

ANDI International

Certification Ratings, Descriptions and Limitations

November 16, 2008

Mission Statement January 2007

Slogan : ANDInternational – Dive The Future®

ANDI will be a committed global champion in all aspects of recreational and technical diving, dedicated to ...
the health and well-being of divers, through innovative and educationally valid programs, adventurous techniques, inspired solutions, and optimal breathing gas selection and purity, that encourage safe participation by all with minimal risk and the preservation of the aquatic environment for future generations.

ANDI will continue to shape and lead the markets in which we choose to compete by ...

expanding our international presence through regional offices that encourage cultural diversity, local support and equal opportunity

building a unique and expanding portfolio of diving-related products, knowledge and skills

earning the loyalty of our customers through long-lasting beneficial relationships

consistently meeting or exceeding our commitments

continuously striving to further elevate our image as “the diving company that informed divers use”

outperforming competitors in quality, innovation, and value.

*We will be known for our high standards, integrity, reliability and the entrepreneurial growth opportunities we create within a participatory culture, so that members, staff and divers may fulfill their highest potential, and be rewarded for their affiliation with **ANDI** and its core values.*








General Provisions

ANDI training programs are categorized by **subject matter, rating and level**. Certification on any subject will be further defined by rating and level.

- ***The subject matter*** refers to the course or specialty in question. For example, Openwater, SafeAir, Technical or Dive Medic are subjects.
- ***Rating*** refers to the type of certification.
 - User ratings** are for those who have completed courses of study for themselves personally.
 - Divemaster ratings** are for those who supervise Users of particular subjects.
 - Instructor ratings** may teach non-users to become users on specific subjects
 - Instructor Trainer** ratings may train Instructors on specific subjects.
- ***Level*** refers to the degree of training and experience they have amassed. The rating levels only pertain to diver related courses. Non-diving courses have no designated Level.

Level I	Entry level, no previous experience required. Considered entry level, introductory or recreational.
Level II	Advanced Recreational
Level III	First Technical Level. Decompression theory and practical application is a required aspect.
Level IV	Advanced Technical. More experience and equipment utilized.
Level V	Deeper and or longer diving utilizing other mixtures of gases than Oxygen and Nitrogen (i.e. Helium).

Color Coding of Certification Cards. The background color of the cards are coded to reflect the level or status of the diver.

Blue: Openwater Level Ratings	
Green: Recreational SafeAir Ratings	
Orange: Technical SafeAir Ratings	
Yellow: Non-Diving & Technician Ratings	
Silver w/colored Border: Instructor Ratings	
Gold: Instructor Trainer Ratings	
Red: Dive Medic Series	

Open Water

Introductory Scuba Experience - ISE
ANDI Surface Diver - ASD
Confined Environment Diver - CED
Junior Sport Diver - (L1) JSD
Open Water Sport Diver - (L1) OWD
Ocean Scuba Diver-L2 OSD
Ocean Diver - (L2) OCD
Ocean Adventurer - (L2) OCA
Advanced Open Water Diver - (L2) AOW
Ocean Explorer - (L2) OCE
Expert Scuba Diver - (L2) ESD
Ocean Expert Explorer - (L2) OEE
Rescue Diver - (L2) RSD
Openwater Divemaster - (L2) CDM
Assistant Instructor - (L2) ASI
Open Water Instructor - (L1&2) OWI
Advanced Openwater Instructor - AOWI
Master Instructor - (L2) MSI

SafeAir

Limited SafeAir User - (L1) LSU
Complete SafeAir User - (L2) CSU
SafeAir Instructor - (L1 & 2) LSI & CSI
SafeAir Wreck Diver - (L2) SWD
Altitude Diver Specialty - (L2) ALD
Specialty Instructor - (L2)
SafeAir Divemaster - (L2) SDM
Cavern Diver - (L2) CVN
Cavern Diver Instructor - (L2) CVI

Technical

Technical SafeAir Diver - (L3) TSD
Technical Tri-Mix Diver - (L3) TTM
Solo Diver - (L3) SLD
Technical Wreck Diver - (L3) TWD
Technical SafeAir Instructor - (L3) TSI
Technical Instructor (Specialty) - (L3)
Technical Divemaster - (L3) TDM
Cave Diver (L3) CAV
Cave Diver Instructor - (L3) CAI

Exploration

Extended Range Diver - (L4) ERD
Extended Range Instructor - (L4) ERI
Intermediate Tri-Mix Diver - (L5) ITM
Tri-Mix Diver - (L5) TMD
Exploration Divemaster - (L4 & 5) EDM
Tri-Mix Instructor - (L5) TMI
Cave Explorer - (L4) CVX
Cave Explorer Instructor - (L4) CXI
Cave Explorer - (L5) CVX
Cave Explorer Instructor - (L5) CXI

*Rebreather**

Rebreather Intro - (L1) ICC
Rebreather Diver - (L2) CCR
Rebreather Diver - (L2) SCR
Technical Rebreather Diver - (L3) TRD
Rebreather Explorer - (L5) ERE
Rebreather Instructor - (L1&2) RBI
Technical Rebreather Instructor - (L3) TRI
Exploration Rebreather Inst. - (L5) XRI

Dive Medic

Oxygen Administration Provider - OXP
Oxygen Administration Instructor - OXI
CPR Provider - CPR
CPR Instructor - CPI
First Aid Provider - FAP
First Responder - FRS
Dive Medic - DMD
Dive Medic Instructor - DMI

Specialty

Dry Suit Diver - DSD
Dry Suit Instructor - DSI
Diver Propulsion Vehicle - DPV
Night Diver - NGT
Boat Diver - BOT
Deeper Water Diver - DWD
Navigation Diver - NAV
Specialty Instructor - (L1-2) SPI

* (Specify the specific equipment system)

Technician

Gas Blender - CGB
Advanced Gas Blender - AGB
Gas Blender Instructor - GBI
Breathing Gas Dispenser Tech - BDT
Breathing Gas Maintenance Tech - BMT
SafeAir Service Technician - CST
Service Technician Instructor - STI
Eddy Current Tech - ECT
Cylinder Inspection Technician - CIT
Apprentice Service Technician - AST
Professional Service Technician - PST
Senior Service Technician - SST
Master Service Technician - MST

*Hyperbarics **

Hyperbaric Chamber Awareness - HCA
Hyperbaric Chamber Tender - HCT
Hyperbaric Chamber Operator - HCO
Certified Hyperbaric Technician - CHT
Hyperbaric Chamber Operator Instructor - HCI

Instructor Trainers

Open Water Instructor Trainer - L2
SafeAir Instructor Trainer - L2
Technical Instructor Trainer - Level 3
Technical Instructor Trainer - Level 4
Technical Instructor Trainer - Level 5
Cave Instructor Trainer - Level 3
Cave Instructor Trainer - Level 4
Cave Instructor Trainer - Level 5
Service Tech Instructor Trainer
Gas Blender Instructor Trainer
Oxygen Administration Instructor Trainer
CPR Instructor Trainer
First Aid Instructor Trainer
Dive Medic Instructor Trainer
Rebreather Instructor Trainer* - L2
Rebreather Instructor Trainer* - L3
Rebreather Instructor Trainer* - L5
Technical Wreck Instructor Trainer - L3
Solo Diver Instructor Trainer - L3
Cavern Diver Instructor Trainer - L2

Openwater Programs

Code	Level	Title	Certification Limitations	Course Description
ASD	N/A	ANDI Surface Diver	This program and certification is limited to surface activities in a pool only where the participant is supported by positive buoyancy at all times and supervised directly by a parent or ASI. Complete submersion is not permitted	<p><i>ANDI Surface Diver - (ASD)</i>, The ANDI Surface Diver training program will provide a very basic skill set in surface support techniques for those younger enthusiasts who are not eligible for submerged activities. The intention for this program is to allow the younger family member to be able to participate with other family members in the pool environment while on snorkel or surface SCUBA.</p> <p><i>Pre-requisite:</i> 4+ years old. None other than parental supervision and their participation is strongly recommended.</p>
CED	N/A	Confined Environment Diver	Completed training in all confined environment skills and limited theory to permit diving with a parent, Assistant Instructor or OW Instructor buddy in Confined OW or Confined Environment to a depth of 6m (20fsw).	<p><i>Confined Environment Diver - (CED)</i>, This is an introductory program provided for the younger student to introduce and excite about diving. Skills and theory are simple and basic. No diving outside of a pool or “pool like” conditions & depth are allowed at any time. Direct supervision is required by an Assistant instructor, parent or OWD certified buddy.</p> <p><i>Pre-requisite:</i> 8+ years old. None other than parental supervision and their participation as a buddy is strongly recommended.</p>
ISE	N/A	Introductory Scuba Experience	Completed an introductory experience on SCUBA	<p><i>Introductory Scuba Experience - (ISE)</i>, This is an introductory program provided for interested parties to “try SCUBA.” It consists of a basic orientation to equipment and basic skills with practice in confined water. For those capable enough it may be followed by an Openwater experience to a depth no greater than 12 meters under ideal conditions. Direct supervision is required by an OWI.</p> <p><i>Pre-requisite:</i> 12+ years old.</p>

OWD	1	Openwater Diver	Certified to dive in similar conditions to the training locale during No-Stop-Req'd Air dives, using two cylinders (one main plus the RBS) with depths limited to 30m (100fsw). Additional training and experience is required to expand these limitations	<p><i>Openwater Diver - (OWD), Text : Openwater Sport Diver by Ed Betts</i></p> <p>This is an entry level, diver training program designed to provide all of the basic information and skills required for the beginning openwater SCUBA Diver. Emphasis is placed on creating a safe, comfortable and confident diver with special skills and tools that permit certification to 30m. While other organizations have chosen not to incorporate use of Redundant Breathing Systems, the ANDI OWD program requires that all divers in training utilize this tool for safer diving.</p> <p><i>Pre-requisite:</i> None other than they must be physically fit enough with no medical contraindications. Some locales may require a diving medical physical.</p>
JSD	1	Junior Sport Diver	Certified to dive w. instructor, parent/legal guardian or family member of 18+ yrs. in similar conditions to the training locale during No-Stop-Required Air dives, using two cylinders (one main plus the RBS) with depths limited to 18m (57 fsw).	<p><i>Junior Openwater Sport Diver - (JSD), Text : Openwater Sport Diver by Ed Betts</i></p> <p>This is an entry level, diver training program designed to provide all of the basic information and skills required for the beginning openwater SCUBA Diver between the ages of 12 & 16. Emphasis is placed on creating a safe, comfortable and confident diver with special skills and tools including the use of Redundant Breathing Systems.</p> <p><i>Pre-requisite:</i> Age 12 - 16 yrs. with none other than they must be physically fit enough with no medical contraindications. Some locales may require a diving medical physical.</p>
JOS	1	Junior Ocean Scuba Diver	Certified to dive w. instructor, parent/legal guardian or family member of 18+ yrs. in similar conditions to the Ocean / Sea training locale during No-Stop-Required Air dives, using two cylinders (one main plus the RBS) with depths limited to 18m (57 fsw).	<p><i>Junior Openwater Sport Diver - (JSD), Text : Openwater Sport Diver by Ed Betts</i></p> <p>This is an entry level, diver training program designed to provide all of the basic information and skills required for the beginning openwater SCUBA Diver between the ages of 12 & 16. Emphasis is placed on creating a safe, comfortable and confident diver with special skills and tools including the use of Redundant Breathing Systems.</p> <p><i>Pre-requisite:</i> Age 12 - 16 yrs. with none other than they must be physically fit enough with no medical contraindications. Some locales may require a diving medical physical.</p>

OSD	1	Ocean Scuba Diver	Certified to dive in similar conditions to the open ocean / sea training locale during No-Stop-Required Air dives, using 2 cylinders (one main plus the RBS) with depths limited to 30m (100fsw).	<p><i>Ocean Scuba Diver - (OSD)</i></p> <p><i>ANDI</i> offers this certification to those completing their training in a Level 1 course with a 20m depth limit (extended to 30m depth rating after 10 dives experience). This course consists of 4 scuba dives and 1 surface diver environmental orientation conducted under direct OWI supervision. All OWD standards apply except, at the minimum, the last 2 dives must be performed in the open sea / ocean environment.</p> <p><i>Pre-requisite:</i> 16 years old. None other than they must be physically fit enough with no medical contraindications. Some locales may require a diving medical physical.</p>
OCD	2	Ocean Diver	Enhanced their skills by completing 10 dives including Open Sea / Ocean environment dives during No-Stop-Required Enriched Air dives, using 2 cyl's (main + RBS) with depths limited to 30m. May use Nitrox 32 & 36% only.	<p><i>Ocean Diver - (OCD)</i></p> <p><i>ANDI</i> will offer this certification for those completing their training in Open Sea / Ocean environment as a Level 2 course with a 30m depth rating (after 10 dives experience). This course consists of 6 scuba dives and 1 surface diver environmental orientation conducted under direct OWI supervision plus 4 dives which may be completed independently. All OWD standards apply except, at the minimum, the last 2 dives must be performed in the open sea / ocean environment.</p> <p><i>Pre-requisite:</i> As per OWD except that the LSU course is an integrated part of this course. Both certifications are earned.</p>
OAD	2	Ocean Adventurer	Enhanced skills by completing 20 dives, including 6 specialty dives including Open Sea / Ocean environment dives during No-Stop-Required SafeAir/Nitrox dives, using 2 cylinders (main + RBS) with depths limited to 30m. May use Nitrox 32 & 36% only.	<p><i>Ocean Adventurer - (OAD)</i> <i>L2</i></p> <p><i>ANDI</i> offers this certification for those continuing their education by completing a minimum of 6 specialty dives excerpted from 4 or more specialty programs. Completion of a full specialty course is not required but 20 dives of accrued experience is a requisite for certification.</p> <p><i>Pre-requisite:</i> Openwater Diver, Ocean Diver or Ocean Scuba Diver + LSU</p>

AOW	2	Advanced Openwater Diver	Enhanced their diving skills by completing a minimum of 20 dives including SafeAir Sport Diver and 3 selected diving specialties. Limited to Nitrox mixtures of 32% and / or 36% to 40m / 130fsw during No-Stop-Required profiles with 2 cylinders and 2 gases.	<p><i>Advanced Openwater Diver - (AOW)</i></p> <p><i>ANDI</i> offers this certification for those continuing their sport diving education by completing 4 specialties with an accrued dive total of 20 dives prior to certification. This program consists of at least 6 dives to complete 4 selected specialty courses including Dive Planning, Deeper Diver and LSU.</p> <p><i>Pre-requisite:</i> Openwater Diver, Ocean Diver or Ocean Scuba Diver</p>
ESD	2	Expert Scuba Diver	Enhanced skills by completing 20 dives and 12 specialties during No-Stop-Required SafeAir/Nitrox dives, using 2 cylinders (main + RBS) with depths limited to 30m. May use Nitrox 32 & 36% only.	<p><i>Expert Scuba Diver - (ESD)</i></p> <p>This program offers an opportunity to complete a variety of additional diving specialties while completing a minimum of 20 dives in a variety of conditions.</p> <p><i>Pre-requisite:</i> Advanced Openwater Diver or Ocean Adventurer + LSU</p>
OEX	2	Ocean Explorer	Advanced Diver who has completed 40 dives and 10 full specialty courses in open ocean / sea conditions during No-Stop-Required SafeAir/Nitrox dives, using two cyl's (one main plus the RBS) with depths limited to 30m. May use all Nitrox mixtures.	<p><i>Ocean Explorer - OEX</i> L2</p> <p>The rating is a step beyond Advanced Openwater Diver or Expert Scuba Diver. This diver has enhanced their diving skills by completing a minimum of 40 dives and 10 full specialty courses in open ocean or open sea conditions during No-Stop-Required SafeAir dives, using two cylinders (one main plus the RBS) with depths limited to 30m (100fsw). May use all Nitrox mixtures.</p> <p><i>Pre-requisite:</i> OWD or Ocean Scuba Diver + LSU or Ocean Diver</p>

OXX	2	Ocean Expert Explorer	Enhanced their skills by completing 60 dives and 16 specialties including Open Sea / Ocean environment dives during No-Stop-Required SafeAir/ Nitrox dives, using 2 cyl's (main + RBS) with depths limited to 30m. May use Nitrox 32 & 36% only.	<p><i>Ocean Expert Explorer - OXX</i> L2</p> <p>This is the apex of the Open Water ratings. This diver has gained extensive experience under direct and indirect instructor supervision and completed a minimum of 16 complete specialties. All SafeAir mixes and depths to 30m in a variety of conditions are all within the scope of this divers capabilities.</p> <p><i>Pre-requisite:</i> Ocean Explorer</p>
Openwater Specialties (See the Instructor Procedures for course standards & specifics)				
Code	Level	Title	Certification Limitations	
DSD	2	Drysuit Diver	Has been trained in the correct use of dry suits, including emergency procedures, care and maintenance	
NAV	2	Navigation Diver	Has been trained in advanced navigation techniques and compass usage	
DPV	2	Propulsion Vehicle Diver	Has been trained in the proper use of Diver Propulsion Vehicles in accordance with their highest certification level in regard to depth and gases	
BOT	1	Boat Diving	Has been trained in proper boat diving etiquette and procedure	
NGT	1	Night Diving	Has been trained in proper preparation & procedures for night diving	
DWD	2	Deeper Water Diver	Has been trained in proper procedure for diving in deeper water but within the recreational NSR limits	
DAS	2	Dolphin Awareness Specialty	Has participated in a Dolphin Awareness Specialty and was trained in the appropriate etiquette and conduct while diving around dolphins.	

SafeAir Programs (Levels I-II)				
Code	Level	Title	Certification Limitations	Course Description
LSU	1	SafeAir Sport Diver	May use Nitrox mixtures of 32% and / or 36% performing No-Stop-Stop-Required profiles with 2 cylinders and 2 gases. Depth limited to gas mix and OW diver certification rating limit	<p><i>SafeAir® Sport Diver - (LSU, Level 1)</i> Text : The Introduction to Enriched Air Diving This program introduces the basic concepts of enriched air diving, explains the basis for the limits and restrictions of use and enables those certified as ANDI SafeAir Sport Diver to receive the full benefits of breathing cleaner gas and enhanced safety. Covers the information necessary to make use of 6 of the 8 ANDI-identified applications of SafeAir within sport diving limits. Those completing this course are certified to use SafeAir 32% and 36% only. This program requires 4-7 hours of lecture and two open water orientation / training dives (one <i>required</i>, two <i>strongly recommended</i>).</p> <p><i>Pre-requisite:</i> All divers in training may enroll in this course. No prerequisites required. The student must be OW certified <i>prior to</i> ANDI LSU certification.</p>
LSU-Jr	1	Junior SafeAir Sport Diver	May use Nitrox mixtures of 32% and / or 36% to 20m / 65fsw for No-Stop-Required profiles w. 2 cylinders and 2 gases (one main + the RBS) diving in similar conditions to the training locale w. instructor, parent/legal guardian or family member of 18+ yrs. Age 12 - 16 yrs.	<p><i>Junior SafeAir® Sport Diver - (LSU-Jr, Level 1)</i> Text : The Introduction to Enriched Air Diving This program introduces the basic concepts of enriched air diving, explains the basis for the limits and restrictions of use and enables those certified as ANDI SafeAir Sport Diver to receive the full benefits of breathing cleaner gas and enhanced safety. Covers the information necessary to make use of 6 of the 8 ANDI-identified applications of SafeAir within sport diving limits. Those completing this course are certified to use SafeAir 32% and 36% only. This program requires 4-7 hours of lecture and two open water orientation / training dives (one <i>required</i>, two <i>strongly recommended</i>).</p> <p><i>Pre-requisite:</i> All divers in training may enroll in this course. No prerequisites required. The student must be Jr-OW certified <i>prior to</i> ANDI LSU-Jr certification. Must dive with a parent or instructor per requirements of their agencies standards for Jr. OW</p>

CSU	2	Complete SafeAir User	May use Nitrox mixtures of 22% to 50% performing No-Decompression-Stop-Required profiles with 2 cylinders and 2 gases. Depth limited to gas mix and OW diver certification rating limit.	<p><i>Complete SafeAir® User - (CSU, Level 2)</i></p> <p>Text : The Application of Enriched Air Mixtures</p> <p>The CSU course is the “advanced SafeAir” program and builds upon and expands the material introduced in the LSU course. It may be used as a review or as a stand-alone program. It covers the information necessary to make use of all 8 of the ANDI-identified applications of SafeAir within the sport diving limits. Those completing this course are certified to use all SafeAir mixtures, including SafeAir 50. This program requires 8 -12 hours of lecture and two open water orientation \ training dives (one <i>required</i>, two <i>strongly recommended</i>).</p> <p><i>Pre-requisite:</i> OW certified</p> <p><i>Note: Part one (classroom) and part two (open water) are to be completed satisfactorily prior to LSU and CSU certification. A part one certification may be issued upon satisfactory completion of all classroom requirements. This certification may be used to complete the two logged SafeAir dives required for full certification.</i></p>
CSU-Jr	2	Junior Complete SafeAir User	May use Nitrox mixtures of 22% to 50% to 20m / 65fsw performing No-Decompression-Stop-Required profiles with 2 cylinders and 2 gases diving in similar conditions to the training locale w. instructor, parent/legal guardian or family member of 18+ yrs. Age 12 - 16 yrs	<p><i>Complete SafeAir® User Junior - (CSU, Level 2)</i></p> <p>Text : The Application of Enriched Air Mixtures</p> <p>The CSU course is the “advanced SafeAir” program and builds upon and expands the material introduced in the LSU course. It may be used as a review or as a stand-alone program. It covers the information necessary to make use of all 8 of the ANDI-identified applications of SafeAir within the sport diving limits. Those completing this course are certified to use all SafeAir mixtures, including SafeAir 50. This program requires 8 -12 hours of lecture and two open water orientation \ training dives (one <i>required</i>, two <i>strongly recommended</i>).</p> <p><i>Pre-requisite:</i> Jr-OW certified, must dive with a parent or instructor per requirements of their agencies standards for Jr. OW</p>

SWD	2	SafeAir Wreck Diver	May use all Nitrox mixtures (to 50%) to 40m / 130fsw performing No-Stop-Required wreck dives using 2 cylinders and 2 gases, RBS included. Penetration limited to the daylight zone of an entrance with less than 15m (50 fsw) of penetration. RBS is required.	<p><i>SafeAir Wreck Diver - (SWD Level 2),</i> Text : The Techniques of Wreck Diving by Ed Betts This is a Level-II program covering all aspects of wreck diving and specialized equipment while utilizing SafeAir for bottom time & safety benefits. Since it is advanced recreational in nature, no penetration or decompression is permitted (these skills are covered in the Level-III Wreck course, TWD). <i>Other related programs include The ANDI Confined Environment Diver (level-II) and the Technical Wreck Diver.</i> Prerequisite: Complete SafeAir User (CSU)</p>
CVN	2	Cavern Diver	May use all Nitrox mixtures (to 50%) to 30m / 100fsw performing No-Deco-Required profiles with 2 cylinders and 2 gases, RBS included, within the daylight zone of a cave entrance or cavern with less than 15m / 50ft of penetration. RBS is required.	<p><i>Cavern Diver - (CVN Level 2),</i> Text : NSSCDS This is a Level-II program covering all aspects of diving under an overhead environment within the light zone. <i>Other related programs include The ANDI Confined Environment Diver (level-II) and the Technical Wreck Diver.</i> Prerequisite: Complete SafeAir User (CSU)</p>
CCI	1	Closed Circuit Introduction	May use the specific rebreather system at 18 m / 60 fsw performing No-Stop-Required profiles with 50% Nitrox only limited to 2 cylinders and 2 gases, RBS included and required while diving with a CCR Instructor.	<p><i>Passport Rebreather Diver - (CCI, Level 1)</i> Text : Introduction to Closed-Circuit Technology - An introductory training program offering the participant the opportunity to experience the sensation of “silent scuba” as well as to become acquainted with the technology of closed-circuit rebreather’s. This is an “experience” program and does not certify one as a “User”. This certification offers the “Passport” card holder to dive with a product-specific certified rebreather instructor. The format consists of an explanation of the concepts, components and principles of operation. In addition to the 2-hour lecture, there is included a practical dive conducted in <i>either</i> a confined environment or controlled “open water” environment. The maximum depth limit for this program is 60 fsw / 18 msw (33 fsw/10 m if no confined environment practice is provided). This is an equipment and skill-specific course consisting of 4-5 hour introduction is available to all levels of “open water certified” divers. Prerequisites: OW certification.</p>

CCR-Unit	2	Closed-Circuit Rebreather Diver	<p>May use the specific rebreather system at 40m / 130 fsw performing No-Stop-Required profiles using an Air diluent. Redundant Breathing System is required</p> <p>Unit Specific Texts:</p> <ul style="list-style-type: none"> • Megaladon • Inspiration • KISS • rEvo • HammerHead • Nautilus 	<p><i>Closed-Circuit Rebreather Diver - (CCR Level 2)</i></p> <p>Text : Recreational Diving with CCR (unit specific text)</p> <p>This is a complete product specific program which enables the certified diver to crossover to this superior electronic technology. Structured for recreational scuba applications, this training and associated product limits the user to 40 msw (130 fsw) and "no-stop-required" profiles. The breathing media is SafeAir (Enriched-Air Nitrox) and therefore, this course encompasses the basic concepts of SafeAir. This training is available to all certified divers. This 3-part format consists of 18 hours of lecture, 4 hours of confined environment training and 6-8 open water dives conducted under direct instructor supervision. The total accrued bottom time for this course must be not less than 300 minutes.</p> <p>Prerequisites: OW certification, CSU certification (pre-test required) +50 Logged Dives.</p> <p>NOTE: Due to the product-specific nature of these training programs, there can be little or no cross-training permitted excluding the general theory and repetitive/duplicative water work. There can be no assumptions made as to experience levels and competency.</p>
SCR-Unit	2	Semi-Closed Circuit Diver	<p>May use the specific rebreather system at 40m / 130 fsw performing No-Stop-Required profiles with 3 cylinders and 2 gases, RBS included and required</p> <p>Unit Specific Texts:</p> <ul style="list-style-type: none"> • Dräger • Azimuth 	<p><i>Semi-Closed Rebreather Diver - (SCR Level -2)</i></p> <p>Text : Recreational Diving with SCR</p> <p>This is a complete program which enables the certified diver to crossover to this improved technology. Structured for recreational scuba applications, this training and associated product limits the user to 40 msw (130 fsw) and "no-stop-required" profiles. The breathing media of choice is EAN (Enriched-Air Nitrox). ANDI currently has unit specific training (and individual text books) available for the equipment listed below.</p> <p>Prerequisite: Complete SafeAir User (or <i>equivalent</i>) + 10-dives</p>

ALD	2	SafeAir Altitude Diver	May use all Nitrox mixtures (to 50%) performing altitude dives of No-Stop-Required profiles with up to 2 cylinders and 2 gases. Depth limited to gas mix and OW diver certification rating limit	<p><i>SafeAir Altitude Diver - (ALD, Level 2)</i></p> <p>Text : The Application of Enriched Air Mixtures</p> <p>This is an add-on module to the CSU course in which the additional theory is added as it relates to diving at altitude. It may be used as a review of the CSU or as a stand-alone specialty program. Those completing this course are certified to use all SafeAir mixtures, including SafeAir 50. This program requires 2-3 hours of lecture no dives beyond that of CSU.</p> <p>Pre-requisite: OWD and CSU in training or certified</p>
Technical Programs (Levels III-V)				
Code	Level	Title	Certification Limitations	Course Description
TSD	3	Technical SafeAir Diver	May use all Nitrox and Oxygen mixtures to 50m (165fsw) during decompression profiles limited to a max of 30 minutes deco-time, using 3 cylinders and 3 gases. No hard overhead / penetration permitted.	<p><i>Technical SafeAir® Diver - (TSD, Level 3)</i></p> <p>Text : Advanced Diving Activities</p> <p>This is the first ANDI program to cover the specific information and skills necessary to perform stage-stop required, “technical” decompression diving while minimizing the associated risk factors. Also covered: how to use various SafeAir mixtures to increase decompression efficiency and safety, gas volume management, oxygen dosage tracking and contingency planning/procedures. This course serves as the building block for other ANDI Technical and Exploration programs. The operational depth limit for this program is extended to 165 fsw / 50 msw. This is an equipment and skill-intensive course requiring extensive counseling by the ANDI Technical Instructor. This program includes 8 -10 hours of lecture and 4 - 5 open water training dives. Minimum bottom time for the required dives is 180 minutes.</p> <p>Pre-requisite: CSU certification or equivalent + 50 logged dives. Other pre-requisites may apply.</p>
TWD	3	Technical Wreck Diver	May use all Nitrox and Oxygen mixtures to 50m (165fsw) performing decompression profiles limited to a max of 30 minutes deco-time, using 3 cylinders and 3 gases within a shipwreck environment. Wreck penetration permitted.	<p><i>Technical Wreck Diver - (TWD, Level 3)</i></p> <p>Text : The Techniques of Wreck Diving by Ed Betts</p> <p>This is a Level-III program expanding on the skills developed in the SWD program by introducing penetration techniques and utilizing decompression procedures while wreck diving.</p> <p>Prerequisite: ANDI SWD & TSD</p>

CAV	3	Cave Diver	May use all Nitrox and Oxygen mixtures to 50m (165fsw) during decompression profiles limited to a max of 30 minutes deco-time using 3 cylinders and 3 gases within a cave environment	<p><i>Cave Diver- (CAV, Level 3), Text : NSSCDS</i></p> <p>This is a Level-III program expanding on the skills developed in the CVN program by introducing penetration techniques and utilizing decompression procedures while operating in an overhead environment.</p> <p><i>Prerequisite:</i> ANDI CVN & TSD</p>
CVX	4	Cave Explorer	May use SafeAir and Oxygen mixtures without limits on the deco obligations, dive run times, number of cylinders or equipment configurations at a maximum depth of 50m / 165fsw or 4.5 ata PN ₂ within a cave environment	<p><i>Cave Explorer- (CVX, Level 4,5),</i></p> <p>Similar to the progression of gas use for ERD & TSD, these programs provide the application experience for decompression and eventually the use of Helium while operating in an overhead environment.</p> <p><i>Prerequisite:</i></p> <p>Level:4-CAV, ERD plus 100 dives (10 deeper than 30 m)</p> <p>Level 5-CVX Level-4, TMD plus 200 dives, 50 deco dives, 25 cave dives</p>
SLO	3	Solo Diver	May dive independently (a team of one), use all Nitrox and Oxygen mixtures to 50m (165fsw) during decompression profiles limited to 30 minutes max deco-time, using 3 cylinders and 3 gases. No hard overhead / penetration permitted.	<p><i>Solo Diver- (SLO, Level 3), Text :</i></p> <p>The ANDI Solo Diver is qualified to dive without utilizing the “buddy system”. The Solo Diver is qualified to plan and execute dives independently with an emphasis on self-reliance and self-rescue. This is a Level 3 program within the ANDI system and is therefore beyond the limits of “recreational sport diving”. Advanced dive planning, decompression diving, emergency \ self-rescue protocol, equipment handling, and stress management skills, are covered in detail.</p> <p><i>Prerequisite:</i> 21yrs old, AOW & CSU, 100 dives</p>
TTM	3	Technical Tri-Mix	May use all SafeAir, Helium and Oxygen mixes to 50m (165fsw) during decompression profiles limited to a max of 45 minutes deco-time, using 3 cyls and 2 gases at a max of 3.2 PN ₂ and 1.45 PO ₂ . No hard overhead / penetration permitted.	<p><i>Technical Tri-Mix - (TTM, Level 3), Text : Extended Range & Tri-Mix Exploration Diving by Ed Betts & Harry Wenngatz</i></p> <p>The Technical Tri-Mix program expands on the applications and procedures of the TSD course by introducing the use of Helium (minimum of 16%) without increasing the depth limitations imposed by Level 3 (TSD) diving. It is an ideal training program for those looking to benefit from Helium use but have no desire to go to extreme depths. The operational depth limit for this program is 165 fsw / 50 msw. Like the TSD course, this is an equipment and skill-intensive course requiring extensive counseling by the ANDI Level 5 trained L3 Instructor. The TTM program includes 4 -6 hours of lecture and 4 + open water training dives. Minimum run time is 180 minutes.</p> <p><i>Prerequisite:</i> ANDI TSD. Other pre-requisites may apply</p>

TRD	3	Technical Rebreather Diver	May use all Nitrox and Oxygen mixtures to 50m (165fsw) during decompression profiles limited to a max of 30 minutes deco-time, using the rebreather system specified. No hard overhead / penetration permitted. RBS is required	<p><i>Technical Rebreather Diver - (TRD, Level 3)</i></p> <p>Text : Advanced Diving Activities</p> <p>This is a rebreather program to cover the specific information and skills necessary to perform stage-stop required, “technical” decompression diving while minimizing the associated risk factors. Also covered:utilizing gases on-board to increase decompression efficiency and safety, gas volume management, oxygen dosage tracking and contingency planning/procedures. This course serves as the building block for other ANDI Exploration programs. The operational depth limit for this program is extended to 165 fsw / 50 msw. This is an equipment and skill-intensive course requiring extensive counseling by the ANDI Technical Instructor. This program includes 8 -10 hours of lecture (add if TSD is included) and 4 - 5 open water training dives. Minimum bottom time for the required dives is 180 minutes.</p> <p><i>Pre-requisite:</i> CCR (unit specific), TSD (may be run in conjunction) certification or equivalent + 25 logged rebreather dives. Other pre-requisites may apply.</p>
TTR	3	Technical Trimix Rebreather Diver	May use all Nitrox, Helium and Oxygen mixes to 50m (165fsw) during decompression profiles limited to a max of 45 minutes deco-time, using the rebreather system specified at a max of 3.2 PN ₂ and 1.45 PO ₂ . No hard overhead / penetration permitted. RBS is required	<p><i>Technical Tri-Mix Rebreather Diver - (TTR, Level 3)Extended Range and Tri-Mix Exploration Diving</i></p> <p>The Technical Tri-Mix Rebreather program expands on the applications and procedures of the TRD course by introducing the use of Helium (minimum of 16%) without increasing the depth limitations imposed by Level 3 (TRD) diving. It is an ideal training program for those looking to benefit from Helium use but have no desire to go to extreme depths. The operational depth limit for this program is 165 fsw / 50 msw. Like the TRD course, this is an equipment and skill-intensive course requiring extensive counseling by the ANDI Level 5 trained L3 Instructor. The TTR program includes 4 -6 hours of lecture and 4 + open water training dives. Minimum run time is 180 minutes.</p> <p><i>Prerequisite:</i> CCR (unit specific), TRD (may be run in conjunction) certification or equivalent + 25 logged rebreather dives. Other pre-requisites may apply.</p>

CCE/ ERE	IV, V	Rebreather Explorer	May use the specific rebreather system with Helium and Oxygen mixtures without limitations. Attainable depths are relative to experience levels and the quality of available technical support. No hard overhead / penetration permitted	<p><i>Rebreather Explorer - (ERE, Level 5)</i></p> <p>Text : <i>Extended Range and Tri-Mix Exploration Diving</i></p> <p>This is an extensive training program consisting of some 30-hours of theory and between six and 10 dives to prepare the Technical Rebreather diver for the use of Helium and other possible gases in deep exploration. The operational depth limit for this program is extended to 330 fsw / 100 msw. This is an equipment and skill-intensive course requiring extensive counseling by the ANDI Technical Instructor. .</p> <p><i>Pre-requisite:</i> TRD (unit specific), 200 prior O/W dives + 75 logged rebreather dives. Other pre-requisites may apply.</p>
ERD	IV	Extended Range Diver	May use SafeAir and Oxygen mixtures without limits on the decompression obligations, dive run-times, number of cylinders or equipment configurations at a maximum depth of 50m / 165fsw or 4.5 ata PN ₂ .	<p><i>Extended-Range Exploration Diver - (ERD, Level 4)</i></p> <p>Text : <i>Extended Range & Tri-Mix Exploration Diving by Ed Betts & Harry Wenngatz</i></p> <p>This program is designed to bridge the gap between the advanced / decompression diver and the deep explorer. The ERD program is a diving oriented course with extensive practical diving included. The ERD course may be a stand alone program or taught in conjunction with <i>either</i> the TSD <i>or</i> the TMD course <i>but not both</i>. The following topics will be stressed: gas supply management, decompression table selection, team functioning and mission planning relative to longer and deeper dives. The <i>maximum recommended</i> depth in this program is 165 fsw / 50 msw. It also offers the option to extend to 190 fsw / 58 msw (<i>if conditions and experience allow</i>) for the practical application of narcosis management as well as an evaluation of personal limits. This course prepares the diver for ultra-deep, “mission-oriented” dives and entry into the <i>Tri-mix Exploration Program</i>. This is an equipment intensive course requiring extensive counseling by the ANDI ERD Instructor. 6 - 8 hours of lecture and 3 \ 4 open water dives are required for certification. Minimum bottom time for the dives is 240 minutes.</p> <p><i>Pre-requisite:</i> TSD certification or equivalent + 100 logged dives. Other pre-requisites may apply.</p>

ITM	V	Intermediate Tri-Mix Diver	May use SafeAir, Helium and Oxygen mixes containing 21% Oxygen without limits on the decompression obligations, dive run times, number of cylinders or configurations to a depth of 60m / 200fsw with a max of 3.6 PN ₂ and 1.45 PO ₂ . No hard overhead / penetration.	<p>Intermediate Tri-Mix Diver - (ITM, Level 5) Text : Extended Range & Tri-Mix Exploration Diving by Ed Betts & Harry Wenngatz</p> <p>For depths beyond 165 fsw / 50 msw, the use of helium to offset the high levels of nitrogen offers a major risk reduction. The ANDI Intermediate Tri-Mix Diver will have the ability to control both the narcosis and oxygen equations which must be considered when diving to these deeper depths. The operational depth limit for this program is 200 fsw / 60 msw (if conditions and experience allow). 6 - 8 hours of lecture and 4 open water dives are required for certification. Minimum bottom time for the dives without decompression time included is 75 minutes.</p> <p>Pre-requisite: TSD and ERD certifications or equivalent + 200 logged dives. Other pre-requisites may apply.</p>
TMD	V	Tri-Mix Diver	May use SafeAir, Helium and Oxygen mixes without depth limits, decompression obligations, dive run-times, number of cylinders or configurations. Attainable depths are relative to experience levels and the quality of technical support. No hard overhead or penetration.	<p>Tri-Mix Exploration Diver - (TMD, Level 5) Text : Extended Range & Tri-Mix Exploration Diving by Ed Betts & Harry Wenngatz</p> <p>For depths beyond 165 fsw / 50 msw, the use of helium to offset the high levels of nitrogen offers a major risk reduction. The ANDI Tri-Mix Exploration Diver will have the ability to control both the narcosis and oxygen equations which must be considered when diving to these deeper depths. The operational depth limit for this program is extended to 326 fsw / 100 msw (if conditions and experience allow). 6 - 8 hours of lecture and 3 \ 4 open water dives are required for certification. Minimum bottom time for the dives without decompression time included is 75 minutes.</p> <p>Pre-requisite: TSD and ERD certifications or equivalent + 200 logged dives. Other pre-requisites may apply.</p>
Dive Medic Programs				
Code	Level	Title	Certification Limitations	Course Description
FRS	N/A	First Responder	Student has completed the prerequisite training for Universal Emergency Precautions for First Aid Responder. No renewal required.	<p>First Responder - (FRS),</p> <p>Text : First Aid, A Lifesavers Guide by Charlie Johnson & Ian Cope</p> <p>The First Responder program is a preliminary prerequisite for Oxygen Provider, First Aid and CPR. It helps the student to begin to identify general procedures for dealing with an illness or injury as well as precautions that should be taken to prevent disease transmission.</p> <p>Prerequisite: None</p>

FAP	N/A	First Aid Provider	<p>Trained in basic First Aid, victim care and emergency procedures with emphasis on aquatic-related injuries. Qualified to render assistance, within the scope of their training to those in need desiring assistance.</p> <p>Proficiency must be renewed every 2 years.</p>	<p><i>First Aid - (FAP), Text : First Aid for The Aquatic Sports Enthusiast by Charlie Johnson</i></p> <p>This program consists of theory and practical covering all basic first aid technique found in most programs of its kind. Additionally, it focuses in on injuries and illnesses that could be prevalent in the aquatic environment such as diving issues, toxic marine life, drowning, seasickness and more.</p> <p><i>Prerequisite:</i> First Responder. Oxygen provider and CPR is recommended but not required.</p>
CPR	N/A	CPR Provider	<p>Trained in Cardiopulmonary Resuscitation. Qualified to render assistance, within the scope of their training to those in need desiring assistance.</p> <p>Proficiency must be renewed every 2 years.</p>	<p><i>CardioPulmonary Resuscitation - (CPR), Text : Cardio-Pulmonary Resuscitation by Charlie Johnson & Ian Cope</i></p> <p>This program provides similar training and skills as other CPR programs. It is up-to-date in that it reflects the changes that American Heart Association, American Red Cross and the NSC made in September 2002. The benefits in use of an Automated External Defibrillator (AED) is discussed but no</p>
OXP	N/A	Oxygen Administration Provider	<p>Qualified to administer Oxygen and render assistance, within the scope of this training, to individuals in need and who desire assistance. Proficiency must be renewed every 2 years.</p>	<p><i>Oxygen Provider - (OXP), Text : Oxygen Administration for Diving Emergencies by Ed Betts & Chuck Tongren</i></p> <p>This program covers all aspects of providing Oxygen during an emergency for divers and non-divers alike. Basic physiology, procedures, equipment and record keeping are discussed and practiced in detail.</p> <p><i>Prerequisite:</i> First Responder</p>
DMD	N/A	Dive Medic	<p>Completed approved training in Rescue Diver, CPR, First Aid, Oxygen Administration and SafeAir Diver, Level 2. Qualified to render assistance, within the scope of their training to those in need desiring assistance.</p> <p>Proficiency must be renewed every 2 years.</p>	<p><i>Dive Medic Diver- (DMD)</i>, The Dive Medic rating is an acknowledgment of having completed five specific ANDI programs within a two-year window. Specifically Complete SafeAir User, Rescue Diver, Oxygen Provider, First Responder, First Aid Provider and CPR. While this certification usually comes as the result of having taken and passed the individual programs, it is often packaged as one program to insure that all individual subjects are covered. Renewal requires demonstrated proficiency evaluated by a Dive Medic Instructor.</p>

HCA	N/A	Hyperbaric Chamber Awareness and Protocols	Completed this program to become familiar with the general practices and procedures of chamber operation, safety protocols and benefits of use.	<i>Hyperbaric Chamber Awareness- (HCA) Text : Any version of the ANDI Hyperbaric Chamber Operator, Unit Specific Texts.</i> This program was designed to provide the background physics, physiology and procedures of Hyperbaric use in general along with patient care and counseling so as to allow
Non-Diving and Technician Programs				
Code	Level	Title	Certification Limitations	Course Description
HCT	N/A	Hyperbaric Chamber Tender	Trained to provide assistance to and counsel chamber patients during treatment and assist from within the chamber the certified operator in accordance with ANDI's procedures, manufacturer guidelines, local safety regulations and good protocol.	<i>Hyperbaric Chamber Tender- (HCT) Text : Any version of the ANDI Hyperbaric Chamber Operator, Unit Specific Texts.</i> This program was designed to provide the background physics, physiology and procedures of Hyperbaric use in general along with patient care and counseling so as to allow the individual to assist a fully certified Hyperbaric Chamber Operator in the treating of patients. Practical applications include experience working with a fully certified Hyperbaric Chamber Operator.
HCO	N/A	Hyperbaric Chamber Operator	Trained to operate the specific Hyperbaric Chamber in accordance with ANDI's procedures, manufacturer guidelines, local safety regulations and good protocol. Proficiency must be renewed every 2 years.	<i>Hyperbaric Chamber Operator- (HCO), Text : Unit Specific version of the ANDI Hyperbaric Chamber Operator Texts as well as Manufacturers Manual.</i> This is a unit specific certification designed to train individuals in all of the theory and function of use of specific Hyperbaric chambers. The student has demonstrated a full understanding of the physics, physiology, patient care, equipment engineering, maintenance and use of specific Hyperbaric Chambers for both Air and Oxygen administration as well as hands-on use of the specific equipment.

CGB	N/A	Certified Gas Blender	May operate, maintain breathing gas production equipment approved for Air and mixed-gas breathing applications. Also, to produce and dispense breathing gas mixtures by means of approved procedures	<p><i>SafeAir Gas Blender - (CGB), Text : Oxygen Handling & Gas Blending Procedures by Ed Betts</i></p> <p>The SafeAir Gas Blender insures the proper operation of blending equipment and that ANDI standards for gas purity is met within the ANDI facility. This course is often run in conjunction with a CST course. Training on this subject separately usually lasts one full day. Theory and hands on experience is provided.</p> <p><i>Prerequisites:</i> The ANDI CST course is strongly advised.</p>
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Non-Diving and Technician Programs				
Code	Level	Title	Certification Limitations	Course Description
CST	N/A	Certified SafeAir Technician	Certified to service and maintain equipment for Oxygen or Nitrox service in accordance with ANDI's Oxygen cleaning procedures, manufacturer guidelines and local regulations	<p><i>SafeAir Service Technician - (CST), Text : EAN & Oxygen Servicing Procedures by Ed Betts & Charlie Johnson</i></p> <p>The SafeAir Service Technician is an instrumental individual within the ANDI facility. Their role is to oversee the servicing requirements of equipment to be used with SafeAir and to insure that ANDI standards (as well as local standards) are met. The CST course is a two-day course covering all aspects of SafeAir equipment servicing. Theory and hands on experience is provided. All ANDI facilities are required to have at least one CST on staff.</p> <p><i>Prerequisites:</i> Authorized to service at least one major manufacturers equipment line.</p>
ECT	N/A	Eddy Current Technician	Authorized to conduct non-destructive testing utilizing Eddy Current technology on Aluminum cylinders in accordance with ANDI, local and manufacturer standards.	<p><i>Eddy Current Technician - (ECT), Text : None</i></p> <p>The Eddy Current Technician program will train the cylinder technician in utilizing non-destructive testing procedures of Aluminum cylinders to isolate neck cracks due to Stress Load Cracking (SLC) or Corrosion Cracking. Procedures, regulations and documentation needs are discussed.</p> <p><i>Prerequisite:</i> CIT certified.</p>
CIT	N/A	Cylinder Inspector Technician	Authorized to conduct cylinder visual inspections for Steel, Aluminum and Composite cylinders in accordance with ANDI, local and manufacturer standards. Certification must be renewed every 3 years.	<p><i>Cylinder Inspection Technician - (CIT), Text: Cylinder Visual Inspector Program by Rudy Mola. Text used for reference : Luxfer's Guide To Cylinder Visual Inspections by Luxfer Cylinders</i></p> <p>The visual Inspection technician covers inspection procedures, regulations and documentation requirements for the technician involved in cylinder inspections.</p> <p><i>Prerequisites:</i> None however experience with other equipment servicing is helpful.</p>

Non-Diving and Technician Programs				
Code	Level	Title	Certification Limitations	Course Description
AST	N/A	Apprentice Service Technician	Qualified to dis-assemble and clean to air standards any manufacturer's equipment under the direction of a Senior Service Tech. Certified to remove, service and repair cylinder valves. Not certified for assembly and adjustment of equipment other than cylinder valves	<p><i>Apprentice Service Technician - (AST)</i>, Texts used for reference : Regulator Theory by Pete Wolfanger plus appropriate manufacturer manuals</p> <p>The Apprentice Service Technician is an entry level program for equipment servicing of SCUBA equipment. Much of the program consists of apprentice work with a Senior Service Technician. Training consists of familiarization of equipment design and function as well as appropriate use of specialized tools for disassembly and cleaning procedures. The AST is not authorized to assemble or perform post-servicing evaluations with the exception of cylinder valves.</p> <p>Prerequisites: None however experience with other equipment servicing is helpful.</p>
PST	N/A	Professional Service Technician	May disassemble, clean and service for all gases, any equipment as authorized by the manufacturer. Assembly and post-service evaluation of non-mfg authorized equipment must be done under the direct supervision of a Senior or Master Service Technician	<p><i>Professional Service Technician- (PST)</i>, Texts used for reference : Reg's 102, Repair Technician Program by Rudy Mola plus appropriate manufacturer manuals</p> <p>The Professional Service Technician program is a fully structured theory and practical application oriented program. Time and experience has been given to proper servicing, assembly and evaluation procedures. The professional Service Technician is required to go through at least three manufacturers equipment service programs and may service equipment completely from these manufacturers. They are also qualified to perform SafeAir cleaning on any equipment. Assembly and post servicing evaluations of non-mfg certified equipment must be done under the supervision and authentication by a senior service technician.</p> <p>Prerequisites: CIT and CST certified as well as having completed at least three mfg's training seminars.</p>

Non-Diving and Technician Programs				
Code	Level	Title	Certification Limitations	Course Description
SST	N/A	Senior Service Technician	May service all breathing equipment for all gases as authorized by the manufacturer. May provide direct supervision of Professional Service Technicians and may conduct Apprentice technician training.	<p>Senior Service Technician- (SST), This is an earned rating for individuals meeting the prerequisites and who apply.</p> <p>Prerequisites: PST certified, holds 5-mfg's ratings for servicing equipment (2-current within 2-years), 8-years current experience servicing SCUBA equip.</p>
MST	N/A	Master Service Technician	May service all breathing equipment for all gases as authorized by the manufacturer. May provide direct supervision of Professional Service Technicians and may conduct Apprentice Service Technician, and Valve Repair Technician training.	<p>Master Service Technician- (MST), This is an earned rating for individuals meeting the prerequisites and who apply.</p> <p>Prerequisites: SST & CGB certified, have held CST rating for 5-years, holds 6-mfg's ratings for servicing equipment (3- current within 3-years), 15-years current experience servicing SCUBA equip.</p>
BDT	N/A	Breathing Gas Dispenser Technician	Trained in the safe operation of the Breathing Gas production equipment. Certified to provide pre-mixed breathing gas into approved receivers. Not certified to perform gas blending, Oxygen cleaning or system maintenance.	<p>Breathing Gas Dispenser Technician- (BDT), Note: This individual will be trained to correctly refill cylinders with pre-mixed gas and to follow all guidelines necessary to minimize the associated risks.</p> <p>Sample Topics Covered:</p> <ul style="list-style-type: none"> ■ Familiarization with general equipment utilized for cylinder re-fills, Familiarization with on-site re-fill system, Identify required cylinder marking requirements (e.g. hydro, VIP, Exemption stamp validation & user certification requirements), Identify Air re-fill rates, Identify SafeAir re-fill rates, Identify cylinder/valve malfunction symptoms, Emergency shut down procedures, Record keeping (where required) <p>Prerequisites: None</p>

BMT	N/A	Breathing Gas Maintenance Technician	Certified in the safe operation of the gas production equipment, to dispense pre-mixed gas into approved receivers, maintain filtration, storage vessels, install components and service the gas system in general. Not certified to perform gas blending or Oxygen cleaning	<p><i>Breathing Gas Maintenance Technician- (BMT)</i>, Note: This individual will be trained to correctly refill cylinders with pre-mixed gas and to follow all guidelines necessary to minimize the associated risks.</p> <p>Sample Topics Covered:</p> <ul style="list-style-type: none"> Identify compressor types, Identify compressor system engineering (multi stages, intake & exhaust valve functioning, inter-stage pressure relief valve purpose, cooling, intake filter & placement, flow characteristics, check valve placement), Changing compressor oil, Identify components and maintenance of proper filtration system (all components, chemical choices & quantity, change-out requirement symptoms/time-tables & procedures), Taking a gas-sample, HP Plumbing basics (SS tube, SS fittings, Flex-tubing & fittings), Storage bank theory & maintenance <p>Prerequisites: BDT</p>
Leadership & Instructor				
Code	Level	Title	Certification Limitations	Course Description
CDM	II	Certified Divemaster	The Divemaster may directly supervise and control <i>certified divers</i> , direct and guide dives, conduct underwater tours and assist, as defined by ANDI, the instructor or assistant instructor during all phases of training	<p><i>Divemaster- (CDM)</i>, Text : CDM Student Manual by Charlie Johnson</p> <p>The ANDI Certified Divemaster program meets the requirements of the EUF standard for a Level-III diver (ref: EUF). This course prepares the candidate to oversee certified divers to the level which the Divemaster is rated and conduct U/W tours for the same. Experience in all aspect of diver supervision and logistics (such as cylinder re-fill & emergency procedures etc.) are covered. The Divemaster has no certifying authority.</p> <p>Prerequisites: 18 years or older, Have at least 60 logged dives, Rescue Diver certified, and ANDI Dive Medic or equivalent certified.</p>

SDM	II-V	SafeAir Divemaster	May directly supervise and control <i>certified divers</i> , direct and guide dives, conduct underwater tours and assist, as defined by ANDI, the instructor or assistant instructor during all phases of training to the SafeAir level they have achieved.	<p><i>SafeAir Divemaster- (SDM)</i>, The ANDI SafeAir Divemaster is an earned rating for any CDM who has also completed Various SafeAir ratings as a user. The purpose of the rating is to allow the qualified divemaster the authority to serve as an organizer and leader for diving levels they have experience in which provides insurance possibilities where required</p> <p>Prerequisites: 18 years or older, Have at least 60 logged dives, CDM certified, and ANDI Dive Medic or equivalent certified. The level they may operate at depends on what level of SafeAir training they have received.</p>
Leadership & Instructor				
Code	Level	Title	Certification Limitations	Course Description
ASI	II	Assistant Openwater Instructor	May assist OW Instructors in the training of divers, guide and supervise divers-in-training and teach specific skills / topics in accordance with ANDI standards	<p><i>Assistant Openwater Instructor- (ASI)</i>, Text : ASI Student Manual by Charlie Johnson The ANDI Certified Assistant Instructor program meets the requirements of the EUF standard for a Level-I Instructor (ref: EUF) however under the ANDI system they have no certifying authority. This course may be viewed as an ITC (Instructor Training Course) which prepares the candidate to attend an IEC (Instructor Evaluation program) conducted by an IT in order to become an ANDI OWI. It consists of some theory and testing plus hands-on work in conducting all aspects of the ANDI OWD program while being supervised by an ANDI AOWI.</p> <p>Prerequisites: 18 years or older, Sponsored by an ANDI facility, Have at least 75 logged dives, ANDI CDM, All requirements of DMD current.</p>
OWI	II	Openwater Instructor	May train beginning divers, guide and supervise divers-in-training and teach specific skills / topics in accordance with ANDI standards.	<p><i>Openwater Instructor- (OWI)</i>, Text : OWI Student Manual by Ed Betts. The ANDI Openwater Instructor program meets the requirements of the EUF standard for a Level-II Instructor (ref: EUF). For the qualified candidate, this program may be viewed as an IEC (Instructor Evaluation Course) where the IT evaluates the candidate for fitness as an ANDI OWI. The OWIT doing evaluation must be a different individual than who conducted the ITC.</p> <p>Prerequisites: 21 years or older, Sponsored by an ANDI facility, Have at least 100 logged dives, ASI (or OWI from another agency), All requirements of DMD current, LSU.</p>

AOWI	II	Advanced Openwater Instructor	May train beginning and advanced divers, Divemasters and Assistant Instructors, guide and supervise divers-in-training and teach advanced diver courses, specific skills and specialty topics in accordance with ANDI standards.	<i>Advanced Openwater Instructor- (AOWI)</i> , This is a rating based on experience and prerequisites. Prerequisites: OWI with at least 4-years of experience, Qualified in at least four Openwater level Specialties, CSI certified, all requirements for DMD current.
LSI	I	Limited SafeAir Instructor	May train divers to use Nitrox mixtures of 32% and / or 36% to 30m (100fsw) during No-Stop-Required profiles with 2 cylinders and 2 gases	<i>Limited SafeAir Instructor- (LSI)</i> , Text : LSI Manual by Ed Betts. The LSI rating is most often a rating granted to qualified “Nitrox” instructors from other agencies wishing to cross-over to ANDI. In some cases it may be granted to individuals who have completed a CSI but are not ready to conduct a CSU program.. Prerequisites: 21 years or older, Sponsored by an ANDI facility, OWI (for cross-over add a “Nitrox Instructor” rating from recognized agency).
CSI	II	Complete SafeAir Instructor	May train divers to use Nitrox mixtures of 22% to 50% to 40m (130fsw) during No-Stop-Required profiles with 2 cylinders and 2 gases	<i>Complete SafeAir Instructor- (CSI)</i> , Text : CSI Manual by Ed Betts. The CSI course is a required course for all instructors wishing to conduct Level-II SafeAir programs and higher. It is ANDI’s opportunity to introduce the training philosophy, logistics of working with ANDI and define specific course requirements of the LSU and CSU programs. Generally speaking this is a two-day program. Prerequisites: 21 years or older, Sponsored by an ANDI facility, OWI
<p style="text-align: center;">Leadership & Instructor</p> <p>Note: All of the following ratings require that the candidate be first certified as a user and then work with an IT towards their certification as an apprentice in the conduct of other like-courses. Any given rating may have additional requirements</p>				
Code	Level	Title	Certification Limitations	
TSI	III	Technical SafeAir Instructor	May train divers to use all Nitrox and Oxygen mixtures to 50m (165fsw) performing decompression profiles limited to a max of 30 minutes deco-time and 9m (30 fsw) max stop depth, using 3 cylinders and 3 gases	

ERI	IV	Extended Range Instructor	May train divers to use SafeAir and Oxygen mixtures without limits on the decompression obligations, dive run times, number of cylinders or equipment configurations at a maximum depth of 50m / 165fsw or 4.5 ata PN ₂
TMI	V	Tri-Mix Instructor	May train divers to use SafeAir, Helium and Oxygen mixtures without limits. Course depth limit is 100m / 326fsw. Attainable depths are relative to experience levels and the quality of available technical support.
ALI	II	SafeAir Altitude Diver Instructor	May train divers to use all Nitrox mixtures (to 50%) to 40m (130fsw) performing altitude dives of No-Deco-Required profiles with up to 2 cylinders and 2 gases.
<p style="text-align: center;">Leadership & Instructor</p> <p>Note: All of the following ratings require that the candidate be first certified as a user and then work with an IT towards their certification as an apprentice in the conduct of other like-courses. Any given rating may have additional requirements</p>			
Code	Level	Title	Certification Limitations
CVI	II	SafeAir Cavern Instructor	May train divers to use all Nitrox mixtures (to 50%) to 30m (100fsw) performing No-Deco-Required profiles with 2 cylinders and 2 gases, RBS included, within the daylight zone of a cave entrance or cavern with less than 15m (50 fsw) of penetration. RBS required
CAI	III	Cave Diver Instructor	
CXI	IV	Cave Explorer Instructor, Level-IV	May train divers to use SafeAir and Oxygen mixtures without limits on the deco obligations, dive run times, number of cylinders or equipment configurations at a maximum depth of 50m / 165fsw or 4.5 ata PN ₂ within a cave environment
CXI	V	Cave Explorer Instructor, Level-V	May train divers to use SafeAir, Helium and Oxygen mixtures without limitations within a cave environment.. Attainable depths are relative to experience levels and the quality of available technical support
RBI	II	Rebreather Instructor	May train diver to use all Nitrox and Oxygen mixtures to 40m (130fsw) during No-Stop-Required profiles, using the rebreather system specified. No hard overhead / penetration permitted

TRI	III	Technical Rebreather Instructor	May train diver to use all Nitrox and Oxygen mixtures to 50m (165fsw) during decompression profiles limited to a max of 30 minutes deco-time and 9m (30 fsw) max stop depth, using the rebreather system specified. No hard overhead / penetration permitted
XRI	V	Exploration Rebreather Instructor	May train diver to use the specific rebreather system with Nitrox, Helium and Oxygen mixtures without limitations. Attainable depths are relative to experience levels and the quality of available technical support. No hard overhead / penetration permitted.
SWI	II	SafeAir Wreck Instructor	May train divers to use all Nitrox mixtures (to 50%) to 40m (130fsw) during No-Stop-Required wreck dives using 2 cylinders and 2 gases, RBS included and required. Penetration limited to the daylight zone of an entrance with less than 15m (50 fsw) of penetration
TWI	III	Technical Wreck Instructor	May train divers to use all Nitrox and Oxygen mixtures to 50m (165fsw) performing decompression profiles limited to a max of 30 minutes deco-time and 9m (30 fsw) max stop depth, using 3 cylinders and 3 gases within a shipwreck environment
<p style="text-align: center;">Leadership & Instructor</p> <p>Note: All of the following ratings require that the candidate be first certified as a user and then work with an IT towards their certification as an apprentice in the conduct of other like-courses. Any given rating may have additional requirements</p>			
Code	Level	Title	Certification Limitations
SAI	II	SafeAir Altitude Instructor	May train divers to use all Nitrox mixtures (to 50%) to 40m (130fsw) performing altitude dives of No-Deco-Required profiles with up to 2 cylinders and 2 gases.
CPI	N/A	CPR Instructor	May train individuals to provide Cardiopulmonary Resuscitation as part of on-the-scene First Aid to a victim displaying signs and symptoms consistent with their training. This rating must be renewed every 2 yrs
FAI	N/A	First Aid Provider Instructor	May train individuals to provide First Aid emergency assistance as part of on-the-scene aid to a victim displaying signs and symptoms consistent with their training. This rating must be renewed every 2 years.
OXI	N/A	Oxygen Administration Instructor	May train individuals to provide emergency Oxygen as part of on-the-scene first aid to a victim displaying symptoms consistent with their training. This rating must be renewed at least every 2 years.

DMI	N/A	Dive Medic Instructor	Instructor certified in Rescue Diver, CPR, First Aid and Oxygen Administration. May train individuals to provide emergency assistance or on-the-scene First Aid to a victim displaying signs and symptoms consistent with their training. This rating must be renewed every 2 years.
STI	N/A	SafeAir Technician Instructor	May train individuals to service and maintain equipment for Oxygen or Nitrox service in accordance with ANDI's Oxygen cleaning procedures, manufacturer guidelines and local regulations
GBI	N/A	Gas Blender Instructor	May train individuals to operate and maintain breathing gas production equipment approved for Air and mixed-gas breathing applications. Also, to produce breathing gas mixtures by means of approved procedures
MTI	N/A	Master Service Technician Instructor	May service all breathing equipment for all gases as authorized by the manufacturer. May conduct training and certify all levels of service technicians to ANDI Standards.
GTI	N/A	Gas Blender Technician Instructor	May train and certify Gas Blenders to produce breathing gases, operate and maintain breathing gas production equipment for mixed gas breathing applications including EAN, Heliox and Tri-Mix.
<p style="text-align: center;">Leadership & Instructor</p> <p>Note: All of the following ratings require that the candidate be first certified as a user and then work with an IT towards their certification as an apprentice in the conduct of other like-courses. Any given rating may have additional requirements</p>			
Code	Level	Title	Certification Limitations
HCI	N/A	Hyperbaric Chamber Instructor	Trained to operate the specific Hyperbaric Chamber and certify tenders and operators in accordance with ANDI's procedures, manufacturer guidelines, local safety regulations and good protocol. Proficiency must be renewed every 2 years.
DSI	N/A	Drysuit Specialty Instructor	May train divers in the correct use of dry suits, including emergency procedures, care and maintenance

Instructor Trainers		
Code	Level(s) Achievable	Title
	II	Openwater Instructor Trainer
	II	SafeAir Instructor Trainer
	III, IV, V	Technical Instructor Trainer
	III, IV, V	Cave Instructor Trainer
	N/A	Service Tech Instructor Trainer
	N/A	Gas Blender Instructor Trainer
	N/A	Oxygen Administration Instructor Trainer
	N/A	CPR Instructor Trainer
	N/A	First Aid Instructor Trainer
	N/A	Dive Medic Instructor Trainer
	II, III, V	Rebreather Instructor Trainer
	III	Technical Wreck Instructor Trainer
	III	Solo Diver Instructor Trainer
	II	Cavern Diver Instructor Trainer
	III, IV, V	Cave Diver Instructor Trainer
		Hyperbaric Chamber Operator Instructor Trainer