. All advertisements via web, or other social and other media, in newspapers, yellow pages, etc. must also cease.





IANTD BLENDING STANDARDS



Narcosis

EAD

70D

The leader in diver education

Best Mix

IANTD BLENDING STANDARDS

- ▶ *The Standards contained in this section are based on federal regulations as specified by OSHA, NOAA, USN, USCG, CGA. All equipment used for air, EANx or Trimix must be used per the guidelines of the individual manufacturers of the equipment used by the diver. As a training agency, IANTD defers to the manufacturer's guidelines.*
- ▶ *Cylinders should not be filled if they do not comply with the following IANTD Standards*

A. Gas Quality For Preparation Of Breathing Gases Other Than Air

1. Air to be used in blending of gas mixtures other than air, will meet US CGA Standards Grade E or better.
2. The air may be produced by oil-lubricated, oil-less, or oil-free compressors. All air systems must have proper filtration to meet the specifications in item #1 (above).
3. Verification of gas analysis and gas composition is required quarterly by an appropriate facility.

B. Equipment Specifications

1. Cylinders being filled with a gas mixture (EANx or Trimix) from a pre-mixed bank (i.e., gas storage system) must use oxygen-compatible lubricants.
 - a. If, at any stage of the mixing process, the oxygen content will exceed 40% of the cylinder capacity, the cylinder must be Oxygen Service Rated.
 - b. IANTD recommends (does not require), as good preventive maintenance, that all cylinders be cleaned annually, regardless of intended use; whether it be for air, EANx, Trimix or oxygen.
2. Cylinders used in direct partial pressure blending (i.e., in-cylinder mixing) must be Oxygen Service Rated.
3. Regulators and all other equipment exposed to pressures of 200 psig (14 bar) or more must use oxygen-compatible lubricants. If the equipment is used in an environment where oxygen content will be greater than 40%, it must be Oxygen Service Rated.
4. Scuba equipment used with mixed gas should be used in accordance with the manufacturer's recommendations. If the manufacturer states that its equipment is incompatible with gases other than air, then that equipment should not be used. If a manufacturer requires its equipment to be modified for use with gases other than air, then the appropriate modifications must be made prior to the equipment being used for mixed gas diving.

C. Labeling EANx Mixtures With 40% Oxygen or less

1. Cylinders, other than air, must be labeled with a Nitrox Label, FO₂ content and VIP stickers or other stickers such as may be required by local laws and regulations. At a minimum, the labels must clearly identify the MOD and oxygen content of the mixture. It is recommended that IANTD labels be used to meet this requirement, in addition to those required by law.

D. Labeling EANx and Decompression Cylinders with greater Than 40% Oxygen.

1. Cylinders containing EAN 40 or greater must have either a label boldly stating, "Decompression Mix EAN* ____." or "Breathing Gases Other Than Air".
2. Cylinders must be labeled with a FO₂ content and VIP stickers or other stickers such as may be required by local laws and regulations. At a minimum, the labels must clearly identify the MOD

and oxygen content of the mixture. It is recommended that IANTD labels be used to meet this requirement, in addition to those required by law.

E. Labeling Oxygen Cylinders

1. Cylinders containing oxygen must be labeled as oxygen.
2. Cylinders must be labeled with a FO₂ content and VIP stickers or other stickers such as may be required by local laws and regulations. At a minimum, the labels must clearly identify the MOD and oxygen content of the mixture. It is recommended that IANTD labels be used to meet this requirement, in addition to those required by law.

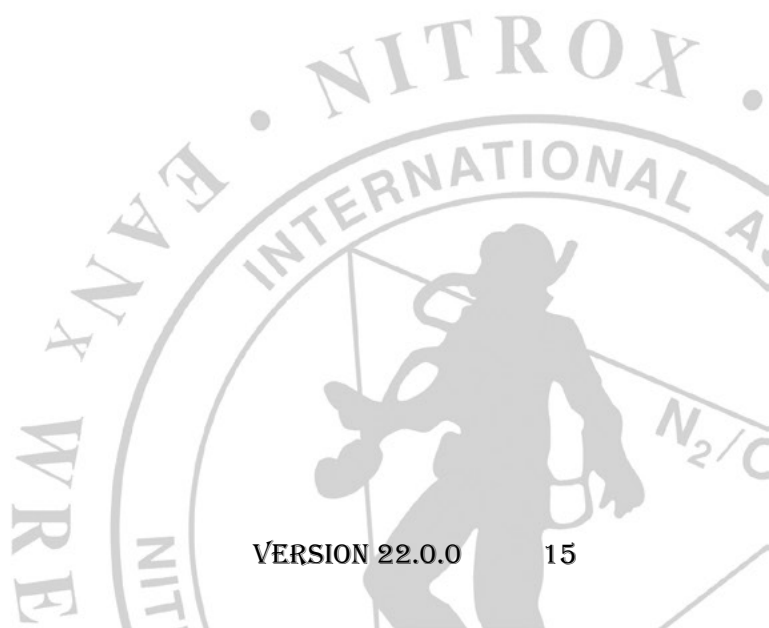
F. Labeling Trimix Cylinders

1. Cylinders containing Trimix must be labeled with the word, “Trimix”, or “Breathing gas other than air”. A Cylinder Contents Label or tape reflecting the percentages of Oxygen, Helium and MOD must be affixed to the cylinder.
2. Cylinders must be labeled with VIP stickers or other stickers such as may be required by local laws and regulations. At a minimum, the labels must clearly identify the MOD, Oxygen and Helium content of the mixture. It is recommended that IANTD labels be used to meet this requirement, in addition to those required by law.

G. Blending logbook

1. For all breathing gas other than air, cylinders must be analyzed and a facility blending logbook must be maintained which includes:
 - a. Cylinder serial No.;
 - b. Owner name;
 - c. Analysis;
 - d. Date.

► *It's recommended that all fills be analyzed and logged.*





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