



IUC 401
TRAINING AND STANDARDS MANUAL

PART A
GENERAL PROCEDURES AND POLICY

PART B
DIVING COURSES

PART C
SNORKELLING COURSES

ISSUED BY	APPROVED BY NDO	INITIAL ISSUE DATE
TECHNICAL COMMISSION	<i>Ray Yeates</i>	01 JAN 2017

This page intentionally left blank.

RECORD OF REVISIONS

Revision Number	Revision Incorporated by	Signature	Date
1	Initial Issue		01.01.17
2	Ray Yeates TC		01.05.17
3	Ray Yeates TC		01.08.17
4	Ray Yeates TC		01.12.17
5	Ray Yeates TC		01.04.18
6	Ray Yeates TC		01.08.18
7	Ray Yeates TC		01.11.18
8	Ray Yeates TC		01.03.19
9	Ray Yeates TC		01.06.19
10	Ray Yeates TC		01.11.19
11	Ray Yeates TC		10.03.20
12	Ray Yeates TC		01.12.20
13	Ray Yeates TC		01.02.21

Revision highlights

Rev 8	P10 updated rule 2 and 10. P43-44 change to scuba test, P63 updated Advanced Club diver 45M, P80 new LD mod 2 test, P97 Mon 3 section updated.
Rev 9	Updated Rescue Test added mixed gas blender (and Instructor) course, corrected buddy breathing reference LD Mod1. Club Instructor section under review, S and R diver prerequisites. P39 Logging foreign dives for Club Diver
Rev 10	Added guidelines for supervision of divers under training and definition of open and sheltered water P40. Added Assistant Instructor Grade syllabus P66. Added clarification of Rescue certification requirement for Leading Diver course P77. Added qualification of non-diving SAR member P112. Added advance Nitrox Instructor grade P127. Removed remaining references to COMS.
Rev 11	Removed reference to National Club P11, Removed minimum dive requirements for Nitrox Diver P118, Replaced Diver 1* section
Rev 12	Updated DFR course structure P55. Amendment to Diver 2** minimum age P48. General course minimum age changed to CMAS standard P14. New logo inserted.
Rev 13	Updated guidance on Dive computer failure P12. Updated alternative to pool fitness test P22.

Training notices 2018/19/20/21

Notice No 1/2018	Updated buddy breathing procedure
Notice No 1/2019	Updated Rescue Course
Notice No 1/2020	COVID changes in some towing and gas sharing .
Notice No 1/2021	Updated COVID changes

This page intentionally left blank.

USING THIS MANUAL

If you find deficiencies in this manual or wish to highlight any areas or procedures that could be improved, please contact any member of the Technical Commission with your suggestions. The TC can be contacted through Head Office, and RDOs can be contacted directly, The Email is for head office is info@diving.ie

Technical Commission Members 2020

Member	Role	Responsibility
Ray Yeates	NDO	President of TC
Josie Fegan	Member	National Jury Coordinator
Damien Ryan	Member	National Incidents Officer
Don McCarthy		Documentation & Standards Officer, Equivalence
Anne Boyle	Member	National Exam Coordinator
Mark Stanley	Member	Rescue Diver
Thomas Moore	Member	TC Projects
Gearoid McCarthy	Member	TC Projects
Ger Haugh	Member	TC Projects
Maureen Brogan	National Snorkelling Officer	Snorkelling

RDO Members 2020

Edward Walsh	RDO North	086 7968843
Don Mc Carthy	RDO South	086 7968844
Ken Jackson	RDO West	086 7968845
Dom Traynor	RDO South West	086 7968847
Elaine Walsh	RDO South East	086 7968846
Stephen Mulhall	RDO Dublin South	086 7968842
Fidelma Carroll	RDO Dublin North	086 7968841
Matt Gleeson	RDO Midlands	086 7868848

TABLE OF CONTENTS

Part A General Procedures and Policies

RECORD OF REVISIONS	3
USING THIS MANUAL	5
TABLE OF CONTENTS	6
TECHNICAL COMMISSION RULES	11
TECHNICAL COMMISSION RECOMMENDATIONS	12
REBREATHER DIVERS	15
GUIDELINES FOR MIXED-GAS DIVING	18
DIVE BUDDIES, GRADES AND MAXIMUM DEPTHS	20
FITNESS TO DIVE	22
ATTENDANCE AT COURSES AND TESTS	23
CFT GUIDELINES FOR JURY PRESIDENTS	24
SUCCESS POLICY	32
REPEATS POLICY	35
APPEALS POLICY AND PROCEDURE	36
GUIDELINES FOR LOGGING FOREIGN DIVES AS PRE-REQUISITES FOR DIVING IRELAND QUALIFICATIONS AND DIVER EQUIVALENCE	39
GUIDELINES FOR THE SUPERVISION OF DIVERS UNDER TRAINING	40
INCIDENT AND ACCIDENT REPORTING	41

Part B Diving Courses

TRY-A-DIVE -----	44
DIVER (CMAS DIVER*) ISO 24801-2 -----	45
CLUB DIVER (CMAS DIVER**) ISO 24801-2-----	45
DIVER COX'N-----	51
DIVER COX'N INSTRUCTOR-----	53
DIVER FIRST RESPONDER -----	55
DIVER FIRST RESPONDER INSTRUCTOR -----	58
RESCUE DIVER-----	61
ADVANCED CLUB DIVER (DEEPER DIVING 45M) -----	65
ASSISTANT INSTRUCTOR -----	66
LEADING DIVER (CMAS DIVER***) ISO 24801-3-----	74
NATIONAL DIVER (CMAS DIVER****) -----	90
MONITEUR* (CMAS MON 1*) SPORT IRELAND ADVANCED INSTRUCTOR -----	91
MONITEUR** JUROR TRAINING-----	98
MONITEUR** -----	100
MONITEUR *** (CMAS MONITEUR***)-----	101
MONITEUR**** (CMAS MONITEUR****) -----	108
DRYSUIT DIVER COURSE PRACTICAL -----	109
SEARCH AND RECOVERY DIVER -----	112
SEARCH AND RECOVERY INSTRUCTOR -----	114
FULL FACE MASK EXPERIENCE -----	115
FULL FACE MASK INSTRUCTOR-----	117
NITROX DIVER (CMAS NITROX DIVER) ISO 11107 -----	118

Part B Diving Courses continued

NITROX INSTRUCTOR	120
ADVANCED NITROX DIVER	121
EXTENDED RANGE NITROX DIVER	124
ADVANCED NITROX INSTRUCTOR	127
EXTENDED RANGE NITROX INSTRUCTOR	128
GAS BLENDER (ISO 13293 NITROX LEVEL 1)	129
GAS BLENDER (ISO 13293 MIXED GAS LEVEL 2)	131
GAS BLENDER INSTRUCTOR (NITROX LEVEL 1 OR MIXED LEVEL 2)	132
INSTRUCTOR TRAINER (NITROX, ADVANCED NITROX OR EXTENDED RANGE NITROX)	133
SPECIALITY COURSE INSTRUCTOR REQUIREMENTS	134
VHF RADIO OPERATOR	135
UNDERWATER PHOTOGRAPHER	136
SEASEARCH	138
NAUTICAL ARCHAEOLOGY COURSES	141
RNLI DIVER SEA SURVIVAL COURSE	144
SNORKEL GRADES AND BUDDY CHART	146

Part C Snorkelling Courses

TRY SNORKELLING	147
SNORKEL SAFARI	149
SNORKEL SKILLS	152
ADVANCED SNORKEL SKILLS	155
SNORKEL INSTRUCTOR (ISO 13970)	158

Appendix 1

ISO Certification Certificate	168
--------------------------------------------	------------

ABBREVIATIONS

ABLJ	Adjustable Buoyancy Lifejacket
APD	Ambient Pressure Diving
AS	Alternate (air or gas) Source
BCD	Buoyancy Compensation Device
BD	Buoyancy Device
BSAC	British Sub Aqua Club
BT	Bottom Time
CCR	Closed Circuit Rebreather
CFT/IUC	Comhairle Fo Thuinn or Irish Underwater Council
CMAS	Confédération Mondiale des Activités Subaquatiques or World Underwater Federation
CO	Carbon Monoxide
CO ₂	Carbon Dioxide
CPR	Cardiopulmonary Resuscitation
DFR	Diver First Responder
DO	Diving Officer
EPIRB	Emergency Positioning Indicating Radio Beacon
ETR	Estimated Time of Return
EUF	European Underwater Federation
FFM	Full Face Mask
FO ₂	Fraction of Oxygen
GMDSS	Global Marine Distress Safety System
GP	General Practitioner
IANTD	International Association of Nitrox and Technical Divers
ITDA	International Technical Diving Association
ISO	International Standards Organisation
JP	Jury President
MOD	Maximum operating depth
NDL	No Decompression Limit
NDO	National Diving Officer
NSO	National Snorkelling Officer
O ₂	Oxygen
PADI	Professional Association of Diving Instructors

ppN ₂	Partial Pressure of Nitrogen
ppO ₂	Partial Pressure of Oxygen
PSA	Professional Scuba Association
RDO	Regional Diving Officer
RG	Repetitive Group
RIB	Rigid Inflatable Boat
RNT	Residual Nitrogen Time
SAC	Surface Air Consumption or Sub Aqua Club
SCR	Semi Closed Rebreather
SI	Surface Interval
SMB	Surface Marker Buoy
SO	Snorkelling Officer
SOLAS	Safety of Life at Sea
SAR	Search and Rescue
S & R	Search and Recovery
SRC	VHF Short Range Certificate
TC	Technical Commission
TDI	Technical Diving International
TO	Training Officer
VHF	Very High Frequency
VHF DSC	VHF Digital Selective Calling
VIP	Visual Inspection Programme

TECHNICAL COMMISSION RULES

Rules are compulsory diving practices determined by the Technical Commission as safety critical practices which must be observed at all times.

1. The minimum age for SCUBA training is fourteen (14) years.
2. All divers must undergo a diving medical examination at the intervals described in DIVING IRELAND form 409. It is the individual diver's responsibility to advise his/her Diving Officer of any change in their medical status or validity.
3. A buoyancy compensation device must be worn on all SCUBA dives.
4. Diver 1*s may only dive with diver 2* or higher grade.
5. A Diver 2* or higher grade may not lead more than two Diver 1* on open water dives.
6. All divers must have an Alternative Air Source*.

*An Alternative Air Source is interpreted as one of the following

1. an octopus regulator;
 2. an independent air supply and regulator
-
7. A personal flotation device must be worn by all occupants of boats, when in a boat which is 7 metres or shorter in length.
 8. All divers must annually complete the Fitness to Dive Test as outlined in the Fitness to Dive – [Water Fitness Test section](#).
 9. Club Diving Officers must ensure that all club diving and snorkelling activities comply with the rules, recommendations and procedures described in this manual (IUC 401).
 10. A certified Diver Cox'n must be on board and in charge of any dive boat at all times

TECHNICAL COMMISSION RECOMMENDATIONS

Recommendations are to be regarded as diving practices which should be followed and may only be deviated from in exceptional circumstances.

Section A - Active Diver definition

1. Dives to depths greater than 20 metres should only be carried out by Active Divers.
2. A diver is not considered to be an Active Diver if he/she has been laid off from diving for 13 weeks (90 days) or more.
3. Where a lay off from diving of 13 weeks or more has occurred, 3 snorkels (minimum 30 minutes' duration each) should be carried out prior to SCUBA diving. The first 3 SCUBA dives should be limited to a maximum depth of 20 metres.

Section B - Dive - Techniques and Organisation

1. Divers should never dive alone.
2. All dives in excess of 30 metres should be led by a diver of minimum Leading Diver grade with the exception that Advanced Club divers may dive together to 45M. (see [Dive Buddies, Grades and Maximum Depths](#)). Divers planning square profile dives below 30M should consider using an independent gas supply and regulator as a backup.
3. Any dive with an element of instruction must be led by an Instructor (Moniteur1* or higher grade, or Assistant Instructor under supervision).
4. Where dive tables are in use, their usage should be strictly in accordance with the instructions for the use of dive tables (issued by the TC) and detailed in the Dive Tables lecture on the Diver1* Course.
5. Where dive computers are in use, their usage should be strictly in accordance with the manufacturers' recommendations and instructions. Always use the same computer on dives within 24 hours and don't mix dive tables and computers within a 24-hour period.
Note:
 1. If a computer fails on a dive ,ascend to 6m at the standard ascent rate and stop for 5 minutes if you were inside NDL.
 2. If you were in a mandatory deco situation when the failure occurred ascend and stay at 6m for as long as possible.
6. Delayed SMBs should be deployed in areas of high boat traffic.
7. As far as is practical, Club Diving Officers should be of Leading Diver qualification or higher and have an in date DFR certificate.
8. The Club Diving Officer, for insurance purposes, should be informed in advance of all Club diving, snorkelling or boating activities.

Section C - Equipment

All diving equipment should be serviced and tested in accordance with manufacturers' recommendations. This service should be carried out at a facility or by a person authorised by the manufacturer of the equipment.

1. In addition to the above, dive cylinders require an inspection (VIP) every 2½ years and a hydrostatic test every 5 year.
2. Dive only with cylinders designed for underwater use.
3. Divers must plan to ensure that they have an adequate breathing gas supply and reserve for all dives. Breathing gas consumption can vary due to factors like cold, depth and exertion but a good rule of thumb is to plan a reserve of one third of the breathing gas available. In any case the diver should surface with a minimum of 50 Bar remaining in the cylinder for surface contingencies. Reserves are required for unforeseen circumstances and should not be used to extend dive time as situations can arise with you or your buddy at any stage during the dive. Take into consideration that a diver under stress following an incident could have a surface air consumption rate in excess of 50 litres per minute.
4. All scuba diving buoyancy devices must have
 - adequate means of oral inflation;
 - alternative means of inflation;
 - automatic overpressure relief valve;
 - effective dump valve;
 - minimum available buoyancy of 14 kg (30 lbs).
5. A scuba buoyancy device fitted with carbon dioxide (CO₂) cylinders should not be used.
6. Air purity tests should be carried out on club compressors every six months.
7. When diving from a RIB or inflatable boat, divers should fit fins first before other equipment.

Section D - Children Diving

1. Persons of 14 years and above may be included in the Diver1* Course and achieve Diver1* status. For all other courses the minimum age specified in the CMAS course standard shall be used. CMAS allows persons under 18 years to progress to Diver 2** standard.
2. Divers under the age of 16 must dive within the limits of their qualification and not dive deeper than 20m.
3. Divers under the age of 16 must be directly supervised in open water by a diver who has at least Club Diver qualification plus at least one year's diving experience after such qualification and is over the age of 18.
4. DODs are reminded of the Duty of Care, subject to risk assessment, to provide sites and conditions suitable for all the divers in the diving group and divers under 16 years must dive in sheltered waters.
5. Diver Cox'n under the age of 18 must be directly supervised by a Diver Cox'n who has at least one year's Diver Cox'n experience after qualification and is over the age of 18.
6. Where divers under the age of 18 are involved, all club members must be aware of the CFT Code of Conduct for Children's Underwater Sport.
7. Clubs should be aware of the National Vetting Bureau Guidelines. The guidelines are available in the Child Protection Section of Document Downloads on www.diving.ie.

Section E - Rebreather Policy

Safety Recommendations

The following recommendations have been produced in a bid to promote the safe integration of Semi Closed and Closed-Circuit rebreather within the club and DIVING IRELAND as a body.

The most important concept to be remembered is that no matter how well qualified a diver is on open circuit, a new rebreather diver becomes a diver under training and must again build and practice skills progressively, and be fully aware of all the dangers involved in going beyond the limitations of their training and experience.

All diving activities expose us to an element of risk and rebreather diving increases complexity; therefore it must be emphasised very strongly that the guidelines laid down by the manufacturers and DIVING IRELAND must be adhered to rigidly when diving with a rebreather.

REBREATHER DIVERS

DIVING IRELAND prerequisites for rebreather training are minimum Club Diver, Rescue Diver and Advanced Nitrox or international equivalents recognised by DIVING IRELAND. All CE Approved Rebreathers are approved for use by DIVING IRELAND.

All training must be completed by an instructor from a recognised Technical Training Agency which has approval from the rebreather manufacturer to conduct training on the unit.

Skills Practice

A rebreather diver should regularly practice skills taught on their Rebreather Recognition course. Most importantly, shut down, gas switch i.e. bail out skills.

Pre-Dive Checks

Pre-dive checks should be conducted in accordance with the unit specification and training.

Cylinder Pressures

The same rules apply to rebreathers as with open circuit scuba equipment. The dive should begin with a sufficient amount of gas in all cylinders to carry out the planned dive. Divers should return to the surface with sufficient reserve in accordance with unit specifications and manufacturers' recommendations. Contents gauges and pPO₂ levels should be regularly monitored throughout the dive.

Buoyancy

Rebreather divers must ensure that they have sufficient buoyancy to support them on the surface and at depth with full configuration of kit i.e. redundancy cylinders etc. The rebreather diver's buoyancy devices should be run from separate sources to ensure redundancy. Sufficient redundancy must also be considered in the event of a flooded breathing loop.

Buddy Diving

It is recommended that while a rebreather diver builds up experience on their unit (at least 100 hours dive time), their buddy should be at least an experienced Club Diver.

It is important to ensure that the buddy of a rebreather diver is familiar with the unit so that in the event of a problem the buddy can assist their partner. Although not essential, it is preferable if the buddy has trained as a rebreather diver or has completed the try-a-dive on the unit in a swimming pool.

Proper buddy checks on gas and pPO₂ levels must be maintained throughout the dive

Breathing

It is very important that rebreather divers breathe freely and normally, i.e. keep the flow going in the loop, this will increase the CO₂ scrubbing and help to avoid hypercapnia.

Alternative Gas Source

It is recommended that all rebreather divers should carry sufficient open circuit gas to allow a safe return to the surface in the event of a complete rebreather failure. An open circuit regulator may be connected to the oxygen cylinder of a Closed-Circuit Rebreather. If one is attached then the second stage must be clearly marked and have an isolator device fitted, i.e. slider shut off valve or similar. Gas supply should be worn on a 'rich right, lean left' basis.

Diluent Gas

The diluent gas may be air, Nitrox, or a helium mix (depending on a diver's qualifications and the rebreather type).

Air diluents should not be used below DIVING IRELAND's maximum depth recommendations or in accordance with the diver's qualifications (whichever is the shallower).

Oxygen Gas

All oxygen used in rebreathers should be of the correct breathing grade.

Descent

The recommended set point of O₂ must be set prior to entering the water, and again on reaching target depth when diving CCR. When diving with a rebreather, in order to prevent task loading and oxygen spiking it is important that the descent is done slowly.

Bubble Check (Leak Check)

Bubble checks must be performed to identify any source of leakage and must be carried out no deeper than six metres. Note: semi-closed rebreathers will emit a trickle of bubbles throughout a dive.

Ascent

As with scuba, the recommended rate of ascent is 10 metres per minute. On Closed Circuit rebreathers, a slow controlled ascent is important in order to avoid a drop in the pPO₂ in the breathing loop, which can cause hypoxia. It is also important to allow proper venting of the breathing loop in order to avoid becoming positively buoyant.

Delayed Surface Marker Buoy

CFT recommends that an SMB be carried by all rebreather divers (two for extended range dives one red and one yellow). As there are no bubbles for the boat to track, the deployment of an SMB is a clear indication of position and intent to surface.

If possible, the SMB should have an independent means of inflation.

Repetitive Diving

It is important for rebreather divers that particular attention is taken regarding their O₂ uptake. It is essential to ensure that the National Oceanic and Atmospheric Administration's oxygen exposure table is strictly adhered to as with Nitrox Diving.

Cover Divers

It is recommended that divers covering rebreather divers be familiar with rebreathers. It is also recommended that they be qualified to at least Club Diver level.

Dive Planning and Organisation

When a rebreather diver(s) is in the group it is very important that the dive plan and emergency plan are gone through thoroughly so that in the event of an accident/incident everyone knows exactly what to do. This should be normal practice, but more attention is required because of the nature of the group.

Stage Decompression

Stage decompression diving should not be practised unless the diver has completed DIVING IRELAND's Extended Range Nitrox course or a recognised equivalent. If stage decompression is planned it must be carried out using recognised decompression computer and/or decompression software. The diver must have a bail-out plan and carry with him an adequate bail out supply of gas to enable him to cope with any foreseeable emergency situation that may arise. This type of diving should be carried out in accordance with Extended Range Nitrox guidelines

Dive Site

Diving involving hard work by the diver i.e. heavy seas, strong tidal conditions must be avoided by rebreather divers. This is because of the danger of a CO₂ build up in the breathing loop of the unit.

Boats

When covering divers on rebreathers the boat Cox'n must pay particular attention when manoeuvring the boat as rebreather divers produce very few bubbles, if any. Rebreathers are "Life Support Equipment" and must be treated with respect on the dive boat.

Care and Maintenance

Particular attention must be paid to O₂ cells. It is important that these must be dried off, removing any condensation build up after every dive. The manufacturer's recommendation regarding the changing of O₂ cells at intervals must be followed.

CO₂ Absorbent material

It is imperative that the manufacturer's recommendation regarding the type of absorbent material and duration is followed to the letter.

Hygiene

It is important to disinfect the breathing loop in accordance with the manufacturer's recommendations using the proper solution.

The breathing loop must be thoroughly washed and disinfected after each use to avoid lung infection.

Rebreather use during courses and tests

Rebreathers may be used in all DIVING IRELAND courses and tests (except Rescue Diver tests) by either the instructor and/or candidate, provided both parties consent. This should be arranged in advance of the course/ test.

If a candidate in any way feels intimidated by an instructor using a rebreather during a test, then the test should be carried out on open circuit.

GUIDELINES FOR MIXED-GAS DIVING

Mixed Gas Divers

Mixed Gas divers must have a mixed gas qualification from a recognised training agency. The diver should register their qualification with DIVING IRELAND Head Office. Technical divers should only use gas mixes for which they hold a recognised qualification. They may only dive to the depth permitted by their qualification. CFT insurance is valid only for dives to a maximum of 50M.

Skills Practice

Mixed Gas divers should regularly practise skills acquired during their training course which may need to be employed in case of incidents. These would include removing and replacing stage cylinders, breathing from Buddy's octopus, or from bailout cylinders in the case of rebreathers. Divers should be familiar and comfortable with their equipment configuration before they use it for deeper dives. As it may not always be possible to return to a shot line for ascent, ascents using an SMB should be practised.

Pre-Dive Preparation

A decompression schedule must be prepared and brought on the dive. Where a dive computer is being used to calculate decompression requirements, backup tables must be carried for use in event of computer failure or dual computers should be used. Dives may be backed up by appropriate custom software generated tables. In the case of a CCR diver, a decompression schedule must be carried which covers the requirements for a bailout to open circuit in the last minute of the bottom time. Calculate the gas requirements for the dive. Know your RMV and allow for this increasing with workload and stress. CCR divers should carry enough bailout to complete the appropriate decompression in the event of bailout being required in the last minute of the bottom time. Open circuit divers should use the Rule of Thirds.

Decompression

All decompression stops should be carried out using a suitable decompression system, static line, decompression trapeze or a minimum of a delayed SMB. For the longer decompression schedules, the use of a decompression station is recommended as spare gas can be attached to the system and the entire dive team is together. It also assists the surface team, who only have to monitor one decompression station. A system of counting divers onto the station should be used.

Buoyancy

Divers must ensure they have sufficient buoyancy to support themselves on the surface and to give positive buoyancy at maximum depth when fully kitted. They must have at least two independent means of buoyancy.

SMB

Two SMBs (1 red, 1 yellow) and two reels must be carried by the diver. The yellow SMB is to be deployed when it is intended to indicate to the surface that there is a difficulty.

Equipment

All primary equipment should be in duplicate. Two cutting devices should be carried by each diver.

Drysuit Inflation

The inflation gas for drysuits must not be a helium mixture.

Buddy Diving

Buddies must be familiar with each other's setup. Due to the nature of the equipment setup, this will need even more attention than for air or nitrox dives. The buddy must know at what depths the gas supplied through each first stage can be used. Divers with a mixed gas qualification may choose to use helium based mixed gas for dives less than 50m range. If their buddy is using air or nitrox, the buddy must have enough gas to complete the ascent profile required of the mixed gas diver, particularly allowing for deep stops.

Gas Mixes

The maximum inspired PO_2 is 1.4. except during decompression when a PO_2 of 1.6 may be used. The DIVING IRELAND limits for oxygen exposure must not be exceeded. The END must comply with the CMAS standard. All dives must be carried out with a maximum PN_2 of 4.0 Bar. Cylinders must be clearly labelled with their mix and MOD. Any second stage supplying 100% oxygen must have an inhibitor to prevent accidental use, and be clearly marked.

The diluent gas of a CCR may be a helium mix. Gas supply should be worn on a 'right rich, left lean' basis.

Descent

The descent should be conducted at a rate that allows proper buoyancy control and in the case of rebreathers, maintenance of setpoint. A bubble check must be performed before descending below 6M.

Dive Plan/Emergency Plan

The rule of 'Plan your dive, dive your plan' is particularly important in mixed gas diving. A clear dive plan and emergency plan must be in place.

Mixed gas divers must give their dive plan and appropriate explanation to the DOD before commencing the dive.

Surface Support

Depending on the type of dive being performed, consideration must be given to what surface support is required. This should include number and type of boats and the crew and equipment available. There should at least be a Diver First Responder or similarly qualified person on board at all times during the dive and they should be familiar with the oxygen kit and first aid kit available. There must be a functioning VHF radio and competent operator on board each boat. The divers may have, as part of their dive kit, 100% oxygen available to them. The support team should know how to access this.

DIVE BUDDIES, GRADES AND MAXIMUM DEPTHS

Please see tables below for minimum grade of your dive buddy to allow you to dive within DIVING IRELAND. Please note that you must have a buddy to dive.

Read across the top row and select the dive qualification that you have. Then read the first column to select the grade that your buddy is. Where the two qualifications intersect on the grid that is the max depth to which you are permitted to dive.

Example 1: I am a Club diver; my buddy is also a club diver. We can dive together to a max of 30 metres.

Example 2: I am an Instructor and my buddy is a Trainee. We can dive together to a max of 10 Meters.

		I am a...															
		Beginner "Try a Dive"	Trainee	Diver *	Club Diver **	Advanced Club Diver	Leading Diver *** National Diver ****	Instructor	Nitrox Diver	Advanced Nitrox Diver	Extended Range Diver						
My buddy is a...	Beginner "Try a Dive"	No Dive						5 M Max (3) 1:1	No Dive unless Instructor 5 M Max (3) 1:1								
	Trainee							10 M Max (3) 1:1	No Dive unless Instructor 10 M Max (3) 1:1								
	Diver *	No Dive		25 M Max (1) 1:2	30 M Max (2) 1:2	30 M Max 1:2	No Dive unless minimum Club Diver 25 M Max (1) 1:2 or minimum Advanced Club Diver 30 M Max (2) 1:2										
	Club Diver **			25 M Max (1) 1:2	30 M Max (1) 1:2	No Dive unless minimum Club Diver 25 M Max (1) 1:2 or minimum Advanced Club Diver 30 M Max (2) 1:2											
	Advanced Club Diver	30 M Max (2) 1:2	30 M Max (1) 1:2	30 M Max (5) 1:2	30 M Max (5) 1:2									30 M Max (5) 1:2	30 M Max (5) 1:2	30 M Max (5) 1:2	30 M Max (5) 1:2
	Leading Diver *** National Diver ****	30 M Max (2) 1:2		45 M Max (1) 1:2	45 M Max (6) 1:2									45 M Max (6) 1:2	45 M Max (6) 1:2	45 M Max (6) 1:2	45 M Max (6) 1:2
	Instructor	5 M Max (3) 1:1	10 M Max (3) 1:1	30 M Max	No Dive unless minimum Club Diver 25 M Max (1) 1:2 or minimum Advanced Club Diver 30 M Max (2) 1:2												

1. No element of instruction, pleasure dive only.
2. If element of instruction, buddy must be an Instructor (grade and/or speciality)
3. If aged between 14 and 18 years old, must be an Instructor who has signed child protection sign-off doc
4. Only during Extended Range Diver course and with an Extended Range Instructor
5. Club Diver or Advanced Club Diver with Nitrox Specialities
6. Leading Diver, National Diver with Nitrox Specialities, or Instructor Nitrox Specialities/Grades

In the case of Nitrox and Technical diving, please see attached grid tables for minimum grade of your dive buddy to allow you to dive within DIVING IRELAND. Please note that you must have a buddy to dive.

Read across the top row and select the dive qualification that you have. Then read the first column to select the grade that your buddy is. Where the two qualifications intersect on the grid that is the max depth to which you are permitted to dive.

I am a...

		Nitrox Diver	Advanced Nitrox Diver	Extended Range Diver	Nitrox Instructor	Advanced Nitrox Instructor	Extended Range Instructor	
My buddy is a...	Nitrox Diver	25 M Max (1) 30 M Max (2) 45 M Max (3) 1:2						
	Advanced Nitrox Diver							45 M Max 1:2
	Extended Range Diver			50 M Max (4) 1:1				
	Nitrox Instructor							50 M Max (4) 1:1
	Advanced Nitrox Instructor							50 M Max (4) 1:1
	Extended Range Instructor			50 M Max (4) 1:1				50 M Max 1:1

Example 1: I am a club diver with advanced nitrox qualification, my buddy is an extended range diver. We can dive together to a max of 45 metres.

1. 25 metres maximum if one of the diver is a Diver1 *
- NB: A Nitrox Diver * cannot dive with another Diver1 * without supervision of at least a Club Diver **
2. 30 metres maximum if one of the diver is a Club Diver ** or an Advanced Club Diver **
3. 45 metres maximum if all divers are at least Leading Divers
4. Only during Extended Range Diver course and with an Extended Range Instructor

Divers with qualifications obtained from other dive training organisations joining DIVING IRELAND are covered to dive to the depth of their certifying organisations qualification. A maximum depth of 50 meters applies to all grades and qualifications as per the medical commission directive. Suitably qualified technical divers diving to depth greater than 50 metres must make their own separate medical and insurance arrangements. Divers must register their qualifications with DIVING IRELAND head office.

FITNESS TO DIVE

Water Fitness Test

The water fitness test is required annually of all DIVING IRELAND divers. All diving members must demonstrate, without difficulty, the ability to complete three in-water exercises. The exercise may be carried out in a swimming pool or in a sheltered open water setting.

Upon completion of this test the Diving Officer must update each candidate's fitness test on Go Membership.

Pool Exercises

1. Snorkel or swim 200m without stopping within a 10 minutes' period (without fins).
2. Snorkel dive with fins and mask and fin a distance of 25m underwater.
3. Tow a snorkel diver 50m.

Or alternatively

Open Water exercises

1. Snorkel or swim 400m without stopping within a 10-minute time frame (with fins).
2. Tow a snorkel diver 50m.

General Guidelines

1. The test may be carried out by the Diving Officer or by his/her nominee.
2. Repeat testing should be at the discretion of the Diving Officer.
3. If any person becomes unusually breathless, the pool test must be stopped.

Note

Where an individual presents for DIVING IRELAND diving registration with a disability for which they are registered with bodies such as Enable Ireland or Rehab Care or is certified by a medical practitioner as having a disability that precludes them from being able to undertake the DIVING IRELAND Fitness to Dive test, but who otherwise is medically fit to dive, then the NDO and Chairman of the Medical Commission will jointly agree an alternative test specific to that individual. Contact the NDO or Medical Officer directly at ndo@diving.ie or medical@diving.ie or use the form available in the medical section of General Guidelines on the web download section.

ATTENDANCE AT COURSES AND TESTS

Prerequisites

A candidate must:

- Hold relevant Membership of DIVING IRELAND (e.g. for a course including diving activities). Full Diver Membership is required.
- Have completed Logbook.
- Be 'dived up'* for the chosen course. See course dive currency requirements.
- Have a completed Certificate Request form.
- Register for the course on Go Membership and submit the appropriate Course Fee.

100% attendance is required at all parts of a course.

Course Directors, Instructors and Jury Members must:

- Hold relevant Membership of DIVING IRELAND (e.g. for a course including diving activities). Full Diver Membership is required.
- Be 'dived up'* for the relevant course

* See individual courses for "Dived Up" requirements.

Failure to comply will result in non-participation in the Course/Test.

CFT GUIDELINES FOR JURY PRESIDENTS

Table of Contents

1. Introduction
2. JP Selection
3. Resources available to the JP
4. JP Preparedness
5. Principal Responsibilities of the JP
6. Documentation
7. General
8. The JP Briefing
9. The A-F Scoring System
10. Written Papers
11. Marking/scoring a lecture
12. Dissemination of Exam Results
13. Discipline
14. Incidents
15. Management of M** Candidates on Juries
16. Equipment
17. JP Meeting with candidates
18. Water-Work Assessments
19. Cover Divers
20. The role of the Cox'n in an examination setting
21. Post-Course Responsibilities of the JP

1. Introduction

The role of the Jury President (JP) is a responsible and onerous task. This document clarifies the role of the JP and makes recommendations to assist the JP in preparing for an upcoming examination.

A JP is required for all components of the following:

- Rescue Diver
- Leading Diver
- Moniteur* Test
- Moniteur** Jurors Course
- Moniteur*** Test

2. JP Selection

- JP appointments are made by the NDO
- A JP must be an M*** or M****
- A JP may have 'Sub Jury Presidents', also appointed by the NDO, to assist in the case of Leading Diver
- A JP must hold Full Diver membership of CFT
- A JP must be an 'Active Diver' for the year / test in question

3. Resources available to the JP

Prior to attending any examination, JPs should download the relevant “JP Pack” from the downloads section of the website. This pack includes a number of documents:

- Candidate Attendance Sheet
- Examiner Attendance Sheet
- Moniteur* Attendance Sheet
- Results Sheet
- Incident Form
- Near Miss Form
- Appeals Procedure (from T&S Manual)
- Repeats Procedure (from T&S Manual)
- Examination Description (from T&S Manual)
- Guideline Notes for Examining Divers with Special Needs (from T&S Manual)
- Expenses Form

4. JP Preparedness

It is the responsibility of the JP to ensure that s/he is properly prepared for the examination:

- Logbook in order including membership card
- Water fit / dived up appropriately for the examination in question
- Fully conversant with CFT’s policies and procedures
- Fully conversant with the requirements of the exam as set out in C&TB
- Full conversant with CFT’s Repeats and Appeals Policies

5. Principal Responsibilities of the JP

The JP will be designated DOD on a test; however, s/he may delegate this if appropriate.

The JP has a casting vote in a discussion forum regarding a candidate’s scoring or in a 50/50 pass/fail deadlock among the jury.

The JP is specifically responsible for:

- The overall wellbeing and safety of all candidates and examiners at a CFT exam.
- Ensuring that the examination is carried out to CFT/CMAS/EUF Standard.
- Ensuring all candidates have complied with the relevant prerequisites to carry out any DIVING IRELAND exam.
- Ensuring that logbooks are inspected and in order for all candidates and examiners.
- Ensuring that all candidates and examiners are treated fairly and respectfully.
- Ensuring that all incidents, complaints etc. are managed appropriately.
- Communicating examination results to candidates, both successful and unsuccessful.
- Submission of exam scores to CFT to ensure certification is issued.
- Submission of all exam paperwork to the office for future reference in the case of an appeal.
- Ensuring that no ‘conflict of interest’ arises between any candidate/examiner.
- Ensuring that the jury behaves in a dignified manner and taking appropriate action (up to dismissal) where this is not the case.

6. Documentation

- The JP will ensure that all required documentation is fully completed.
- The JP (or his/her nominee) will record the name, DIVING IRELAND number and club of all (candidates *and* examiners) those involved in the test on the attendance forms described above.
- The JP must exclude a candidate from taking a test where his/her documentation is deemed to be incomplete or incorrect i.e. membership, insurance, fitness to dive, medical or medical disclaimer.
- The JP may prevent an examiner from participating on a jury where his/her documentation or preparation is deemed to be incomplete or incorrect.
- The JP will ensure that his/her own documentation and preparation are in order and made available for inspection by the NDO or his/her nominee.

7. General

- The JP should ensure the safety of all candidates and be aware of the risks of hypothermia, stress, exhaustion etc.
- The test should be carried out as timely and efficiently as possible, to minimise exposure risks.
- Some modifications of the test may be required in the event of very low visibility. Such modifications should be made by the JP in consultation with the NDO.
- The JP may stop or curtail the test at any stage if s/he feels it is in the best interest of safety.

8. The JP Briefing

- The JP should ensure that examiners and candidates understand the role of the JP.
- The JP should ensure that CFT standard is maintained.
- The JP should ensure that all candidates are treated fairly and to the same standard.
- The JP should manage any issues, concerns or incidents that might arise.
- The JP should ensure that both candidates / examiners are fully conversant with the content and sequence of the test(s) being carried out.
- As with all dives, the JP should ensure that a dive brief takes place, covering weather, tides etc., followed by a debrief and that the Dive Logs are preserved as part of the examination documentation.

9. The AF Scoring System

- The JP should give guidance to the jury members on scoring oral and practical tests. The following should be used as a guide:

Per cent	Letter Grade equivalent	Descriptors	Result
90 – 100%	A	Superior Competencies – strong knowledge and skills demonstrated. All aspect of the assessment performed with ease	Successful
80 – 89%	B	Competencies at a very high standard	Successful
70 – 79%	C	Adequate competency, average performance, without special note	Successful
60 – 69%	D	Barely acceptable competence. Safety not compromised	Successful
50 – 59%	E	A low standard of competence. Has not demonstrated the knowledge of skills consistent with the grade	Unsuccessful
0 – 49%	F	An unacceptable level of performance or safety compromised.	Unsuccessful

The above table is not appropriate for use in written theory papers (LD and M***) where 70% (B) is the pass mark for Dive Management and 60% (C) for Physics, Physiology and General Knowledge

10. Written Papers (theory and dive plan)

This section refers to written papers such as theory / dive plan. JP should ensure that facilities for the written papers are adequate. These include:

- adequate light and heat
- adequate desk space with sufficient distance between candidates
- a quiet environment with no distractions
- one exam invigilator to ensure the papers are distributed, collected and any queries resolved
- The JP will ensure that candidates are instructed not to put their name or any identifier on their exam paper; a random number of series should be formulated by the JP rather than CFT number, for all written papers.
- JP will ensure that written papers are run to schedule, with proper supervision and invigilation. Candidates should be reminded of when there are 20, 10 and 5 minutes left in the session.
- On completion of a written paper session, the JP will distribute exam papers/marking sheet among the jury members for scoring. At least two examiners should mark each paper, regardless of the score assigned. Where a paper is marked below the pass mark by two such examiners, the JP will delegate a third examiner to re-mark to satisfy him/herself that the paper was scored correctly and fairly.
- No candidate will be permitted to re-sit a written paper during the course of the examination. Refer to section “Repeats Policy.”
- Scores approved by the JP will be entered on the score spreadsheet and considered as ‘final’.

11. Marking/Scoring Lecture (M* or M*)**

- JP will assign lecture sessions among the jury on a random basis
- S/he will ensure that examiners attend on time and behave in a courteous and professional manner.
- Scores will be collected by JP and entered on the exam spreadsheet.
- Numeric scoring will be used in determining the grade awarded to a lecture
- The JP may rotate throughout the various classrooms to ensure there is consistency in testing standards.

12. Dissemination of Exam Results

- The JP should ensure that no preliminary exam scores are given to candidates during the examination process,
- No written feedback, other than the candidate's score sheet should be given to the candidate.
- Results sheets and marking sheets, corrected examination papers etc. should not be shown to candidates. Such material must be retained, submitted to Head Office and may be viewed only as part of the Appeals Process.
- Examination results should be communicated to candidates as soon as possible after a test has taken place.
- The JP should present examination results verbally, with an accompanying score sheet for each candidate; the JP may deem it appropriate to have one or more jury members present.
- It is acceptable for results to be issued to a group of candidates, provided that all have passed.
- It is unacceptable for results to be issued to a group of candidates, where not all candidates have passed.

Where a JP is in a position that s/he has to inform a candidate that s/he was unsuccessful in an exam or in a component of an exam, the following should be borne in mind:

- Such a forum should be private and out of earshot of and away from onlookers
- A second experienced examiner should be present
- Set out clearly to the candidate the reasons why s/he was unsuccessful. Ensure that unsuccessful candidates understand the reasons for their unsuccessful performance
- Unsuccessful candidates should be treated sensitively and with respect. JP should show empathy and listen carefully to the candidate during a debriefing session.
- Unsuccessful candidates should be directed to CFT's policy on Repeats and Appeals.
- It is the responsibility of the JP to ensure that any discussions with unsuccessful candidates are fully documented, for reference in the event of an appeal
- A copy of the Results Sheet will be retained by the JP in his/her possession as it may be required in the event of an appeal

13. Discipline

The JP reserves the right to dismiss any candidate or examiner if the JP determines that the candidate/examiner has:

- Compromised the safety of the examination
- Behaved in an inappropriate manner
- Treated candidates or examiners unfairly
- Brought the Jury or CFT into disrepute

14. Incidents

Staged Incidents

- Staged incidents for the purpose of examination may only be carried out at the discretion and under the direction of the JP.
- JP should emphasise that no 'in water incidents' will be staged and therefore any such incidents should be treated as real emergencies / incidents.
- The JP should ensure that the number of staged incidents is limited so as not to interfere with the orderly running of the test.
- All unapproved staged incidents must be reported to the JP and onwards to the NDO.

Real Incidents / Emergencies

- The JP should ensure that all candidates and examiners are able to differentiate between a 'staged' and a 'real' incident or emergency.
- Unlike 'staged' incidents, 'real' incidents / emergencies will involve the use of hand signals (e.g. to alert Cox'n) and use of VHF radio.
- Any real incident/emergency/near miss should be reported via the normal Incident process and directly to the Incidents' Officer.

15. Management of Moniteur*s on Juries

- M*s should, as far as possible, be given sufficient exposure to allow him/her to develop instructor / examiner skills.
- The JP should delegate an M** or M*** jury member to manage the M*s to ensure that they have a positive learning experience.
- M*s should be asked for feedback on their experience.

16. Equipment

- The JP should satisfy him/herself that all examination equipment being used on an examination is in good working order. This can be done by nominating a Site Equipment Officer.
- The JP should satisfy him/herself that all safety equipment is in good working order.
- All boats presented for use during CFT exams must be approved by the JP (or a nominee) as per procedures, before being removed from trailers for launch.
- Where resuscitation mannequins are used, the JP will be responsible for ensuring that mannequin hygiene standards are observed and implemented.

17. Jury President Meeting with Candidates

On Leading Diver and Moniteur*** assessments, the JP is required to meet with examination candidates as a group. This meeting should be held as early as possible after all the day's exercises have been completed and when candidates/jury members have had an opportunity to reflect on the day.

The purpose of the meeting is for the JP to gain an insight into how the group is progressing. This should primarily be a listening exercise. S/he may also offer general advice or motivation in a positive constructive manner. This is NOT an opportunity to berate or belittle the candidates.

The JP should also, without compromising his/her position, attempt to deal with specific issues that might arise if necessary by meeting individual candidates. Individual meetings should be in the presence of another experienced examiner.

(a) Leading Diver

The JP should arrange a meeting with the group of LD candidates on Saturday evening of the test weekend

(b) Moniteur***

The JP should arrange a meeting with the group of M*** candidates every evening during the test week.

18. Water Work Assessments

- The JP should ensure the safety of all candidates and be aware of the risks of hypothermia, stress, exhaustion etc.
- The test should be carried out as timely and efficiently as possible, to minimise exposure risks.
- Some modifications of the test may be required in the event of very low visibility; such modifications should be made by the JP in consultation with the NDO.
- The Jury President may stop or curtail the test at any stage if s/he feels it is in the best interest of safety.
- As with all examinations the JP should be aware of the effect that stress might have on a candidate.
- Exercises may be repeated where time, conditions and safety considerations allow.

19. Appointing Cover Divers

Some DIVING IRELAND exams require a 'cover diver'. The role of the cover diver is to anticipate any problems that might arise as a buoyant lift or similar exercise nears the surface. The cover diver will act as a 'brake' to prevent a rapid or uncontrolled ascent from breaking the surface prematurely. The following safety concerns should be addressed:

- The cover diver must be an experienced Rescue Diver
- The cover diver should be fully briefed and should complete a buddy check
- A standby diver should be appointed to communicate with the cover diver, should the need arise

20. Appointing a Cox'n

Frequently, the Cox'n assisting with an assessment is not a member of the jury. However, while the Cox'n should be fully included in all briefing sessions, his/her role should be made clear to all, i.e. that s/he is assisting with boat handling but is not a member of the Jury and will not in any way participate in or contribute to the examination process.

On a Leading Diver test weekend the JP should ensure that as far as is practical each candidate should operate as Cox'n on at least one occasion.

21. Post Course Responsibilities of the JP

- Course evaluation forms should be distributed and collected *prior* to revealing the results of the examination.
- The JP should furnish a report of the examination to the NDO within seven days of the examination; any significant events occurring during a test should be advised to the NDO. If there is nothing of note to report then the report can be simply that.
- The JP should liaise with the RDO to ensure that examiners are issued with Expense Sheets.
- Completed forms should be signed by examiner and co-signed by JP/RDO in advance of submission to Head Office.
- The JP should seek feedback from all parties following completion of the exam including general debrief with all candidates, M**/M*** and M*assisting.

Finally, the JP should ensure that dive site, premises, classrooms etc. are left as they were found.

SUCCESS POLICY

A successful grade is A, B, C or D.

One F grade in any aspect of a test indicates a failure for the whole test.

Rescue Diver

Practical

1. Carry out free ascent to 15m, stop and return to 20m.
2. Lift the victim from 20m to the 6m mark.
3. Support the casualty on the surface for a period not less than 3 minutes
4. Remove casualty from water into boat demonstrating rescue management
5. In sheltered water tow victim 100m.
6. Land victim on shore and demonstrate Shore Management

A successful grade must be achieved in all the above.

Oral Test:

1. CPR, AED and O2 administration
2. Emergency Plan: All candidates should present a completed emergency plan for the test dive site to the Jury President during the exam.
3. Questions – No more than 15 minutes of questions – 12 questions, of which 10 must be answered correctly

Successful grade must be achieved in CPR, AED and O2 administration and in least one of the other two.

Leading Diver Weekend

Diving Practical:

1. The 20-30m Pleasure Dive or Module 2 40m Dive
2. The 20m Dive
3. The 30m Dive
4. The Emergency Situation
5. Organisational Ability
6. Overall Safety

A successful grade must be achieved in all of the above.

Oral Test:

1. Compressor operation.

Moniteur *

1. Presentation of module lecture
2. Presentation of non-module lecture
3. In-water practical instruction (confined water)
4. In-water practical instruction (open water)

A successful grade must be achieved in all of the above – Pass mark for Module Lecture is 70%.

Moniteur ***

Swimming/Snorkel:

1. Breath holding test. With your face in the water, hold your breath for 20 secs, surface for 10 secs and repeat for 20 secs.
2. Snorkel 1500 metres without difficulty.
3. Fin 1000 metres in full equipment, properly weighted.

Successful grade must be achieved in all of the above.

Scuba Diving:

1. The candidate will be required to demonstrate compass work during the course of the week.
2. Rescue a diver from 30 metres. This dive will be terminated at the 6 metre mark to allow for decompression stops. The rescue may be continued on the surface after that time.
3. Demonstrate a surface tow and land the victim into a boat.
4. Demonstrate alternate air use while on the move.
5. In full equipment, ascend from 30 metres without the use of fins.
6. Remove mask and swim beside the examiner for 2 minutes at depth.
7. Carry out a free ascent from 30 to 15 metres in not less than 1 minute. A shot line will not be used. The mouth piece will be retained in the mouth.

Successful grade must be achieved in the Rescue lift and at least 5 of the remaining 6 above.

Instructional:

1. Lead a dive to 45 metres demonstrating safety. On the bottom test signals and tie a knot in a rope.
2. Instructional dive. Introduce a Diver1* to his first 20m dive.
3. Teach a skill to a Diver1* under sea conditions i.e. buddy breathing, buoyancy etc.

A successful grade must be achieved in all of the above.

Practical:

1. Lead a discussion for 15 minutes on a topic, test or course as designated by the Jury President.
2. Demonstrate his/her ability to assess the water skills as preformed at Rescue Diver Tests and to grade them appropriately.
3. Weather & Tides,
4. Charts, Knots & Ropes,
5. Compressors
6. Diving Equipment

A successful grade must be achieved in at least five of the above six.

7. First Aid and the Treatment of Diving Accidents, CPR, AED and O₂ Administration
8. Decompression, Computers, Dive Tables,

A successful grade must be achieved in both of the above two subjects.

Candidates may not have more than one E grade from all Sections.

REPEATS POLICY

The following rules apply to the written papers which form part of the Leading Diver, Moniteur* and Moniteur*** examinations.

1.	Fail to obtain 70% on Dive Management paper	repeat paper
2.	Fail to obtain 60% but obtain 45% or more in just one of General Knowledge, Physiology or Physics but obtain an aggregate of at least 180 percentage points in all three:	no repeat necessary
3.	Fail to obtain 45% in just one of General Knowledge, Physiology or Physics but obtain an aggregate of at least 180 percentage points in all three:	repeat one paper (and achieve more than 45% and aggregate of 180).
4.	Fail to obtain 60% in just one of General Knowledge, Physiology or Physics and obtain an aggregate of less than 180 percentage points in all three:	repeat all three.
5.	Fail to obtain more than 45% on two or more of General Knowledge, Physiology, or Physics:	no repeat allowed
6.	Fail three or more of the four papers	no repeat allowed

Note:

There is no failure rate or grade-distribution curve; all papers are marked to the same standard.

APPEALS POLICY AND PROCEDURE

CFT will permit an appeal from a candidate who was unsuccessful at a test.

Where a candidate does not agree with the marks awarded to him/her in an examination s/he may follow the relevant procedure below.

Guidelines for Appealing Written Examination

Submission

1. Download the Appeals Form – Written Examination from the CFT website (www.diving.ie), complete and submit to the NDO to request a re-check of a written (theory) paper where the final marks awarded in that paper were below the required pass mark
2. Submissions must be made within 30 days of examination date and be accompanied by the appropriate Appeals fee.

Appeals Committee Guidelines (Written)

On receipt of a completed examination Appeals application, the following procedures will apply:

1. The NDO will confirm receipt of the application to the candidate as soon as possible. The NDO (or his/her nominee) will be responsible for the subsequent stages of the process.
2. The NDO will request the JP / Examiner(s) to arrange for the exam paper(s) in question to be sent to the NDO, together with marking sheet(s).
3. The NDO will nominate an Appeals Committee, comprising two diving members who are appropriately qualified to examine to at least the level of the examination in question. Nominees should be conversant with DIVING IRELAND's Training and Standards manual.
4. The Committee, where possible, will have a gender balance, regardless of the gender of the applicant.
5. Appeals Committee members should have had no previous involvement with the sitting of the examination in question and may not be from the same club as the applicant.
6. The Committee will report only to the NDO and will not engage with the candidate or any other party.
7. When the Committee has re-checked the paper, the Chairperson will notify the NDO of the result.
8. A re-marked paper may not produce a lower mark than the original mark; it can either stay the same or be upgraded.

Should an Appeal result in a subsequent pass mark being awarded to the applicant, appropriate arrangements will be made for records / certification update. In addition, the candidate will receive a refund of the Appeal fee.

The NDO will communicate the result of the Appeal directly to the candidate and will inform the relevant Examiner(s) /JP/ Course Director.

Guidelines for Appealing Practical/Oral Examination

Submission

1. Download the Appeals Form – Practical/Oral Examination from the DIVING IRELAND website (www.diving.ie), complete and submit to the NDO where the final score was below the required pass mark
2. Submissions must be made within 30 days of examination date and be accompanied by the appropriate Appeals fee

An application comprises the form, together with the appropriate Appeals fee and a letter to the NDO setting out in detail the grounds for appealing.

- If the Appeal relates to disagreement with the marks or grades awarded, the Appeals Committee will be asked to re-visit the exercise(s) to see if they believe the marks or grades awarded were fair and reasonable
- The Appeals form should not be used to deal with allegations of unfair treatment; a separate procedure exists for such situations; details from CFT Head Office

Appeals Committee Guidelines (Practical/Oral)

On receipt of a completed Appeals application, the following procedures will apply:

1. The NDO will confirm receipt of the Application to the candidate as soon as possible. The NDO (or his/her nominee) will be responsible for the subsequent stages of the process.
2. The NDO will request the Jury President / Examiner(s) to arrange for all exam materials and scores in questions to be sent to the NDO, together with the marking sheet(s) used. The NDO will nominate an Appeals Committee, comprising two diving members who are appropriately qualified to examine to at least the level of the examination in question. Nominees should be conversant with CFT's Courses & Tests Book.
2. The Committee, where possible, will have a gender balance, regardless of the gender of the applicant.
3. Appeals Committee members should have had no previous involvement with the examination in question and may not be from the same club as the applicant.
3. The Committee will report only to the NDO and will not engage with the candidate.
4. If it is the case that the applicant disagrees with the marks or grades awarded, the Appeals Committee will re-visit the exercise to see if they believe the marks or grades awarded were fair and reasonable. Please note that a "re-visit" does not constitute a re-marking or re-grading.
4. The Committee may contact, meet or interview, as appropriate, the candidate and all examiners whom it considers essential to its investigation. All such contact will be treated as confidential.

9. When the Committee has assessed the documentation and information available, the Chairperson will notify the NDO of the result of its deliberations.
9. Should an Appeal result in a subsequent pass mark being awarded to the applicant, appropriate arrangements will be made for records / certification update. In addition, the candidate will receive a refund of the Appeals fee.
10. The NDO will communicate the result of the Appeal directly to the candidate and will inform the relevant Examiner(s) / Jury President / Course Director.

GUIDELINES FOR LOGGING FOREIGN DIVES AS PRE-REQUISITES FOR DIVING IRELAND QUALIFICATIONS AND DIVER EQUIVALENCE

Club Diver:

All dives must be carried out in Irish or other North European waters.

Leading Diver & National Diver:

A minimum of 50% of additional qualifying dives must be carried out in Irish waters. Foreign dives carried out in Britain or Northern Europe to be admitted on a one for one basis. Foreign dives carried out in Southern Europe or in tropical or semi-tropical waters to qualify on the basis of 2 foreign dives to equal one qualifying dive. For the Leading Diver, the 3 dives to 35 metres and 2 dives to 40 metres must be carried out in Irish waters.

Diver Equivalence

For information on Diver Equivalence please refer to the information contained in the Diver Equivalence guide. DIVING IRELAND document IUC 403.

GUIDELINES FOR THE SUPERVISION OF DIVERS UNDER TRAINING

Supervision General

Supervision as it relates to sheltered and open water training shall mean the prescribed level of supervision required by either the DIVING IRELAND/CMAS Instructor or DIVING IRELAND/CMAS Assistant Instructor in order to ensure the safety of the diving activity. A DIVING IRELAND/CMAS Instructor will be qualified to a minimum of Mon1* level. The level of supervision required is prescribed as either direct or indirect supervision, which is defined as follows:

Direct Supervision

Direct supervision shall mean visual observation and evaluation of student skill performance and student diving activities by a DIVING IRELAND/CMAS Instructor. Direct supervision requires personal observation and evaluation of the performance of the skills required for certification. During underwater skill performance and evaluation, direct supervision requires the student to be accompanied underwater.

Indirect Supervision

Indirect supervision shall mean the overall control, general observation, evaluation, and direction of student skill performance and student diving activities. The DIVING IRELAND/CMAS Instructor must be personally present at the training site and be prepared to come to the aid of a student at all times. A maximum of 2 Assistant Instructors may be under the indirect supervision of a DIVING IRELAND/CMAS Instructor at any time.

Sheltered Water

Sheltered water shall mean a swimming pool with a depth appropriate to the activity or a body of water that offers conditions similar to those of a swimming pool with regard to visibility, depth, water movement and access

Open Water

Open water” shall mean any body of water significantly larger than a swimming pool offering conditions typical of a natural body of water encountered in the region.

INCIDENT AND ACCIDENT REPORTING

Incident and Accident reporting is the filing of reports and collection of information on actual or potential safety deficiencies. A safety occurrence is a term used to embrace all events which have, or could have significance in the context of diving safety, ranging from accidents and serious incidents, which must be reported and including occurrences of lesser severity which in the opinion of the reporter could have dive safety significance

Objective

Safety occurrence reporting aims to improve dive safety by the timely detection of diving hazards and/or system deficiencies. It plays an essential role in accident and incident prevention by enabling the identification of appropriate remedial actions by using prompt analysis of the data from incidents and accident reports.

Safety reporting should not be restricted to accidents and incidents but should include reporting of hazards and unsafe conditions that have not yet caused an incident but in the opinion of the reporter has the potential to do so.

Reporting Culture

DIVING IRELAND operates on the basis of having a 'Just Culture' for safety occurrence reporting. The DIVING IRELAND objective of safety occurrence reporting is to prevent future safety occurrences, such as accidents and incidents, and NOT to attribute blame or liability if they happen. The person filing a safety report is assured that the safety report will be treated as confidential.

Possible Insurance implications

If there is any possibility of an insurance claim arising out of the circumstances of an incident or accident it is particularly important that an incident report form is completed without delay.

In this type of situation, a report should be submitted no later than 7 days after the event occurrence.

Reporting Procedure

All diving accidents and incidents should be reported to the DIVING IRELAND Incidents Officer at the following email address: incidents@diving.ie.

Out of courtesy, the Club DO and the RDO should promptly be informed of any accident or incident occurrence.

Sharing of accident and incident data

DIVING IRELAND are members of the British Diving Safety Group (BDSG). DIVING IRELAND share data on our incidents with this group. All personal details from incidents and accidents are removed from this information before the data is shared. The British Sub Aqua Club compile the information from the members of the BSDG to produce a report annually on accident and incident trends within the sport diving community. This information can then be used to target our training on any specific area identified in the report.

This page intentionally left blank.



TRAINING AND STANDARDS MANUAL

PART B DIVING COURSES

TRY-A-DIVE

Introduction

No more than 20 minutes should be spent on an introductory talk about your club, DIVING IRELAND, and diving generally. Alternatively, you may prefer to show a video.

Registration

Record the name, address, email address and phone number of all candidates.

Instructors

The Dive Leader/Candidate ratio should be one to one. Instructors, Leading Divers or experienced Club Divers may be used to lead try- a-dives. Other members will be needed to help move, fit gear and assist candidates into and out of the water.

Equipment

Fins, mask, cylinder with BCD, and regulator

No weight belts should be worn by candidates.

If buoyancy is a problem, a weight may be put into the pocket of the BCD jacket.

Theory

Explain about ear clearing, exhaling, and basic signals i.e. up, down, something wrong.

Pool Ratios

Allow one Instructor and candidate per lane. Enter the pool from the shallow end and sit on the bottom breathing from the regulator until the candidate relaxes. At the discretion of each Instructor move the candidate to the deep end or 3 metre mark at maximum.

Timing

Allow up to 5 minutes for practical theory and equipment lesson. The total time per candidate should be no longer than 15 minutes.

At the end of the session

The candidate should return to the Training Officer where they receive a hand-out pack containing equipment brochures, Club information, start date and time of the course. All candidates should be encouraged to meet club members socially after the pool session.

DIVER (CMAS DIVER*) ISO 24801-2

Introduction

A Diver 1* is one who has completed the DIVING IRELAND Trainee Diver course and is ready to gain further experience and log qualifying dives for the Club Diver Test. Diver1* grades must always be accompanied by a diver of a higher grade. The intention of the course is to provide the beginner with the technical information and practical skills required for scuba diving. This course has been audited by the EUF to meet or exceed the requirements of Diver Level 2 – Autonomous Diver ISO 24801-2

Entry Requirements

A candidate must:

1. Be at least 14 years of age (with written consent of parent/guardian if a minor)
2. In the swimming pool complete the following:
 - a) Swim 200 metres freestyle without stopping
 - b) Swim 50 metres backstroke without stopping
 - c) Hold breath underwater for 30 seconds within 5 minutes of a and b above.

Course Requirements

A candidate must:

1. Hold Full Diver Membership of CFT
2. Have completed the entry requirements for the course
3. Register for the course on Go Membership and submit the appropriate Course Fee. (The Club Training Officer may register the Trainee Diver on Go Membership).

Course Content

This consists of a series of lectures, pool and open water snorkel and scuba training. The course is designed so that theoretical knowledge, and pool snorkel/scuba activities run concurrently, along with open water snorkel training.

Lecture Programme

1. Introduction to the Course and DIVING IRELAND and CMAS
2. CPR
3. Dive Physics 1, Buoyancy
4. Dive Physics 2, Effects of Pressure
5. Diving Equipment
6. Out of Breathing Gas
7. Decompression
8. Dive Tables

There is no formal lecture on Hand Signals, however a planner for an interactive hand signal break out session is provided. These sessions can be run as often as necessary at either pool training or coupled with other lectures until the required standard is achieved.

Pool Snorkel Training

Complete the following practical pool exercises at a pace dictated by the ability of each student:

Exercise 1 Snorkelling

Exercise 2 Mask & Snorkel Clearing

Exercise 3 Methods of Entry

Exercise 4 Surface Dives

Exercise 5 Forward & Backward Roll

Exercise 6 Fin 25 metres underwater with no mask

Exercise 7 Snorkelling 25 metres with no mask

Exercise 8 Ditch & Recovery of Mask & Fins

Exercise 9 Tow 50 metres plus EAR

Pool Snorkel Test

Exercises “1” through “11” are carried out without difficulty in one single pool session to the satisfaction of the Club Diving Officer.

Open Water Snorkel Training

Log a minimum of 3 open water snorkels of at least 30 minutes’ duration each in Irish Waters, during which practice:

1. Entries, buoyancy adjustment, finning and snorkel diving
2. Mask and snorkel clearing
3. Towing
4. Group safety
5. Finning without mask and snorkel
6. Snorkel dive to at least 6 metres

Prior to commencing Pool Scuba Training, the Candidate must complete the Fitness to Dive requirements of Go Membership.

Pool Scuba Training

Exercise 1 Assembly of Scuba equipment

Exercise 2 Disassembly of Scuba equipment

Exercise 3 Mask and Regulator Clearing

Exercise 4 Buoyancy control

Exercise 5 Removal of scuba underwater

Exercise 6 Methods of Entry

Exercise 7 Buddy Breathing

Exercise 8 Out of air

Exercise 9 Surface Marker Buoy (SMB) deployment

Exercise 10 Tow an unconscious Diver giving EAR

Exercise 11 Sharing Air and Regulator Retrieval

Pool Scuba Test

Exercises 1 – 11 must be completed without difficulty in one single pool session to the satisfaction of the Club Diving Officer.

Open Water Scuba Training

Log a minimum of 5 open water training dives to a MAXIMUM depth of 10 metres, during which the student will practice:

- Buoyancy adjustment maintaining depth at stop
- Mask and mouthpiece clearing and retrieval of lost mouthpiece
- Use of alternative air source as Donor and Receiver.
- In open water, rescue a diver, inflate buoyancy device and tow 100 metres
- Methods of entry

Suggested Course Layout

This course is designed to allow maximum flexibility in how the content is delivered. Clubs delivering the course should plan on the following as a basic guideline for running the course.

- 8-10 Pool Training sessions
- 3 Sea Snorkel Sessions
- 5 Open water dives

On completion of the Course, the Candidate should apply to Head Office for a Diver 1* Certificate and CMAS Diver 1* Brevet by submitting the completed CRF.

CLUB DIVER (CMAS DIVER) ISO 24801-2**

A Club Diver is one who, having passed the Club Diver Test, is proficient in the safe use of scuba equipment for open water diving with a buddy. S/he is permitted to dive with buddies of the same grade or higher and may lead such dives to a maximum depth of 30 metres. S/he may also, with the DO's permission, lead Diver1* to a maximum depth of 25M. This course has been audited by the EUF to meet or exceed the requirements of Diver Level 2 – Autonomous Diver ISO 24801-2

Course Requirements

A Candidate must:

1. Hold Full Diver Membership of DIVING IRELAND.
2. Be at least 16 years of age (provide written consent of parent/guardian if a minor)
3. Hold a Diver1*certificate, or equivalent, for a minimum of 3 months prior to taking the test.
4. Have a completed Certificate Request Form
5. Register for the course on Go Membership and submit the appropriate Course Fee

Course Content

Lecture Programme

Compulsory

1. Gas Laws
2. Ears and Sinuses
3. Hypothermia
4. Hypoxia, Anoxia and Drowning
5. Burst Lung
6. Respiration and Circulation
7. Diving Computers
8. Regulators and Cylinders
9. Dry Suit
10. Dive Planning
11. Small Boat Diving
12. The Sea
13. Underwater Navigation
14. SMBs
15. Night Diving
16. Our Environment

Optional

1. Marine Life I
2. Marine Life II
3. Compressors

Training Programme

Log the following dives in Irish or North European waters with a minimum duration of 15 minutes:

- 4 x 10 metres
- 4 x 15 metres
- 5 x 20 metres
- 4 x 25 metres
- 3 x 30 metres

All 30 metre dives must be led by at least a Leading Diver and completed only when all previous dives are logged. See [Dive Buddies, Grades and Maximum Depths](#)

Club Diver Test

Prerequisites

1	Hold Full Diver Membership of DIVING IRELAND
2	Have a correctly completed Logbook
3	Have a correctly completed Certificate Request Form
4	Hold a Diver * certificate, or equivalent, for at least 3 months
5	Have completed the Club Diver lecture and training programme
6	Within the two weeks preceding the test, in open water, snorkel 500 metres in basic equipment and 200 metres in full equipment to the satisfaction of the Club DO
7	The test must take place in open water
8	Candidate must be a minimum 16 years of age on date of test.

Water Assessment

1	Assemble scuba equipment and be ready to dive, properly weighted
2	Demonstrate Buddy Check, Hand Signals, and ditching of weightbelts
3	Demonstrate on shore use of compass
4	Discuss a Dive Plan with Examiner. (MOD and Nitrox use if applicable to the dive. Dive time, Dive site., Tides and Weather). The test should take place in the 20m depth range.
5	From the shore until the dive is completed the Diver under examination will assume the role of acting Dive Leader. The Examiner will assume the role of a dived up and active diver. The Diver under examination will ensure that both divers safely enter the water and descend to the bottom.
6	For exercises 6-8. Examiner takes control and gives "test" signal. Candidate removes mask but retains in hand. Candidate removes regulator, purges and replaces regulator. Candidate then replaces and clears mask. Alternative air source use as Receiver for 1 minute & alternative air source as Donor for 1 min.
7	Demonstrate buoyancy control. Slightly inflate jacket, lift one metre from bottom, maintain that elevation for thirty seconds then return to the bottom. Use jacket inflation to accomplish this.
8	Simulate a free ascent. Fin 5m horizontally along the bottom, breathing out continuously, regulator retained in mouth.
9	Candidate resumes leading the remainder of the dive
10	Deploy an SMB
11	On the surface, tow fully equipped diver 100m (buoyancy allowed).
12	Snorkel 200m in full equipment
13	Demonstrate CPR on land.
14	Complete oral examination in Dive Theory, Safety, Equipment and Tables. For the purposes of the Club Diver test the Diver1* and Club Diver (Diver**) lecture programmes shall be included

Club Diving Officer

In preparation for the Club Diver Test, please ensure that the candidate has a Diver* brevet, or equivalent, has completed the full Course and a “dummy run” of the test and that his/her Logbook and Certificate Request Form are correctly completed.

Having satisfied yourself that a diver is ready for testing (remember that Open Water Training Dives are not part of the prerequisite dives), contact the RDO to arrange an examiner, venue and date. No diver may be examined without the express knowledge of his/her Club DO.

Make a boat available, if requested by the examiner or RDO.

The oral examination in the Club Diver Test should take no longer than 15 minutes.

Guidelines for Examiners

Before commencing the Test, ensure that the candidate has completed the prerequisites on previous page.

Major Points to Note:

1. Maximum of 2 candidates per examiner.
2. Hand signals used throughout must be noted for clarity and response.
3. No in water incidents. No use of emergency signals unless genuine. The “Test” signal is given before each exercise.
4. The candidate’s oral dive plan shall be simple and to the point. Main factors are: Nitrox use of either diver and consequent MOD, Dive time, Site, Weather, Tides. Do not spend more than 3 minutes with each candidate in total.
5. Test 5 is to assess that the potential new Club diver can safely manage all aspects of a dive from shore to shore in a safe, competent and friendly environment.
6. For Test 6-8 Examiner is the Dive Leader and directs the candidate to carry out the required skill tests. The Examiner will not demonstrate the skill to the candidate.
7. The “Free Ascent” is done with the regulator in the mouth, the candidate breathing out. The examiner swims with the candidate, along the bottom, slightly ahead and facing towards him/her.
8. Where two or more examiners are being used, candidates are rotated between oral and practical tests.
9. Open Water Training Dives are not part of the 20 prerequisite dives.
- 10.** The oral test is not a marathon and should be 10- 15 minutes’ duration. For the purposes of the Club Diver test the Diver1 * and Club Diver (Diver**) lecture programmes shall be included.

Certification

On successful completion of the test, the Candidate should apply to Head Office for a Club Diver Certificate, submitting the completed CRF.

DIVER COX'N

Course Prerequisites

A Candidate must

- Hold current membership of DIVING IRELAND
- Be at least 16 years of age (with written consent of parent/guardian if a minor)
- Have correctly completed Certificate Request Form.
- Register for the course on Go Membership and submit the appropriate Course Fee

Note

- **A Diver Coxn candidate does not require a scuba diving qualification**
- DFR Certification is recommended but not mandatory.

Course Director

The minimum grade for the Course Director is Moniteur**with a DIVING IRELAND Diver Cox'n Instructor certificate.

Course Instructors

The minimum grade for Course Instructors is Moniteur *with DIVING IRELAND Cox'n Instructor certificate.

Course Content

- Run over two and a half days or equivalent
- One and a half days' theory
- One day (min.) for practical instruction

Lecture schedule

- | | |
|---------------------------------------|---------|
| • The Boat and its Equipment | 30 min. |
| • Responsibilities of the owner/Cox'n | 30 min. |
| • Outboard Engines and Controls | 30 min. |
| • Anchors Ropes and Knots | 30 min. |
| • Navigation and Tides | 45 min. |
| • (+15 min. for practical chart work) | |
| • Weather | 30 min. |
| • Voyage Planning | 30 min. |
| • Practical Powerboat Handling | 45 min. |
| • Covering Divers | 30 min. |
| • Emergency Situations | 30 min. |

Practical schedule

- Boat equipment check
- Launching and Recovery including securing to trailer
- Leaving and entering harbour including TR call
- High Speed Driving
- "S" turns
- Pick up a buoy
- "U" Turns

- Coming Alongside
- Turning – Pivot point
- Rough Weather – handling waves, head/following/crossing sea
- Steer by compass
- Anchor deployment
- Steer by transits
- Shot line deployment
- Steering "blind"
- Towing disabled dive boat
- Start / Stop the Engine
- Reverse figure of eight
- Turning on a warp
- Holding off from a fixed point for 30 seconds
- Man overboard
- Coming alongside another boat
- Coming alongside a pier
- Recover boat

Assessment Prerequisites

Candidates must

- Have completed the Cox'n course within a 2 year period.
- Have completed the Boat Handling Log.

Diver Cox'n Examination

The assessment will consist of three parts:

An Actual Club Dive

- The Diver Cox'n will be expected to take full responsibility for the launching, operation, control and recovery of the dive boat during a normal diving day, together with the drop off, cover and pick up of divers in usual diving weather.

Practical Skills Section

- The Diver Cox'n must demonstrate the ability to operate the boat in the confines of a harbour/sheltered area. The effective handling of emergency situations must be exhibited.

Theory

- This will include chart work, ropes/knots, and theory, as per the Boat Handling Course.

ALL THREE PARTS MUST BE PASSED IN ORDER TO BE SUCCESSFUL IN THIS EXAMINATION.

Certification

On successful completion of the test, the Candidate should apply to Head Office for a Diver Cox'n Certificate, submitting the completed CRF.

Diver Cox'n Experience Log

Entries in the log, which is in the Log Book, should only be made after the Cox'n course and the Practical Instruction have been completed.

DIVER COX'N INSTRUCTOR

Course Prerequisites

Candidates must

1. Hold Full Diver Membership of DIVING IRELAND
2. Be at least a Moniteur* Instructor
3. Hold a Diver Cox'n Certificate
4. Have correctly completed Certificate Request Form.
5. Register for the course on Go Membership and submit the appropriate Course Fee

Course Director

The minimum grade for the Course Director is Moniteur*** with Cox'n Instructor Certificate.

Course Instructors

The minimum grade for Course Instructors is Moniteur**with Cox'n Instructor Certificate.

Course Content

- Run over one day or equivalent
- Half day for theory
- Half day for practical instruction

Lecture schedule

- Diver Coxswain Course Introduction 30 min.
- Teaching the Coxswain Course 30 min.
- Sea work Preview 30 min.
- Outcomes Summarised 30 min.

Practical schedule

- Boat Equipment check
- Launching and Recovery including securing to trailer
- Leaving and entering harbour including TR call
- High Speed Driving
- "S" turns
- Pick up a buoy
- "U" Turns
- Coming Alongside
- Turning – Pivot point
- Rough Weather – handling waves, head/following/crossing sea
- Steer by compass
- Anchor deployment
- Steer by transits
- Shot line deployment
- Steering "blind"
- Towing disabled dive boat
- Start / Stop the Engine
- Reverse figure of eight

Practical schedule continued

- Turning on a warp
- Holding off from a fixed point for 30 seconds
- Man overboard
- Coming alongside another boat
- Coming alongside a pier
- Recover boat

Practical Assessment prerequisites

- Have completed the Diver Cox'n Instructor course within a 2-year period.

Examination

The examination will consist of two parts:

Theory

Written examination. This will include chart work, ropes/knots and theory, as per the Diver Cox'n Course.

Practical Skills Section

The Diver Cox'n Instructor must demonstrate the ability to teach a candidate how to operate the boat according to the practical schedule outlined above.

ALL PARTS MUST BE PASSED IN ORDER TO BE SUCCESSFUL IN THIS EXAMINATION.

Certification

On successful completion of the test, the Candidate should apply to Head Office for a Diver Cox'n Instructor Certificate submitting the completed CRF.

DIVER FIRST RESPONDER

Introduction

The Diver First Responder (DFR) Certificate will be awarded to candidates who have completed the course and passed an examination. The course will be delivered by Diving Ireland DFR Instructors. DFR instructors will have completed instructor training / certification process with Diving Ireland and PHECC (Pre-Hospital Emergency Care Council).

The CPR element of the course can be waived if the candidate has an in-date CPR certificate obtained from DAN, EFR, REC or any of the national first aid training agencies including other PHECC affiliated training organisations, the St Johns Ambulance service and the Order of Malta.

Course Summary

The course trains CFT members to become a Diver First Responder (DFR).

A DFR can

- Provide Basic Life Support (BLS)
- Administer aspirin
- Use an Automated External Defibrillator (AED)
- Manage diving emergencies
- Provide oxygen and first aid treatment

Prerequisites

A Candidate must:

1. Be at least 16 years of age (provide written consent of parent/guardian if a minor)
2. Hold membership of CFT
3. Have a completed Certificate Request Form
4. Register for the course on Go Membership and submit appropriate Course Fee

Course Director

The minimum grade for the Course Director is Diver First Responder Instructor. Any Diving Ireland Instructor of Mon 1* or above may deliver the Diving Ireland element of the course.

Course Instructors

The minimum grade for Course Instructors is Diver First Responder Instructor. Any Diving Ireland Instructor of Mon 1* or above may deliver the Diving Ireland element of the course.

Course Content

The course comprises a series of lectures and practical sessions. There are two elements to the course:

1. PHECC Element: Cardiac First Responder (CFR) Course. The CFR element is recognised nationally by PHECC and the successful candidate will receive joint CFT/PHECC Certification
2. CFT Element: First Aid, Bleeding, Shock and Oxygen Administration

The course can be run over one full day or two half days. Any proposed variation on one day or two evenings should be approved in advance by the NDO.

Course Materials

Course participants will receive the following:

1. PHECC CFR Training Manual (Published by PHECC)
2. RED emergency card
3. Pocket Face Mask

The Course will comprise two modules.

	MODULE	CONTENT	DURATION
A	PHECC CFR Course	BLS & AED	4 hours
B	First Aid	Bleeding, Shock, Oxygen	3 hours

A total time of 8 should be allocated for the course.

The following PHECC ratios must be used

Student to Instructor 6:1 Student to Mannequin 3:1 Student to O₂ kit 4:1

There should be no variation from the above schedule.

Examination Components

- A. On completion of Module A, candidates will be required to pass all the PHECC CFR assessments
- B. On completion of Modules B, candidates will be required to demonstrate practical application of First Aid skills.

Certification

On successful completion of the test, the Candidate should apply to Head Office for a Diver First Responder Certificate, submitting the completed CRF.

Re-Certification

PHECC certification is valid for two years and must then be renewed.

References

See www.phecc.ie for information on PHECC. PHECC is statutory body responsible for regulation of the Emergency Medical Services (EMS) in Ireland.

Instructor Requirements

Module A

CFR Course:

- Laptop, Speakers & Projector
- PHECC DVD
- Mannequins
- AED s
- Wipes
- Replacement Lungs
- Aspirin Hand-out
- Assessment Sheets
- Feedback Form etc.
- Demonstration Equipment
- RED cards

Module B

- Laptop & Projector
- PowerPoint Presentations
- Lesson Plans
- O₂ kit(s)
- First Aid Kit/ assorted Bandages

DIVER FIRST RESPONDER INSTRUCTOR

Introduction

The Diver First Responder (DFR) Instructor Certificate is awarded to candidates who have completed the DFR Instructor course. DFR Instructors will deliver the DFR course to CFT candidates.

The course is delivered by DIVING IRELAND DFR Instructors assisted by external PHECC accredited tutors.

Course Summary

The course seeks to provide instructors with the core competencies required to deliver the PHECC CFR course and the DIVING IRELAND component dealing with diving emergencies.

Prerequisites

A candidate must

1. Hold Full Diver Membership of DIVING IRELAND
2. Hold a current valid DFR Certificate
3. Be a Moniteur** or higher
4. Be recommended by the NDO
5. Have a correctly completed Certificate Request Form
6. Register for the Course on Go Membership and submit the appropriate Course Fee

Course Duration

Course duration is 2 days.

Course Content

The course comprises a series of lectures and small group practical sessions. The primary emphasis of the course is familiarisation with PHECC & CFT Instructional Materials and learning how best to teach and assess the range of skills required. There are two stages to the course:

1. PHECC Cardiac First Responder (CFR) Community Level Course. The CFR element is recognised nationally by PHECC and the successful candidate will receive joint CFT/PHECC Instructor Certification
2. CFT Element: Bleeding, Shock and Oxygen Administration,

Day 1:

Familiarisation with all elements of PHECC CFR DVD
Background to Stroke and Heart Attack
Theory of Aspirin Administration

Day 2:

Practical aspects of running a DFR course
O₂ Administration
First Aid Elements

Course Materials

Course participants will require/receive the following:

- PHECC CFR Instructor Manual (Published by PHECC)
- PHECC CFR Instructor Pack (Published by PHECC)
- Pocket Face Mask
- RED cards
- Bandages and dressings

Assessment

Continuous assessment for duration of the course.

NB: Course Tutors may recommend remediation or repeating some/all aspects of the course where a candidate's performance has been deemed not to have reached the required PHECC/CFT Standard.

References

See www.phecc.ie for information on PHECC. PHECC is statutory body responsible for regulation of the Emergency Medical Services (EMS) in Ireland. DIVING IRELAND is a PHECC recognised agency for the purpose of delivery of CFR and CFR Instructor courses.

Certification

On successful completion of the course, the candidate should apply to Head Office through Go Membership for a DFR Instructor Certificate submitting the completed CRF.

Instructor Requirements

Module A and B

Paperwork

- Attendance Sheet Students
- Attendance Sheet - Instructors
- Skills Assessment Sheets
- Evaluation Forms

Equipment required

- Attendance Sheet - Instructors
- Skills Assessment Sheets
- Evaluation Forms
- PHECC DVD
- Audio-visual device
- Course paperwork (as above)
- Student handbook per student
- Instructor Manual
- PHECC Red Card per student
- PHECC CFR Report per student
- Mannequins (Adult, Child & Infant)
- AED Trainers
- Pocket Masks (spare)
- One waste bag

- Wipes
- Replacement Lungs
- Aspirin Handout

Equipment required for First Aid Elements

- Bandages & Dressings
- First Aid Kit
- Space Blanket / survival bag
- O2 Kits complete

All modules

- Laptop & Projector
- PowerPoint Presentations
- Lesson Plans
- Feedback Forms
- O₂ kit(s)

RESCUE DIVER

The holder of a Rescue Diver Certificate has successfully completed a course and passed an exam in the theory and practice of diver rescue, including deep rescue, self-rescue, in water resuscitation, rescue management and basic first aid. This course also covers CPR and theoretical and practical training in the administration of O₂.

Prerequisites

A candidate must:

1. Hold full Diver Membership of DIVING IRELAND
2. Have a correctly completed Log Book
3. Have a correctly completed Certificate Request Form
4. Be a Diver1* with a minimum of 19 dives (by the logbook)
5. Register for the Course on Go Membership and submit the appropriate course Fee

Course Director

The minimum grade for the Course Director is Moniteur**.

Course Instructors

The minimum grade for Course Instructors is Moniteur*.

Course Contents

The course consists of a series of lectures, pool work, and open water work to a depth of 20 metres. 100% attendance at all lectures, pool work and open water work is necessary to successfully complete the course.

Lecture Schedule

- | | |
|----------------------------------|--------|
| 1. Stress and the Diver | 30mins |
| 2. Rescue Prevention | 30mins |
| 3. Self-Rescue and Rescue Skills | 30mins |
| 4. Deep Rescue Methods – Lifts | 30mins |
| 5. Diver Rescue Management | 40mins |

Practical CPR and O₂ Administration exercises should also be practised

It is important that the equipment used in this course is to the proper specifications.

- a) Shot Line must be of minimum 20mm rope, weighted by at least 25kg and buoyed by at least 50 litres. The rope must be kept as taut as possible when in use and must be clearly marked at 15m/10m/6m/3m (especially at the 10m mark).
- b) All weightbelts used must have weights securely attached, or none attached depending on activity.

All cover divers used during the course must be of at least Rescue Diver grade. They will be stationed at the 6m mark on the shot line during practice lifts. It must be stressed that at no time are multiple ascents and descents (so called yoyo diving) to be carried out. If problems arise during the course, they can be corrected at another time, on another dive i.e. at club level, using club-based instructors. It is recommended that full proficiency in all lift methods be achieved. This will require further lifts at club level after the course.

Regarding the free ascent (regulator in mouth) it should be noted that in the event of a real emergency the rate of ascent could be faster than 10m/min, but at all times should be controlled. Candidates must be aware of this fact.

The 19 pre-requisite dives mean that the candidate will have completed all the qualifying dives in depth sequence for the Club Diver (Diver**) logged up to and including one 25m dive.

Pool Work

Includes instruction in the following skills.

Surface Rescue (Not to be attempted unless mask, snorkel and fins are worn)

- Shout at victim "Ditch your belt. Inflate your jacket"

Underwater Rescue / Methods of lift

- Cautious approach, assess the situation, select option for lifting.
- At the deep end of the pool the various approaches and holds can be practised.

Methods of Towing

- Emphasis should be on getting the casualty out of the water as soon as possible to commence CPR, and not on towing them great distances.

Ditching Weight belt (Practice with weightbelt with no weights attached)

- Practise ditching your own weight belt for Self-Rescue. Ensure your weightbelt is held clear from body then dropped.
- Practise ditching casualty's weightbelt. Again, ensure the weightbelt is held clear of body before dropping.

Open Water Work

(Minimum depth of 20m)

The following techniques are to be practised on a SHOT LINE in 20m of water. Emphasis on practise of dropped weight belt is essential.

Self-Rescue Techniques (Dive 1)

Place the shot line in 20m of water.

- a) Instructor and candidate make free ascent from 20m to 15m at 10m per minute, instructor slightly above candidate. Regulator in mouth at all times. Stop. Return to 20m.
- b) Instructor and candidate ascend from 20m to 6m, candidate ascending without the use of fins and using own buoyancy device. If the rate of ascent is too fast at the 10m mark, then abort ascent.
- c) Do a safety stop at 3 - 6m for 3mins.

All of the above can be achieved on DIVE 1

During the surface interval, practise the various methods for the “recovery” of a casualty from the water into the boat.

Also practise Shore Management skills.

Assisted Rescue Techniques Part 1 (Dive 2)

Place the shot line in 20m of water. Have the line marked at 15m/10m/6m/3m. Place a cover diver at 6m mark.

- (a) From 20m do a front lift to the 6m mark. If the rate of ascent is too fast at the 10m depth mark, then abort the lift and both divers control their own buoyancy. Do not go shallower than the 3m stop.
- (b) Do a safety stop at 3 - 6m for 3mins

All the above can be achieved on DIVE 2.

Suggested Time Table

Lectures & CPR/O2	3hrs 10mins
Pool	2 hours
Dives	2dives

Course Director to sign logbooks.

Log a series of lifts on a shot line and under supervision of club/group as per attached log sheet. Copy below.

Copy of training log below:

Self Rescue

	20m - 10m	Instructor	Date
1	Free Ascent		
2	Buoyant Ascent		

Assisted Rescue

	20m - 6m	Instructor	Date
1	Wet-Suit Lift (Rear), simulate unconscious		
2	Dry-Suit Lift (Front), simulate distressed		
3	Support victim at surface, assist into boat		
4	Shore management - including towing & ear		
5	Remove victim from water - shore		
6	Activate Emergency Plan		
7	Oxygen Administration		

RESCUE DIVER EXAMINATION

A candidate must:

1. Be a qualified Club Diver
2. Hold Full Diver Membership of DIVING IRELAND
3. Have completed the CFT Rescue Diver course within the previous 2 years
4. Hold an up to date DIVING IRELAND Diver First Responder certificate
5. Be an Active Diver
6. Submit Training Log
7. Have a completed Certificate Request Form
8. Be Dive current

Dive currency requirements for candidates and examiners

Have completed at least 2 workup dives in the previous 3 weeks e.g. a 10m dive and a 20m dive.

Test Requirements

1. Candidates examined under the jury system, with a Moniteur*** as Jury President.
2. Minimum depth necessary to complete the test is 20m. Marked shot line and cover divers must be used.

Stage 1

Deep rescue:

Place shot line in 20m of water. Have the line marked at 15m/10m/6m/3m. Place the cover diver at 6m mark.

- a) Dive to 20m. Carry out free ascent to 15m, stop and return to 20m.
- b) Using one of the lift options designated by the Jury President, lift the victim from 20m to the 6m mark. Stop.
- c) Do a safety stop at 3m/3mins.
- d) On surfacing, support the victim for a period not less than 3 minutes (victim hands own weightbelt into boat) after which the victim is removed from water into boat.

Stage 2

Shallow Rescue:

In sheltered water tow victim 100m. Land victim on shore and demonstrate Shore Management and Resuscitation skills. Tow should stop when water is waist deep to allow victim to remove and stow gear. Test continues at shoreline.

Oral Test:

Candidates will be examined on points taken from the lecture schedule (a minimum of 12 questions). 10 questions must be answered correctly.

Emergency Plan:

All candidates should present a completed emergency plan for the test dive site to the Jury President during the exam.

Certification

On successful completion of the test, the Candidate should apply to Head Office for a Rescue Diver Certificate, submitting the completed CRF.

ADVANCED CLUB DIVER (DEEPER DIVING 45M)

The Advanced Club Diver Certificate is awarded to a Diver 2* who has completed Module 2 deeper diving module of the Leading Diver course.

Prerequisites

A Candidate must:

1. Hold full Diver Membership of DIVING IRELAND
2. Be a Club Diver (Diver**) for one year
3. Hold a Rescue Diver certification.
4. Have successfully completed Module 2 of the Leading Diver Course or equivalent qualification.

Pre-requisite Dives (Dives logged post Club Diver qualify as prerequisites)

- 15M x 8
- 20M x 8
- 25M x 8
- 30M x 8

Entitlements

An Advanced Club Diver may lead dives in accordance with the depth limits as set out in the depth limit / buddy chart for DIVING IRELAND divers.

Certification

On successful completion of the test, the Candidate should apply to Head Office for an Advanced Club Diver Certificate, submitting the completed CRF.

Course Structure

Refer to the information in Leading Diver Module 2

ASSISTANT INSTRUCTOR

An Assistant Instructor is an experienced Club Diver who has been trained and assessed in the theory and practice of teaching divers and snorkelers, both in and out of the water, according to CFT's diving and snorkelling modules. The Assistant Instructor may instruct their club trainee divers up to their first five open water dives. Under the direction of the RDO, they can also assist other clubs with their Diver 1* programme. This course will be fully aligned with the Moniteur* (Mon 1*) course, so that those who do the Assistant Instructor course will automatically gain Mon 1* certification on successfully passing the Leading Diver course. This will mean Assistant Instructor candidates will take the same theory exams as the Mon 1 candidates and will also complete all aspects of Part 2 of this course and exam. While the candidates will not be expected to have attended a Cox'n Diver course or Leading Diver course, it would be expected that they would have an in-depth knowledge of the subject matter of these courses.

Learning Objectives

The Assistant Instructor will be capable of:

- Managing a Diver1* or Club Diver course safely and to meet the full guidelines determined by the DIVING IRELAND Technical Commission
- Teaching all classroom subjects to Club Diver level, including pool or sheltered water lessons as defined by the TC
- Bring the clubs trainee divers on their first 5 dives while under the direct supervision of a Mon1* instructor.
- Adjusting teaching style to cater for the various needs of the learners

Prerequisites

A Candidate must:

1. Hold Full Diver membership of DIVING IRELAND
2. Be an experienced Club Diver (at least 50 dives in Irish waters to include all the prerequisite dives for Leading Diver up to and including the 30 metre dives and 12 months as a qualified Club Diver)
3. Hold a Rescue Diver certificate
4. Be 19 years of age or over
5. Have a correctly completed Certificate Request Form
6. Hold a valid, current DFR Certificate
7. Attend the Moniteur* / Assistant Instructor Brief
8. Register for the Course on Go Membership and submit the appropriate Course Fee

Course Director

The minimum grade for the Course Director is Moniteur ***appointed by the NDO.

Course Organiser

The Course Organiser will usually be the RDO or an appointee of the RDO.

Course Instructors

The minimum grade for Course Instructors is Moniteur*.

Course Content

The course consists of two parts.

- Part 1 assesses knowledge of diving theory and in water skills.
- Part 2 covers teaching and instruction techniques and include an open water dive.

Candidates must be successful in the theory and pool assessment prior to commencing part two.

Part 1 - Theory

After the Moniteur* / Assistant Instructor Brief, the Candidates have a period of study of not less than four weeks to bring their knowledge up to the required standard. Four written papers, Physics, Physiology, General Knowledge and Dive Management are taken at the end of the study period. Candidates are advised to arrange workshops and seminars for required subjects as they feel necessary. Study groups can help as knowledge can be shared between candidates. The following lectures must be run for the candidates:

- Physics Theory
- Physics Practical
- Dive Management
- Physiology
- Dive Accidents

Note: The Course Director should provide a list of Moniteur*s and Moniteurs from the candidates' clubs/regions who can help the group, taking care not to compromise the makeup of the final assessment Juries.**

The Theory Syllabus

The syllabus used to study for the written examinations has been developed to ensure that candidates have an in depth knowledge of the subject matter required to teach the following courses and CFT Modules:

- Diver* 1* (CMAS Diver1*)
- Club Diver (CMAS Diver2**)
- Diver First Responder
- Cox'n Diver
- Rescue Diver
- Leading Diver (CMAS Diver3***)

Assistant Instructor candidates can teach Diver 1* and Club Diver courses but should be thoroughly familiar with all the modules and the background theory and its relevance.

Assistant Instructors may be required to assist with the delivery of other courses and act as a focus of knowledge for other divers, therefore they should be familiar with the material covered in the Nitrox Diver, Advanced Nitrox Diver, Extended Range Nitrox Diver, Search and Recovery and Gas Blender Modules. As further modules are developed these should also be studied. While Assistant Instructors will not be able to deliver these courses, they will need this knowledge for the theory exam.

Texts that are widely available have been listed and referenced to provide “Topics of Relevance” to the Moniteur* and Assistant Instructors are included in the Moniteur* Student Hand-out.

Careful use of the information available on the Internet, from CMAS, BSAC, PADI and other websites can be very informative. Information from other specialised agencies such as the Royal Yachting Association (RYA), Irish Water Safety and the Royal Life Saving Society can be invaluable. However, it must be remembered that information, methods and techniques as presented in DIVING IRELAND Modules take precedence over those of other agencies. Remember also that the relevance of certain topics will change over time, new research will be published and that there is no substitute for a broad base of knowledge and experience.

Past examination papers should be used to focus study and improve exam technique. Past papers are available through a link on the DIVING IRELAND website www.diving.ie.

Assessment

1. Theory

Four written papers will be taken at the end of the study period (no less than 4 weeks after the brief) under the following headings:

Physics	pass mark 60%
Physiology	pass mark 60%
General Knowledge	pass mark 60%
Dive Management	pass mark 70%

Marks for papers 1, 2 and 3 can be combined to compensate, i.e. a total of 180 marks must be reached by combining the marks provided a pass has been reached in two of the papers, and not less than 45% has been achieved on the third.

Paper 4 must achieve a pass of not less than 70%, with no compensation allowed. A JP and Jury will be appointed to oversee the marking of the papers.

2. Pool

All candidates will be assessed on the standard of their pool skills. All pool skills from Diver 1* and Club Diver courses must be performed easily and confidently. The candidates will be assessed on each of the in-water skills they are asked to demonstrate.

The skills assessment must at a minimum include all of the following.

1. Ditch and recovery of basic equipment
2. Forward and backward roll
3. Towing
4. Out of air exercise with buddy breathing
5. Ditch and recovery of full scuba equipment
6. SMB deployment
7. Methods of entries

The Course Director must assess candidates' pool skills and be satisfied that candidates can demonstrate the exercises to a high standard.

Part 2 – Instructing

Part 2 of the course consists of a number of lectures on instructing and techniques in both the class and in water situations. The candidates will then practice the instruction skills by preparing and giving lectures and pool instruction.

Suggested Format

Weekend/session 1

Five-minute lecture

Each candidate will begin the course by presenting a previously self-chosen topic for no more than five minutes. This will be reviewed, possibly using video, by the course Instructors. A sample video selection may be reviewed depending on class size.

The first weekend/session of the course will cover all the lectures to be given to the candidates. All lectures of this first session will be presented by experienced Instructors to provide the candidates with a demonstration of correct teaching techniques.

Lectures

1. Introduction to DIVING IRELAND modules (45 minutes)
2. Responsibilities (45 minutes)
3. Principles of teaching and learning styles (45 minutes)
4. Session planning (45 minutes)
5. Presentation and visual aids (75 minutes)
6. In water instruction (75 minutes)
7. Child Protection Awareness (delivered separately on completion of the course)

Pool

The Course Director will organise this first pool session as a demonstration of organising and in water teaching to the candidates. In this first session each candidate will also instruct a group in the pool in at least one snorkelling and one scuba skill.

Weekends/Sessions 2, 3 and 4 (if required)

Further weekends/sessions will be used for candidates' practice sessions.

Candidate instructional skills

The candidate will practise their instructional skills by:

1. Giving lectures - minimum 4 per candidate, of no more than 45 minutes duration. (Candidates will be given the option of presenting their assigned final test modular and non-modular lectures on two optional dates prior to the final test). Any of the module lectures from Diver1* and Club Diver2** courses may be used.
2. Organising and teaching in the pool with a minimum of three 90-minute pool sessions to practise wet teaching techniques. The candidates will be responsible for the organisation of the pool. A simulated emergency should be run at each session by the instructors.
3. Carrying out an open water dive to practice demonstrating a skill from the Diver1* or Club Diver training modules.

Final Assessment

An appointed Jury will examine the candidates under the guidance of a JP.

The final exam consists of four elements:

1. Presentation of module lecture - the lecture should last for no more than 45 minutes (this will preclude some lectures from the modules). The Course Director will assign the lecture topic to each candidate no more than 2 weeks prior to the final assessment.
2. Presentation of non-module lecture - the candidate will plan, prepare and present a 20 minute non-module lecture on a subject assigned by the Course Director from a list of possible subjects drawn up nationally and provided to the Course Director by the NDO. The topics will be assigned no more than 4 weeks prior to the final assessment. The non-module lecture should be directed at Instructor level.
3. In-water practical instruction (confined water) - the candidate will be assessed instructing on one pool skill from the Diver1* or Club Diver training module. The JP will organise the pool and assign the pool skill to each candidate.
4. In-water practical instruction (open water) - the candidate will be assessed during an open water dive instructing on one open water exercise from the Diver1* or Club Diver training modules. The Jury President will organise the dive and choose the exercise for each candidate. The dive can be conducted from the shore or a boat and must not exceed 10m in depth. The candidate will be assessed doing a full dive briefing and pre-dive checks prior to the dive and a post dive de-brief. A simulated surface emergency should be conducted and assessed.

Certification

On successful completion of the final assessment the Candidate should apply to Head Office for an Assistant Instructor Certificate submitting the completed CRF.

Template Programme for Regional Diving Officers and Course Directors

Moniteur*/Assistant Instructor course Brief

Candidates will be given a handout detailing the contents of the Assistant Instructor course, together with the topics of relevance and the suggested texts for reference.

The date for the written papers will be set at this time. The RDO and the Course Director will set the date for the pool assessment, as this will be dependent on local availability.

Written Papers and Pool Assessment

The written papers will be taken on a single day and marked by a Jury, under the guidance of a Moniteur***. Both written and pool assessments must be passed before the start of the second part of the course.

Part two of Assistant Instructor course

The programme must be designed to allow for each candidate to practise:

1. Module lectures x 4
2. Pool Briefing x 3
3. Pool instruction x 3 (wet practical instruction)
4. Pool organisation x 2

Final Assessment

Examined by a Jury under a JP:

1. Module lecture: topic from Diver1*, Club Diver or Rescue Diver module given no more than 2 weeks prior to final assessment
2. Non-module lecture: topic chosen no more than 4 weeks prior to final assessment
3. In water practical instruction (confined water): one skill from Diver1* or Club Diver modules
4. In water practical instruction (open water): one skill from Diver1* or Club Diver modules

Suggested Programme

Part II of the Assistant Instructor course: Instructional skills, may be run on successive weekends or on selected weekday evenings as best suits the group dynamic.

Candidates should be given a week to prepare their 4 lecture topics. It may be necessary to alter the programme to accommodate pool times. However, it should be noted that for the candidate to get the maximum benefit from pool time, the Pool/Wet Instruction Techniques lecture and Pool Briefing workshop should be completed first.

The Course Director will select the topics for the final assessment.

Weekend 1

Saturday AM	5 Minute lectures by candidates. Introduction to DIVING IRELAND modules and standardised practical skills principles. Theory of teaching pool/wet instructional techniques
Saturday PM	Practical Workshop: Pool Briefing Techniques Standardised pool teaching techniques
Sunday AM	Lectures Presentation of Lecture Visual Aids, Cox'n Instructor Module, Instructor Responsibilities
Sunday PM	Practical workshop Pool Organisation Use of visual aids. Lecture topics from modules handed out – 2 per candidate

Weekend 2

Saturday AM	Module lectures – first lecture for each candidate. Pool organisation – by candidates
Saturday PM	Practical Workshop Pool Briefing Lecture preparation and planning
Sunday AM	Module Lectures – second lecture for each candidate General feedback from lectures
Sunday PM	Lecture topics from module handed out – 2 per candidate. Non module lecture topic for final assessment assigned to candidates

Weekend 3

Saturday AM	Module lectures – first lecture for each candidate Pool organisation – by candidates
Saturday PM	Practical Workshop Pool Briefing feedback on pool organisation
Sunday AM	Module Lectures – second lecture for each candidate General feedback
Sunday PM	Workshop. Open water instructional dive. Feedback on open water instructional dive. Course debrief.

LEADING DIVER (CMAS DIVER***) ISO 24801-3

The Leading Diver grade is the third stage in a process of diver training offered by DIVING IRELAND and trains a diver to safely lead groups of divers of all experience levels. A successful candidate will have excellent organising and incident management skills, and will be capable of leading dives in varying conditions, up to a max depth of 45m. This course can be completed over a single year. Alternatively, at the discretion of the candidates the course may be extended over more than one diving season. This will allow maximum flexibility for the LD candidates. This course has been audited by the EUF to meet or exceed the requirements of Diver Level 3 – Dive Leader ISO 24801-3

Course Structure

The Leading Diver course is a modular course consisting of three modules.

- Module 1: Speciality Dive Skills, Theory and Fitness
- Module 2: Deeper Dive Skills
- Module 3: Dive Organisation and Incident Management

Notes:

- Modules can be started at any time, however completing Module 1 initially is the optimal way to develop the skills needed for modules 2 and 3.
- Pre-requisite dives for the Leading Diver course must be completed before taking any module exam
- Module 2 and Module 3 exams can be run on the same weekend
- Leading Diver Certificate is issued when all three Modules have been passed

The following table shows the various combinations of modules at the commencement of the LD weekend and the outcomes available for the candidates.

Entering LD weekend	NO MODULE EXAM COMPLETE	NO MODULE EXAM COMPLETE	MOD 1 EXAM COMPLETE	MOD 1 EXAM COMPLETE	MOD 2 EXAM COMPLETE	MOD 1+2 EXAM COMPLETE
Options available	Complete Modules 2 and 3	Complete Module 3 only	Complete Modules 2 and 3	Complete Module 3 only	Complete Module 3 only	Complete Module 3
Assessment Required on LD weekend	Complete 3 dives and be assessed on all three	Complete 3 dives and be assessed on 2 dives	Complete 3 dives and be assessed on all three	Complete 3 dives and be assessed on 2 dives	Complete 3 dives and be assessed on 2 dives	Complete 3 dives and be assessed on 2 dives
Assessed dives	40m 20m 30m	20M 30m	40m 20m 30m	20M 30m	20M 30m	20M 30m
Successful Outcome	Mod 2 Cert Mod 3 Cert	Mod 3 Cert	Mod 2 Cert Mod 3 Cert LD Cert	Mod 3 Cert	Mod 3 Cert	Mod 3 Cert LD Cert
Next Steps	Mod 1 exam	Mod 1 and Mod 2 exam	None - Course complete	Mod 2 exam	Mod 1 exam	None - Course complete

Pre-requisite Dives (Dives logged post Club Diver qualify as prerequisites)

- 15M x 8
- 20M x 8
- 25M x 8
- 30M x 8

Prior Learning: Candidates should have an excellent knowledge and be very competent with all the practical skills for the following courses:

- Diver 1*
- Club Diver
- Diver First Responder
- Rescue Diver
- Diver Cox'n

Learning outcomes

A Leading Diver is a diver who can take charge of a group of divers, experienced and inexperienced, plus all the equipment necessary to allow diving to take place successfully and safely.

Leading Diver Brief

Each region's RDO will organise a Leading Diver Brief each year. The brief will go through in detail what is involved in the Leading Diver course and how to work through each of the modules. Attendance at the leading diver brief for this modulated course of the Leading is mandatory, before commencing any modules.

Course Director for each Module

The minimum grade of the Course Director is Moniteur **

Course Instructors for each Module

The minimum grade of the course instructors is Moniteur*. Some signoffs require a minimum grade of Mon**.

Examination for each Module

Each examination for every module is a jury exam, with the Jury President nominated by the NDO and the jury put in place by the jury co-ordinator. The exam location and date is set by the NDO.

Certification

On successful completion of all Three Module tests, the Candidate should apply to Head Office for a Leading Diver Certificate submitting the completed CRF.

Repeat Policy

At the discretion of the JP and NDO, a candidate may be allowed repeat one element of the exam, which they failed.

Competencies and Limitations

As an ongoing process, there will be evaluation of understanding of the material in the lectures and recording of instruction to ensure that the candidate has fully understood the material communicated.

After successful completion of the course and test a Leading Diver is competent to lead divers of any grade on open water dives within the depth restriction of the divers' certification to a maximum of 45m and to organise dive groups. Leading Divers will be involved in leading trainees, however, where there is any element of instruction this will only be given by a qualified instructor.

Leading Diver Module1: Advanced Dive skills, theory and Fitness

Prerequisites

A Candidate must:

1. Hold Full Diver Membership of DIVING IRELAND
2. Be over 18 years of age
3. Present a completed logbook
4. Hold a Club Diver certificate.
5. Hold a Rescue Diver certificate prior to Module 1 Exam. Note for crossover candidates from other agencies the BSAC, PADI and SSI rescue certificates are acceptable as fulfilling this requirement. For further guidance consult the NDO.
6. Hold an up to date DIVING IRELAND Diver First Responder certificate
7. Attend the Leading Diver brief
8. Have a correctly completed Certificate Request Form
9. Register for the course on Go Membership and submit the appropriate Course Fee

Course Director

The minimum grade of the Course Director is a Moniteur **

Course Instructors

The minimum grade of the Course Instructors is Moniteur*. Some signoffs require a minimum of Mon**.

Module 1

This Module is conducted by CFT qualified instructors within a club or at a centre approved by the NDO. It consists of lectures and practical exercises.

Learning outcomes for this module

A Leading Diver is a diver who has good fitness and superb dive skills

Knowledge

Knowledge of this module is gained by passing comprehensive written and practical examinations.

Lectures

Number	Title	Dive Course
1	IUC's Rules, Recommendations & Standards	Leading Diver
2	Diving Environments	Leading Diver
3	Diving Search Skills	S & R
4	Diving Physiology	Leading Diver
5	Diving Physics	Leading Diver
6	Compressors	Leading Diver
7	Diving Computers	Leading Diver
8	Introduction to Technical Diving	Leading Diver

Fitness & Stamina Training

Fitness & Stamina training ensures the diver is water fit in preparation for the Water Skills assessment and for the weekend examination. The diver is required to log 10 snorkels of minimum 30 minutes' duration. This gives the diver an appreciation of the importance and benefits of water fitness.

Practical

Dives

- Night dive x 2
- Limited visibility x 2
- Navigation x 3
- Cold water x 2
- Fresh water x 2
- Drift diving x 2
- Search patterns x 2
- Wreck dive x 2

Note: Each of these dives should be a unique dive and should not be combined with other dives that are logged.

Leading Diver Module 1 Test

Examination

This examination is a jury exam, with the Jury President (Mon*** or higher) nominated by the NDO and the jury put in place by the jury co-ordinator. The exam location and date is set by the NDO.

A Candidate must:

1. Complete the pre-requisite dives for the Leading Diver course
2. Complete the lectures and practical aspects of the Leading Diver Module 1 course
3. Pass a written Theory examination
4. Pass the water fitness assessments
5. Pass the Scuba Skills Dive

Written Theory Examination

Four multiple choice papers will be taken as part of the theory exam. Each exam will be 30 mins duration.

Physics	pass mark 60%
Physiology	pass mark 60%
General Knowledge	pass mark 60%
Dive Management	pass mark 70%

Marks for papers 1, 2 and 3 can be combined to compensate, i.e. a total of 180 marks must be reached by combining the marks provided a pass has been reached in two of the papers, and not less than 45% has been achieved on the third.

Paper 4 must achieve a pass of not less than 70%, with no compensation allowed. A JP and Jury will be appointed to oversee the marking of the papers.

Fitness Assessment

1. 20-10-20 Breath holding test. With your face in the water, hold your breath for 20 secs, surface for 10 secs and repeat for 20 secs.
2. Tow a conscious diver 100m.
3. Fin 1,000m in basic equipment (with weight belt) within 30 minutes.
4. Fin 500m in full Scuba equipment.

Scuba skills dive: (Any suitable depth, not to exceed 20m)

1. Fin 2 minutes without mask.
2. Demonstrate alternate source breathing gas sharing.
3. Demonstrate compass work during a navigation dive
4. Demonstrate safe deployment of SMB.

Examiners Guide to the Module 1 Leading Diver Test

1. Layout

The programme for the Test should take the following layout: (Can be run over 1 full day)

AM	Brief Multiple Choice Exam
PM	Fitness Test Skills Dive
PM	Jury Conference Individual Debrief and Notification of Results General Debrief

2. Written Tests

To be carried out in a classroom. The written theory examination consists of four multiple choice sections

- Diving Physics
- Diving Physiology
- General Knowledge
- Dive Management

Pass mark 60% in the first three papers above and 70% in Decompression Management. Marks for papers 1, 2 and 3 can be combined to compensate, i.e. a total of 180 must be reached by combining the marks provided a pass has been reached in two of the papers, and not less than 45% has been achieved on the third. Paper 4 must achieve a pass of not less than 70%, with no compensation allowed. A JP and Jury will be appointed to oversee the marking of the papers.

3. Fitness Test

To be carried out in a calm sheltered water. Boat cover should be provided for the snorkelers.

The following task must be achieved:

1. 20 10 20 breath holding test. With face in the water, hold breath for 20 secs, surface for 10 secs and repeat for 20 secs.
2. Tow a conscious diver 100m.
3. Fin 1,000m in basic equipment (with weight belt) within 30 minutes
4. Fin 500m in full Scuba equipment.

4. Scuba Skills Test

- Skills Dive: Not to be deeper than 20m. The candidate to demonstrate that they can dive without a mask for 2 minutes. They can demonstrate alternate source as DONOR and RECEIVER. They should also be able to complete a navigation test, that should not take more than 5 minutes. Examine that a SMB is deployed safely.

NB. All dives may be undertaken using a dive computer and/or Nitrox (if qualified).

Leading Diver Module 2: Deeper dive skills

Prerequisites

A Candidate must

1. Hold Full Diver membership of DIVING IRELAND
2. Be over 18 years of age
3. Present a completed logbook
4. Hold a Club Diver certificate
5. Hold a Rescue Diver certificate prior to Module 2 Exam
6. Hold a current CFT Diver First Responder certificate
7. Have logged all the practical pre-requisite dives for this course
8. Have a correctly completed Certificate Request Form
9. Register for the course on Go Membership and submit the appropriate Course Fee

Course Director

The minimum grade of the Course Director is Moniteur **

Course Instructors

The minimum grade of the Course Instructors is Moniteur*. Some signoffs require a minimum grade of Mon**.

Module 2

This Module is conducted by CFT qualified instructors within a club or at a centre approved by the NDO. It consists of lectures and practical exercises.

Learning outcomes

A candidate who successfully completes this module is a diver who is capable of leading divers, experienced and inexperienced, in different types of conditions and depth ranges, successfully and safely.

Knowledge

Knowledge of this module is assessed by passing a practical examination.

Module Lectures

Number	Title	Dive Course
1	Attend Leading Diver Brief or LD Mod 2 brief	Leading Diver Mod 2
1	Deeper Diving	Leading Diver Mod 2
2	Shot Lines	Leading Diver Mod 2
3	Dive Tables and Decompression Theory	Mon 1 part 1

Module Dive:

A 30m dive should be done using a shot line. It should be a square profile dive. Candidate to show good leadership on the dive and the dive should be led in a safe and enjoyable manner. At a minimum air consumption and NDL should be managed correctly. The candidate should successfully return to the shot and manage the ascent correctly. Candidates to organise the shot line and show that they can correctly deploy and retrieve it safely.

Deep Dive Record

- 35m x 2
- 40m x 2

Deep Dive Leadership Record

Note: Candidates are practising leading these dives under the guidance of a diver with minimum qualification of Leading Diver

- 35m x 1
- 40m x 1

Leading Diver Module 2 Test.

Examination

This examination may be either a jury or non-jury exam

- **Jury Format** exam
When this module takes place as part of a Leading Diver Module 2/3 weekend a Jury President (Mon*** or higher) will be nominated by the NDO and a jury will be put in place by the jury co-ordinator. The exam location and date will be set by the NDO. The first dive of the weekend would accommodate this test. The candidate in this case must be completing the full weekend Mod 2/3 exam.
- **Non-Jury Format**
This examination will be organised by the RDO as part of a standalone specialty course.

A candidate must

1. Complete the lectures and practical aspects of the Leading Diver Module 2 course
2. Pass the Scuba Skills Dive
3. Pass the shot line deployment and retrieval test

N.B. The use of SMBs is encouraged

Diving Practical

1. The 40m dive: During this dive, all divers dive their grades and are assumed competent. Candidates are examined under the following headings.

Dive Leadership: Beginning when buddies are named during the brief, continuous throughout the journey to the dive site, during the dive and back to the debrief. Good dive leadership at depth is shown by the diver when they descend safely down a shot line, complete their narcosis test and skills, and continue the dive and do the ascent in free water. NDL and air checks should be evident throughout the dive.

Signals: The candidate is assessed for his/her susceptibility to narcosis by means of a prearranged signal.

Mask and Mouthpiece removal: The ability to undertake this confidently and smoothly is assessed.

2. Shot line deployment and retrieval

For this dive, candidates should show as a team the following:

- They can present a properly prepared shot, shotline and buoy.
- Deploy a shot line to the correct depth and dive site location.
- Retrieve a shot line safely.

Examiners Guide to the Module 2 Leading Diver Test

1. Layout

The programme for the Test should take the following layout (can be 1 full day)

Saturday

AM	Brief 40m Dive with shot line deployment and retrieval
PM	Debrief and results

2. Comments for Guidance

40m Dive. The mask must be fully removed from the head and held briefly at arm's length. The mouthpiece is then removed and held at arm's length. The mask and mouthpiece should be replaced in an unhurried manner. This dive is also designed to enable the examiner to assess the susceptibility of the candidate to narcosis. This could be done by prearranging an irrelevant signal to be given when at 40m, as well as by observing the candidates behavior generally at depth. Then the candidate should demonstrate navigation to a reef and to lead a safe profile for the dive. NDL should be kept within safe limits and a close eye should be kept on air consumption.

Shot line to be deployed correctly and in the correct location. Also check that the shot line is retrieved in a safe manner.

All dives may be undertaken using a dive computer and/or Nitrox (if qualified).

Leading Diver Module 3: Dive Organization and incident management

Prerequisites

A candidate must:

1. Hold Full Diver membership of CFT
2. Be over 18 years of age
3. Present a completed logbook
4. Hold a Club Diver certificate
5. Hold a Rescue Diver certificate prior to the Module 3 Exam
6. Hold a Diver Cox'n certificate 4 weeks prior to the Module 3 exam
7. Hold a current CFT Diver First Responder certificate
8. Have logged all the practical pre-requisite dives for this course
9. Have a correctly completed Certificate Request Form
10. Register for the course on Go Membership and submit the appropriate course fee

Course Director

The minimum grade of the Course Director is Moniteur **

Course Instructors

The minimum grade of the Course Instructors is Moniteur*. Some signoffs require a minimum grade of Mon**.

Module 3

This Module is conducted by CFT /IUC qualified instructors within a club or at a centre approved by the NDO. It consists of lectures and practical exercises.

Learning outcomes

A candidate who successfully completes this module is a diver who is capable of taking charge of a group of divers, experienced and inexperienced, plus all the equipment necessary to allow diving to take place successfully and safely.

Knowledge

Knowledge of this module is gained by passing comprehensive written and practical examinations.

Module Lectures and workshops

Number	Title	Dive Course
1	Chart Work Practical	Leading Diver
2	Dive Organisation: Planning Workshop	Leading Diver
3	Dive Organisation: On the day Workshop	Leading Diver
4	Dive Organisation: Briefs and Debriefs workshop	Leading Diver
5	Treatment of Dive Accidents	Leading Diver
6	Incident Management Workshop	Leading Diver

Workshop documentation:

Candidates will create a dive plan and dive brief during this workshop. They will be reviewed by instructors to ensure course learning outcomes are met.

Dive Organisation Training Within Club x 7

Lead seven scuba training groups and incident management to the satisfaction of an instructor with a minimum grade of Moniteur**. Five (5) sessions must be graded. A minimum of three (3) sessions to D grade or higher, with two (2) sessions graded to a C grade or higher.

Dive Organisation Training Outside Club x 3

Be examined on three separate occasions on dive organisation and incident management of a dive group by an instructor of a minimum grade of Moniteur** . The three sessions must achieve a minimum grade of two (2) grade C and one (1) grade D. During these 3 sessions it is expected that the candidates will dive themselves and not exclusively act as DOD..

Candidates should plan to have these completed one month prior to the exam, so that they will have more opportunities to log extra external DODs.

Note:

- The internal and external DODs can be done in any order.
- External examiners can sign off internal DODs.

Leading Diver Module 3 Test - Weekend exam

The Examination

This examination is a jury exam, with the Jury President (Mon*** or higher) nominated by the NDO and the jury put in place by the jury co-ordinator. The exam location and date is set by the NDO.

Diving Practical

There are five tests in this section;

1. Pleasure dive (max depth 30m) (or Module 2: 40m dive assessment)
2. The 20m dive
3. The 30M Dive
4. The emergency
5. Organisational ability

Note, if the Module 2 exam is to be run in conjunction with this modules examination, then reference Module 2 examination. All elements of this exam must be run for these candidates.

1. Pleasure dive: It is assumed that all divers are diving their grades and are competent. This dive should be deeper than 20m and max depth is 30m. Dive leadership is not examined on this dive, but safety should not be compromised. Dive site choices should show that they know the best dives sites for that location, sea and weather conditions.

NB: The use of SMBs is encouraged on all dives.

2. The 20m dive: Examiners are assumed to be trainees undertaking their first 20m dive, so they have undertaken approximately thirteen dives. *Under examination are **dive leadership and safety**.*

3. The 30m dive: It is assumed that all divers are diving their grades and are competent. ***Dive leadership is again being assessed.***

4. The emergency: This can occur at any time during the weekend (except during a dive) and may occur more than once. The candidates will be examined on their ability to:

- Recognise and act promptly when faced with a simulated emergency situation
- In the case of a diving related incident or injury
 - Diagnose possible problems/conditions based on the symptoms presented
 - Act to stabilise the victim
 - Inform the Emergency Services
 - Organise to have the casualty removed from the scene and treated. The assessment will also take into account the general care shown to the victim during the emergency.
- Act swiftly and correctly when faced with onshore, health, weather related and boating incidents

There will be no in water incidents during the examination.

5. Organisational ability: This section deals with the candidate's 'Dive Planning' skills, which are assessed while the candidate acts as DO for his/her sub group from start to finish on one of the three previously mentioned dives. As a group, they will be examined with boat launching and retrieval, site management, emergency vehicles, and cylinder filling. It should be noted that the candidates are responsible for the cylinder filling of all participants on the LD weekend.

Safety: An overall safety mark will be awarded to the candidate. This will be based on the candidate's overall performance over the weekend and it will also include individual and team work tasks.

Practical Tests:

The candidate's practical knowledge and operation of equipment will be assessed. The topic under assessment will be an oral test on the operation of a diving compressor. The candidate should also have a basic knowledge of the main parts of the compressor.

Examiner's Guide to the Module 3 Leading Diver Weekend Test

1. Layout

The programme for the Test should take the following layout:

Friday

PM	General briefing
----	------------------

Saturday

AM	20-30m Pleasure Dive or Module 2 40m dive assessment
PM	Compressor practical tests 20M dive
EVENING	Jury Conference JP to meet all candidates

Sunday

AM	30m Dive
PM	Jury Conference Individual Debrief and Notification of Results General Debrief

2. Comments for Guidance

- **Pleasure dive:** It is assumed that all divers are diving their grades and are competent. This dive should be deeper than 20m and max depth is 30m. Dive leadership is not examined on this dive, but safety should not be compromised. Dive site choices should show that they know the best dives sites for that location, sea and weather conditions.
NB: The use of SMBs is encouraged on all dives. .
- **The 20m dive:** Examiners are assumed to be trainees undertaking their first 20m dive, so they have undertaken approximately thirteen dives. ***Under examination are dive leadership and safety.***
- **The 30m dive:** It is assumed that all divers are diving their grades and are competent. ***Dive leadership is again being assessed.***
- A reaction test to a simulated emergency can take place at any time during the weekend. (No in water incidents).
- All dives may be undertaken using a dive computer and/or Nitrox (if qualified).

3. Practical Tests (to Leading Diver standard)

The subject to be tested is Compressors

NATIONAL DIVER (CMAS DIVER**)**

A National Diver is a very experienced diver who has logged a large number and wide variety of dives since becoming a Leading Diver. A National Diver is capable of leading and organising divers in a broad range of diving activities.

Prerequisites:

A Candidate must:

1. Hold Full Diver Membership of DIVING IRELAND
2. Be a Leading Diver for 2 years.
3. Log 100 dives, a minimum of 50% in Irish waters after becoming a Leading Diver.
4. Hold a valid, current DFR Certificate.
5. Have a correctly completed Certificate Request Form.
6. Register on Go Membership and submit the appropriate certificate Fee

Logging the 100 Dives:

1. All dives must be to a minimum of 10m.
2. Dives must be countersigned by the dive buddy.
3. Dives must be logged on the correct form.
4. When dives are completed, form must be countersigned by the DO and attached to the logbook.

The 100 dives must include the following:

1. Deep Dives 1 x 45m, 5 x 40m, 4 x 30m+
2. Cold water dives 2 dives (i.e. 1 Jan – 1 Mar)
3. Wreck dives X 5
4. Fresh water dives X 2
5. Night dives X 5
6. Trainee dives X 10 leading a trainee on a qualifying dive for Club Diver or Leading Diver

All dives must be to a minimum of 10m. A minimum of 50 dives must be logged in Irish waters.

Certification

On completion of the required dives, the Candidate should apply to Head Office for a National Diver Certificate submitting the completed CRF.

MONITEUR* (CMAS MON 1*) SPORT IRELAND ADVANCED INSTRUCTOR

A Moniteur* is a Leading Diver who has been trained and examined in the theory and practice of teaching divers and snorkelers, both in and out of the water, according to CFT's diving and snorkelling modules. A Moniteur* is not qualified as an examiner, except of snorkel and trainee divers at club level. A Moniteur* may assist on suitable regional examinations under the supervision of examiners. A Moniteur* may attend a Cox'n Instructor course and, if successful, can then assist in the provision of Cox'n courses. A Moniteur* must have completed the Cox'n Instructor Course before attending the Leading Diver Jury. This course meets or exceeds the standards of Sport Ireland Advanced Instructor

Prerequisites

A Candidate must:

1. Hold Full Diver Membership of DIVING IRELAND
2. Be an active Leading Diver (Diver***)
3. Be 19 years of age or over
4. Have a correctly completed Certificate Request Form
5. Hold a current DFR Certificate at time of qualifying
6. Attend the Moniteur* Brief
7. Register for the course on Go Membership and submit the appropriate Course Fee

Course Director

The minimum grade for the Course Director is Moniteur*** appointed by the NDO.

Course Organiser

The Course Organiser will usually be the RDO or an appointee of the RDO.

Course Instructors

The minimum grade for the Course Instructors is Moniteur1*

Course Content

The course consists of two parts.

- Part 1 assesses knowledge of diving theory and in water skills.
- Part 2 covers teaching and instruction techniques and include an open water dive.

Candidates must be successful in the theory and pool assessment prior to commencing part two.

Part 1 - Theory

After the Moniteur* Brief, the Candidates have a period of study of not less than four weeks following the Moniteur* syllabus, to bring their knowledge up to the required standard. Four written papers, Physics, Physiology, General Knowledge and Dive Management are taken at the end of the study period. Candidates are advised to arrange workshops and seminars for required subjects as they feel necessary. Study groups can help as knowledge can be shared between candidates. The following lectures must be run for the candidates:

- Physics Theory
- Physics Practical
- Dive Management
- Physiology
- Dive Accidents

Note: The Course Director should provide a list of Moniteur*s and Moniteurs from the candidates' clubs/regions who can help the group, taking care not to compromise the makeup of the final assessment Juries.**

The Theory Syllabus

The syllabus used to study for the written examinations has been developed to ensure that candidates have an in depth knowledge of the subject matter required to teach the following courses and CFT Modules:

- Diver1*
- Club Diver
- Diver First Responder
- Cox'n Diver
- Rescue Diver
- Leading Diver

Candidates should be thoroughly familiar with the modules themselves, the material contained in them as well as the background theory and its relevance.

Moniteur*s are required to assist with the delivery of other courses and act as a focus of knowledge for other divers, therefore they should be familiar with the material covered in the Nitrox Diver, Advanced Nitrox Diver, Extended Range Nitrox Diver, Search and Recovery and Gas Blender Modules. As further modules are developed these should also be studied.

Texts that are widely available have been listed and referenced to provide "Topics of Relevance" to the Moniteur* and are included in the Moniteur* Student Hand-out. Careful use of the information available on the Internet, from CMAS, BSAC, PADI and other websites can be very informative. Information from other specialised agencies such as the Royal Yachting Association (RYA), Irish Water Safety and the Royal Life Saving Society can be invaluable. However, it must be remembered that information, methods and techniques as presented in DIVING IRELAND Modules take precedence over those of other agencies. Remember also that the relevance of certain topics will change over time, new research will be published and that there is no substitute for a broad base of knowledge and experience.

Past examination papers should be used to focus study and improve exam technique. Past papers are available through a link on the DIVING IRELAND website www.diving.ie.

Assessment

1. Theory

Four written papers will be taken at the end of the study period (no less than 4 weeks after the brief) under the following headings:

Physics	pass mark 60%
Physiology	pass mark 60%
General Knowledge	pass mark 60%
Dive Management	pass mark 70%

Marks for papers 1, 2 and 3 can be combined to compensate, i.e. a total of 180 marks must be reached by combining the marks provided a pass has been reached in two of the papers, and not less than 45% has been achieved on the third.

Paper 4 must achieve a pass of not less than 70%, with no compensation allowed. A JP and Jury will be appointed to oversee the marking of the papers.

2. Pool

All candidates will be assessed on the standard of their pool skills. All pool skills from Diver 1* and Club Diver courses must be performed easily and confidently. The candidates will be assessed on each of the in-water skills they are asked to demonstrate.

The skills assessment must at a minimum include all of the following.

8. Ditch and recovery of basic equipment
9. Forward and backward roll
10. Towing
11. Out of air exercise with buddy breathing
12. Ditch and recovery of full scuba equipment
13. SMB deployment
14. Methods of entries

The Course Director must assess candidates' pool skills and be satisfied that candidates can demonstrate the exercises to a high standard.

Part 2 – Instructing

Part 2 of the course consists of a number of lectures on instructing and techniques in both the class and in water situations. The candidates will then practice the instruction skills by preparing and giving lectures and pool instruction.

Suggested Format

Weekend/session 1

Five-minute lecture

Each candidate will begin the course by presenting a previously self-chosen topic for no more than five minutes. This will be reviewed, possibly using video, by the course Instructors. A sample video selection may be reviewed depending on class size.

The first weekend/session of the course will cover all the lectures to be given to the candidates. All lectures of this first session will be presented by experienced Instructors to provide the candidates with a demonstration of correct teaching techniques.

Lectures

8. Introduction to DIVING IRELAND modules (45 minutes)
9. Responsibilities (45 minutes)
10. Principles of teaching and learning styles (45 minutes)
11. Session planning (45 minutes)
12. Presentation and visual aids (75 minutes)
13. In water instruction (75 minutes)
14. Child Protection Awareness (delivered separately on completion of the course)

Pool

The Course Director will organise this first pool session as a demonstration of organising and in water teaching to the candidates. In this first session each candidate will also instruct a group in the pool in at least one snorkelling and one scuba skill.

Weekends/Sessions 2, 3 and 4 (if required)

Further weekends/sessions will be used for candidates' practice sessions.

Candidate instructional skills

The candidate will practise their instructional skills by:

4. Giving lectures - minimum 4 per candidate, of no more than 45 minutes duration. (Candidates will be given the option of presenting their assigned final test modular and non-modular lectures on two optional dates prior to the final test). Any of the module lectures from Diver1*, Club Diver or Rescue Diver courses may be used.
5. Organising and teaching in the pool with a minimum of three 90-minute pool sessions to practise wet teaching techniques. The candidates will be responsible for the organisation of the pool. A simulated emergency should be run at each session by the instructors.
6. Carrying out an open water dive to practice demonstrating a skill from the Diver1* or Club Diver training modules.

Final Assessment

An appointed Jury will examine the candidates under the guidance of a JP.

The final exam consists of four elements:

5. Presentation of module lecture - the lecture should last for no more than 45 minutes (this will preclude some lectures from the modules). The Course Director will assign the lecture topic to each candidate no more than 2 weeks prior to the final assessment.
6. Presentation of non-module lecture - the candidate will plan, prepare and present a 20 minute non-module lecture on a subject assigned by the Course Director from a list of possible subjects drawn up nationally and provided to the Course Director by the NDO. The topics will be assigned no more than 4 weeks prior to the final assessment. The non-module lecture should be directed at Instructor level.
7. In-water practical instruction (confined water) - the candidate will be assessed instructing on one pool skill from the Diver1* or Club Diver training module. The JP will organise the pool and assign the pool skill to each candidate.
8. In-water practical instruction (open water) - the candidate will be assessed during an open water dive instructing on one open water exercise from the Diver 1* or Club Diver training modules. The Jury President will organise the dive and choose the exercise for each candidate. The dive can be conducted from the shore or a boat and must not exceed 10m in depth. The candidate will be assessed doing a full dive briefing and pre-dive checks prior to the dive and a post dive de-brief. A simulated surface emergency should be conducted and assessed.

Certification

On successful completion of the final assessment the Candidate should apply to Head Office for a Moniteur* Certificate submitting the completed CRF.

Template Programme for Regional Diving Officers and Course Directors

Moniteur* Brief

Candidates will be given a handout detailing the contents of the Moniteur* course, together with the topics of relevance and the suggested texts for reference.

The date for the written papers will be set at this time. The RDO and the Course Director will set the date for the pool assessment, as this will be dependent on local availability.

Written Papers and Pool Assessment

The written papers will be taken on a single day and marked by a Jury, under the guidance of a Moniteur***. Both written and pool assessments must be passed before the start of the second part of the course.

Part two of Moniteur* course

The programme must be designed to allow for each candidate to practise:

1. Module lectures x 4
2. Pool Briefing x 3
3. Pool instruction x 3 (wet practical instruction)
4. Pool organisation x 2

Final Assessment

Examined by a Jury under a JP:

1. Module lecture: topic from Diver1*, Club Diver or Rescue Diver module given no more than 2 weeks prior to final assessment
2. Non-module lecture: topic chosen no more than 4 weeks prior to final assessment
3. In water practical instruction (confined water): one skill from Diver1* or Club Diver modules
4. In water practical instruction (open water): one skill from Diver1* or Club Diver modules

Suggested Programme

Part II of the Moniteur* course: Instructional skills, may be run on successive weekends or on selected weekday evenings as best suits the group dynamic.

Candidates should be given a week to prepare their 4 lecture topics. It may be necessary to alter the programme to accommodate pool times. However, it should be noted that for the candidate to get the maximum benefit from pool time, the Pool/Wet Instruction Techniques lecture and Pool Briefing workshop should be completed first.

The Course Director will select the topics for the final assessment.

Weekend 1

Saturday AM	5 Minute lectures by candidates. Introduction to DIVING IRELAND modules and standardised practical skills principles. Theory of teaching pool/wet instructional techniques
Saturday PM	Practical Workshop: Pool Briefing Techniques Standardised pool teaching techniques
Sunday AM	Lectures Presentation of Lecture Visual Aids, Cox'n Instructor Module, Instructor Responsibilities
Sunday PM	Practical workshop Pool Organisation Use of visual aids. Lecture topics from modules handed out – 2 per candidate

Weekend 2

Saturday AM	Module lectures – first lecture for each candidate. Pool organisation – by candidates
Saturday PM	Practical Workshop Pool Briefing Lecture preparation and planning
Sunday AM	Module Lectures – second lecture for each candidate General feedback from lectures
Sunday PM	Lecture topics from module handed out – 2 per candidate. Non module lecture topic for final assessment assigned to candidates

Weekend 3

Saturday AM	Module lectures – first lecture for each candidate Pool organisation – by candidates
Saturday PM	Practical Workshop Pool Briefing feedback on pool organisation
Sunday AM	Module Lectures – second lecture for each candidate General feedback
Sunday PM	Workshop. Open water instructional dive. Feedback on open water instructional dive. Course debrief.

MONITEUR JUROR TRAINING**

Introduction

Aims and Principles

This course is designed to provide a basic introduction for DIVING IRELAND examiners to the principles of assessment and the way in which the DIVING IRELAND examination system operates.

The course assesses the ability of the candidates under four headings:

1. Suitability as an examiner.
2. The ability to organise a test.
3. The ability to fairly assess a candidate's performance.
4. Cooperation with other Moniteurs as a member of a jury

This course is a compulsory course for Moniteurs* wishing to proceed to the level of Moniteur**. It may be taken any time after the Moniteur* certificate is awarded, but must be satisfactorily completed before a newly qualified Moniteur* is allowed to act as a Trainee Juror on Leading Diver, Moniteur*, Rescue Diver or Diver Cox'n Exams.

The basic principle underlying this course is that each participant should rehearse and develop the skills required to develop candidates for DIVING IRELAND exams.

Assessment

A jury of Moniteurs***, or Moniteurs** who have successfully completed the Juror Training Course, in the ratio of one juror to two candidates, will oversee this course. A Jury President will be nominated by the National Diving Officer. The jurors will assess the performance of each candidate and contribute to all briefing and debriefing sessions. Each candidate will receive a full assessment of their performance and an individual debrief at the end of the course. Candidates who do not perform adequately under the four categories listed in 1.1 above will be asked to repeat the course. It is intended that self-assessment by candidates will also play an important role.

Prerequisites

A candidate must:

1. Hold Full Diver Membership of DIVING IRELAND
2. Hold the Moniteur* certificate.
3. Have a correctly completed Certificate Request Form.
4. Hold a current Active Diver Certificate.
5. Hold a current DFR Certificate.
6. Register for the course on Go Membership and submit the appropriate Course Fee

Course Director

The minimum grade for the Course Director is Moniteur***

Course Instructors

The minimum grade for the Course Instructors is Moniteur**

Course Content

The Course consists of a series of lectures and the candidates' individual assessment of

1. Waterwork (20m max)
2. Lecture
3. Written work

Waterwork

The candidate, in an open water situation will assess another diver carrying out an exercise from the current DIVING IRELAND set of courses, for example a skill from the current "Rescue Diver" course, or indeed any skill from the current list of courses.

The candidate will discuss the exercise & allocate a mark, this mark should agree, within reason, with the experienced juror's assessment, if the candidate is to pass.

Lectures

The candidate will assess a lecture, of 15 minutes' duration, using the marking sheet from the Instructor's Handbook.

The candidate will take part in a discussion of the lecture & allocate a mark for same. Again, this mark must coincide with the experienced Jurors assessment, if the candidate is to pass.

Written Work

The candidate will assess the written answers from a Moniteur* paper, in other words "correct" a paper. A full discussion will take place & a mark will be allocated to the paper. Again, this mark will coincide with the Jurors assessment, if the candidate is to pass.

Jury Role Play Exercise

Candidates will participate in a discussion on a simulated situation. Candidates will be given a scenario and will discuss it in a group including other candidates and jury members.

Organisation

The course will run for a full day & proper safety procedure will be observed throughout the course.

Suggested Agenda

0900	Registration
0915	Introduction to the CFT examination jury system assessment techniques
1000	Exercise Assessment: Open water exercise decided by JP
1300	Discussion debrief and Lunch
1415	Jury Role Playing Discussion
1515	Lecture Assessment
1600	Written work assessment
1700	Debrief and Discussion

MONITEUR**

A Moniteur2** is an experienced instructor who is qualified to teach and examine all grades of diver and may teach and examine Moniteurs1*.

A Moniteur2** must hold a Diver Cox'n Instructor cert to act as an examiner or log a jury while assisting on a Diver Cox'n assessment.

Prerequisites

A Candidate must:

1. Hold Full Diver Membership of DIVING IRELAND.
2. Hold the Moniteur* cert. for minimum of 1 year.
3. Have worked regularly within the club since becoming an instructor.
4. Have assisted the RDO in organising at least 2 courses e.g., lecture to a club etc.
5. Have attended & attained a pass in the "Juror Training Course".
6. On completion of the "Juror Training Course", be assessed as a trainee Examiner on the following examinations/tests:
 - a) Any Jury module of the Leading Diver course
 - b) Rescue Diver
 - c) Assist at a "Club Diver Test"
 - d) Assist at a "Diver Cox'n Test"
 - e) Moniteur*
7. Have a correctly completed Certificate Request Form

Certification

On successful completion of all juries, the Candidate should apply to Head Office for a Moniteur** Certificate, submitting the completed CRF.

MONITEUR * (CMAS MONITEUR***)**

This grade represents the highest level of teaching and technical competence as well as the highest diving grade. It is awarded following assessment and empowers its holder to be elected or nominated to the Technical Commission and to hold the position of President of the Technical Commission (NDO). It also allows him/her to prepare and carry out diving courses and tests under the direction of the NDO and Technical Commission and act as Jury President on DIVING IRELAND tests

General Requirements

A candidate must:

1. Be a capable Instructor both in water and in a classroom situation.
2. Be proficient in the organisation necessary to lead large groups of divers safely.
3. Be competent in the performance of all tasks as required by each CFT test.
4. Be competent in the organisation and administration of all DIVING IRELAND courses and assessments as described in the Training and Standards Manual CFT401.
5. Be able to deal with any emergency that may arise either wet or dry and to act accordingly.
6. Be capable of assessing the capabilities of others while acting as an examiner.

Prerequisites and skill requirements for the M3***

1. Hold Full Diver Membership of DIVING IRELAND and be an active diver.
2. Be a DIVING IRELAND examiner (Moniteur**) for a minimum period of three years.
3. Be at least 21 years of age.
4. Have worked regularly with a club or within DIVING IRELAND since obtaining the Moniteur** certificate.
5. Have participated in a minimum of eight juries of which two must be LD juries and two Moniteur * juries.
6. In the case of former or current RDOs the jury requirements in 5 (above) are reduced by 50%
7. Have completed a fitness test that includes a snorkel of 1500 metres in basic equipment without difficulty and then snorkel 1000 metres in full scuba diving gear. (to the satisfaction of the RDO or an examiner appointed by the NDO)
8. Achieve a pass mark in all four theory papers: Dive Management, Physics, Physiology & General Knowledge.
9. Notify the National Diving Officer of intention to apply for the course. Each individual application will be reviewed by the NDO and the Jury President of the course.
10. Register for the course on Go Membership and submit the appropriate Course Fee

Course Director and Jury Members

The minimum grade for the Course Director and all Jury Members is Moniteur***

Examination

The examination for the M3*** will comprise the following 4 components.

1. Theory examination comprising four 2 hour written papers over a weekend on the following subjects
2. Role Playing and Lectures over a weekend
3. Water fitness test
4. 4-day scuba assessment with a minimum of five assessed dives.

Segment 1: Written Theory Assessment

There will be four papers, each of two hours' duration.

1. Physics
2. Physiology
3. General Knowledge
4. Dive Management

Guide to the Written Theory Assessment

1. Each paper will be written by not less than two Moniteurs***, one of whom will be a current member of the TC, who in conjunction with the Jury President will comprise "The Theory Sub-Committee".
2. The Jury President in conjunction with the NDO may require that questions be re-written or deleted. This will be done by the writers
3. The papers may have not more than 1 compulsory question, which may have more than 1 part but not more than 4.
4. Each paper will have a choice of not more than 2 questions.
5. The questions must seek information which should be reasonably specific (not just one line answers) except in multipart questions.
6. The marks for each question will be indicated clearly on each paper.
7. In the event of a border line case the Jury President may ask other members of the Jury to carry out a second assessment. If the first marking fails, and the second marking passes, the Jury President will make the final decision.
8. Only one remark is allowed of each paper should it be necessary.
9. In the event of an appeal by a candidate, the Theory Sub-Committee will deal with the appeal and make a decision.
10. A final appeal may be taken to the NDO only after going through the Theory Sub-Committee.

The Examination

1. Candidates are allowed to bring their own pens, pencils, Dive Tables, rulers and nonprogrammable calculators.
2. Smartphones and other smart devices may not be used
3. Where papers are being held consecutively there must be at least a 30-minute break between each paper.
4. The Jury President will notify the candidates of their results in writing.

Segment 2: Lecture and Jury President Role Playing Exercise

Prepared Lecture

1. After passing the written theory papers, candidates will be given a minimum of four weeks' notice of the topic and date of delivery of the prepared lecture.
2. The lecture may or may not be chosen from an existing Module and will be related to DIVING IRELAND activities.
3. Each lecture will be of 30 minutes with 10 minutes of questions and will be delivered at Moniteur*** level.
4. The pass mark for the lecture will be 70%.
5. There will be no retake of this lecture.

Jury President Role Playing Exercise

1. Candidates will be presented with a “Problem Area” from a Test or Course, which they will deliberate on, and forward a solution.
2. The results for this segment, where possible, will be given verbally at the end of this session.

Note: A Candidate may carry one E from either of the above Segments.

Segment 3: Water/scuba fitness Assessment

This is to take place no more than six months in advance of the Scuba practical test. During this assessment candidates will demonstrate (to the satisfaction of the RDO or an examiner appointed by the NDO) the following.

1. Snorkel 1500 metres, in basic gear, without difficulty
2. Snorkel 1000 metres in full Scuba equipment, properly weighted

Segment 4: The Practical Assessment

Scuba Tests

1. Rescue a diver from 30 metres. This dive will be terminated at the 6-metre mark to allow for a safety stop. The rescue may be continued on the surface after that time.
2. Surface tow and land the victim into a boat.
3. Practice use of Alternative source use while ascending 10 M at the correct ascent rate. This exercise should not continue to a depth shallower than 10M
4. In full equipment, ascend from 30 metres without the use of fins (buoyant ascent).
5. Remove mask and swim beside the examiner for 2 minutes at depth.
6. Perform a free ascent from 30 to 15 metres without the use of a shot line. The mouth piece must be retained in the mouth and the ascent rate should be as close to a normal rate of ascent as possible (10 M per minute)
7. Lead a dive to 45 metres demonstrating safe and effective dive leadership. At 45m, demonstrate a previously agreed narcosis test signal
8. Introduce a Diver1* to first 20m dive.
9. Teach a skill to a Diver1* under sea conditions i.e. alternative source use, buoyancy control etc.
10. Night Dive

Scuba assessments may be carried out during any dive undertaken over the course of the test. The candidate will be assessed and awarded a grade for Dive Leadership on each dive throughout the scuba test segment.

Leadership/Examination/Theory

Practical Test

1. Lead a discussion for 15 minutes on a topic, test or course as designated by the Jury President. Candidates will be given 30 minutes' preparation time, after which he/she will be expected to introduce the subject for the first 5 to 6 minutes, then lead the jury into discussion for the remainder of the time.

2. Participate in:
 - a) Theoretical exercises around jury deliberation
 - b) Examining people on JP expectations
 - c) CFT appeals procedure discussions
 - d) Roll play exercises relating to real problems experienced by JP's when running exams and courses.

Certification

On successful completion of all aspects of the test, the Candidate should apply to Head Office for a Moniteur*** Certificate, submitting the completed CRF.

General Information

The jury will be selected by the NDO in conjunction with the Jury President. Jury selection must be done well in advance of the test proper as a large volume of preparatory work will be expected of them.

A CMAS representative may be invited to attend. Candidates will be requested to nominate a spokesperson to act as liaison between the Jury President and the candidates.

Diving will alternate between hard boat and RIB/inflatables.

Moniteur*** Theory Examination Syllabus

Below is a list of subject headings from the four disciplines on which the Moniteur *** theory exam will be based. It is comprehensive but should not be considered entirely exhaustive.

Questions in each of the disciplines may not necessarily be restricted to the subject headings below e.g. while Gas Laws are indicated under Physics, it is reasonable to assume that gas laws such as Henry's law and Dalton's law could also appear in the Physiology paper. Similarly, questions concerning diving related injuries/diseases may be asked in either the Physiology or the Dive management paper. This is particularly relevant to the General Knowledge paper where questions may be asked from any discipline.

A sample reading reference below, combined with past papers will indicate the standard of knowledge to be achieved. The format may not be like previous papers.

Physics

- Light
- Sound
- Pressure
- Mass
- Density
- Volume
- Temperature
- Heat Transfer
- Gas laws
- Properties of Water
- Physics of a Bubble
- Buoyancy
- Archimedes Principle

Physiology

- Ear
- Eye
- Circulatory System
- Blood: components and functions
- Patent Foramen Ovalle
- Respiratory System
- Metabolism
- Shock
- Hypothermia / Hyperthermia
- DCI Symptoms & Types (DCS & AGE)
- DCS: Contributory Factors
- Decompression Theory
- Gases (Clinical Features, Treatment and Prevention)
- Nitrogen Narcosis
- HPNS
- Hypoxia
- Immersion Pulmonary Oedema

Physiology continued,

- Oxygen Toxicity
- Carbon Dioxide Problems
- Carbon Monoxide Toxicity
- Barotraumas: Types, Signs/Symptoms, Treatment and Prevention
- Drowning: Types, Signs/Symptoms, Treatment
- Poisonous Sea Life Injuries: Signs/Symptoms & Treatment
- Dysbaric Osteonecrosis
- Stress
- Drugs & Diving
- Women & Diving
- Psychological Disorders
- CFT Dive Medicals

Dive Tables, Dive Computers & Prevention and Treatment of Diving Accidents

- CFT Rules and Recommendations
- Tables
- Computers
- Dive Profiles
- Decompression Theory
- DCI/DCS
- Mixed Gas Diving
- Nitrox: EAD, MOD etc.
- Hyperbaric Therapy/Treatment
- CPR, AED & Oxygen Administration
- All Diving Related Injuries as per Physiology
- Altitude & Fresh Water Diving

General Knowledge

- Chartwork/Navigation
- Weather
- Tides
- Ropes and Knots
- Compressors
- Regulators & Cylinders
- Dive boats and engines
- GPS
- All CFT Courses/Instructor
- Training and Standards Manual
- CFT Rules & Recommendations and
CFT documentation relating to general instructions to Jury Presidents
- Recent Diving Developments
- Decompression Diving
- Rebreathers & Technical Diving
- CFT Rebreather Policy
- Rebreathers: Closed & Semi Closed
- Occupational Diving
- Cave/Cavern Diving
- Free diving
- Diving History

General Knowledge continued,

- Maritime law / by laws specifically relating to diving and use of sea craft
- Towing regulations
- Dive Planning
- Risk Management /Assessments
- Lesson Plans: General Principles / Templates
- Tidal & Wave Theory
- Relevant Health & Safety Legislation e.g. Child Protection
- Role of CFT Examiner
- Role of CFT Instructor

Suggested Reading List

- Deeper into Diving
- Lippmann BSAC Diving Manual
- CFT Course Handouts
- CFT Training and Standards Manual
- BSAC Course Books
- PADI Course Books including the PADI Encyclopaedia of Diving
- Diving Medicine for Scuba Divers
- DDRC Diving Emergency Handbook
- RYA Coastal Skipper/Yachtmaster
- RYA Navigation
- Technical Diving from the Bottom Up, Kevin Gurr
- PHECC CFR Course Handbook
- DFR First Aid Book
- Weather at Sea, Houghton
- Oxygen First Aid for Divers, Lippmann
- Emergency First Aid, Emergency Care & Safety Institute (DFR First Aid book)
- DAN Technical papers

MONITEUR** (CMAS MONITEUR****)**

A Moniteur**** is a Leading Instructor who has been active as a teacher and examiner since being awarded that certificate. The Candidate is nominated by the NDO.

Prerequisites

To be nominated, a Candidate must:

1. Hold full Diver Membership of DIVING IRELAND
2. Be an Active Diver.
3. Have assisted on two Moniteur*** Examinations or have served in the role of President of the Technical Commission (NDO) and assisted on one Moniteur*** Examination.

All nominations shall be presented before a meeting of the Technical Commission which shall adjudicate on the award of the Moniteur**** Certificate.

DRYSUIT DIVER COURSE PRACTICAL

This is an optional skills development course for divers who are unfamiliar with their drysuit.

Prerequisites

A candidate must:

1. Hold a Diver 1* Certification
2. Hold Full Diver Membership of DIVING IRELAND
3. Be an Active Diver
4. Be competent with SCUBA in the pool.
5. Have attended the Drysuit lecture.

Course Instructor

The minimum grade for the Course Instructors is Club Instructor.

Course Structure

The instructor should brief, supervise, and debrief the student.

Equipment

A full set of equipment is needed plus the candidate's own drysuit

Briefing

1. Correct weighting
2. Buoyancy considerations
3. Buoyancy changes/inversion problems

The following exercises are completed under the supervision of an instructor in the pool or sheltered water:

1. Don dry suit, squat and vent

Entry and familiarisation

1. Enter shallow end, fit mask, snorkel, fins
2. Fin two lengths of the pool to get the feel of the drysuit on the surface
3. Fit weight belt plus usual scuba equipment
4. Put just enough air in the drysuit to achieve comfort
5. Inflate BC to achieve neutral buoyancy
6. Dump BC and sink; re-inflate
7. Adjust weighting until above is achieved.

Buoyancy Exercise

1. Proceed to deep end on surface scuba
2. Dump BC for feet first descent. On bottom add air to drysuit to regain comfort factor. Use BC to regain neutral buoyancy
3. On bottom, disconnect drysuit whip; reconnect, repeat
4. Short swim across pool
5. Slowly ascend, dumping both BC and suit to control ascent rate; inflate BC on surface

Repeat the Buoyancy exercises until proficiency is achieved.

Inversion Exercise

1. Overinflate suit on the surface.
2. Regain control and vent by squat, roll, upright, dump.
3. Repeat.
4. Inflate suit to achieve head down position on surface.
5. Again, squat, roll, upright, dump.
6. Use BC to achieve neutral buoyancy.

Care must be taken that this exercise be performed on the **surface only**. Repeat until satisfactory.

Open Water exercise.

This exercise to be attempted only after satisfactory completion of all exercises above. This is an open water dive to a maximum of 10 metres, under the direct supervision of an Instructor. Remember to adjust weight belt for saltwater. On the surface, before the dive, repeat the inversion exercise.

Descent

Perform a controlled descent using the following techniques.

1. Air in suit for comfort
2. Air in BC for buoyancy control

The Dive

1. Practice buoyancy control adjustments
2. Dive should be well within NDL minimise Nitrogen uptake before the ascent.

Ascent

Perform a controlled ascent using the following techniques

1. Dump excess air from suit and BC
2. Ensure buoyancy correct for safety stop.

Certification

On completion of this course the candidate will receive a logbook certificate after submission of a completed CRF form. Alternatively, a club DO may request a certificate based on equivalent experience.

This page intentionally left blank.

SEARCH AND RECOVERY DIVER

Prerequisites

A candidate must:

1. Hold Full Diver Membership of DIVING IRELAND for a minimum of 12 months prior to attending any component of the Search and Recovery course. This 12-month restriction will not apply to groups with previous S&R knowledge and operational experience wishing to affiliate to DIVING IRELAND
2. Have a minimum qualification of Club Diver (CMAS Diver**) or equivalent prior to commencing the Search and Recovery course.
3. Have completed a minimum of 20 dives post achieving the Club Diver 2**(or equivalent) grade before engaging in S&R activities
4. Be an Active Diver
5. Have a correctly completed Certificate Request Form.
6. Register for the course on Go Membership and submit the appropriate Course Fee

Non-Diver S&R team members

Non-divers can partake in all elements of the course except diving and become certified as non-diving Search and Recovery team members if they attend the full course, carry out practical rope work sessions and complete all theory papers successfully. A Search and Recovery Team Member certificate will be issued upon submitting the completed CRF.

Requirements for non-diving members

- Be at least 18 years of age
- Be at least an associate member of CFT for 1 year
- Complete the classroom and non-diving practical part of the SAR course to the satisfaction of the course director
- Be recommended by the club DO of the SAR club for the role

Course Director

The minimum certification for the Course Director is Moniteur** with a Search and Recovery certificate.

Course Instructors

The minimum certification for the Course Instructor is Moniteur* with a Search and Recovery certificate.

Course Content

1. The typical course will be undertaken over two days or equivalent. Theory can be covered in a single session. The practical must be completed to the satisfaction of the Instructor and Course Director in the allotted sessions. If this is not achieved then further practical sessions will be necessary before the certificate can be awarded. Dives should be conducted in accordance with DIVING IRELAND recommendations.
2. Solo diving may be undertaken on the Course if the required equipment is available for use. If a Search team acquires suitable equipment at a later date, solo diving training must be carried out.
3. Courses will be run in club and on demand. The minimum number required is eight and the maximum is twenty-five.
4. 100% attendance is required for all parts of the Course to gain certification.

Lecture Schedule (4 Hours)

1. Background
2. Introduction
3. Callout
4. Safety – including Workshop on Safety Statement
5. Equipment
6. Search Methods
7. Recovery

Practical Skills (6 hours minimum)

Dry work:

1. Rope signals & rope work
2. Setting up equipment for each of the search methods
3. Standby diver – readiness of response
4. Care and maintenance of full face masks and radio communications equipment

Waterwork:

1. A number of diverse search patterns to be attempted – individual divers playing differing roles in each search
2. Search in nil visibility – real or simulated (blacked out masks)
3. Search in still and flowing water
4. Practical skills can be combined to make the best use of time and resources.

Assessment

Written

A supervised written paper will be taken at the end of the theory sessions and the time allowed is one hour. Pass mark is 70%. An unsuccessful candidate may repeat the paper once, on a date agreed with the Course Director. Should the candidate be unsuccessful a second time, s/he must repeat the course.

Papers are issued by DIVING IRELAND Search & Recovery Committee Instructors as approved by the NDO.

Practical:

The Instructors will assess the competence and suitability of the candidate throughout the practical sessions of the course.

Certification

Successful completion of all aspects of the course will be required for certification. On successful completion of the test, the Candidate should apply to Head Office for a Search & Recover Diver Certificate submitting the completed CRF.

In the case of the non-diving member a request for a Search and Recovery Team Member certificate shall be submitted.

SEARCH AND RECOVERY INSTRUCTOR

Prerequisites

A candidate must:

1. Hold Full Diver Membership of DIVING IRELAND
2. Be an Active Diver
3. Be a qualified Search and Recovery Diver and a minimum of Moniteur*
4. Have logged a minimum of 10 Search and Recovery dives (while on an actual search operation)
5. Assist on a minimum of one Search and Recovery course under the guidance of an experienced Search & Recovery Instructor.
6. Be on the CFT active Instructor list.
7. Have a correctly completed Certificate Request Form.
8. Register on Go Membership.

Certification

Successful completion of all of the above is required for certification. On successful completion of the requirements, the Candidate should apply to Head Office for a Search & Recover Instructor Certificate submitting the completed CRF.

Note

To maintain the Search and Recovery Instructor status, an S&R Instructor must be an active Search and Recovery diver.

FULL FACE MASK EXPERIENCE

Prerequisites

A candidate must:

1. Hold Full Diver Membership of DIVING IRELAND.
2. Have a minimum qualification of Club Diver (CMAS Diver**).
3. Be an Active Diver.
4. Have a correctly completed Certificate Request Form.
5. Register for the course on Go Membership and submit the appropriate Course Fee

Course Director

The minimum grade for the Course Director is Moniteur** with a Search and Recovery certificate.

Course Instructors

The minimum grade for Course Instructors is Moniteur* with a Search and Recovery certificate.

Course Content

1. The typical course will be undertaken over one day or an equivalent number of evenings. Theory can be covered in a single session. The practical must be completed to the satisfaction of the Instructor and Course Director in the allotted sessions. If this is not achieved, then further practical sessions will be necessary before the certificate can be awarded. Dives should be conducted in accordance with CFT recommendations.
2. Courses will be run in club and on demand. The minimum number required is eight and the maximum is twenty.
3. 100% attendance is required for all parts of the course to gain certification.

Lecture Schedule (1 hour)

1. Introduction
2. What is a FFM
3. Why use a FFM
4. FFM features
5. Equalisation Methods
6. Fitting and Releasing a FFM
7. Precautions
8. Summary

Practical Skills (2 hours minimum)

Dry work:

1. Setting up equipment for each of the different mask types
2. Technique for fitting of all the different masks
3. Care and maintenance of full-face masks and radio communications equipment

Wet Work:

1. This will typically be carried out in a swimming pool, with participants to bring a full set of scuba equipment.
2. Divers to be divided into buddy pairs, with one the pair diving with one of the masks while their buddy dives with a standard half face mask and regulator.
3. Dive groups to keep rotating until each diver has dived with all masks.
4. Each diver to practise underwater communications, both in and out of the water.

All waterwork to be done under the supervision of a Full-Face Mask Instructor

Assessment

Written

A supervised written paper will be taken at the end of the theory sessions and the time allowed is one hour. Pass mark is 60%. An unsuccessful candidate may repeat the paper once, on a date agreed with the Course Director. Should the candidate be unsuccessful a second time s/he must repeat the course.

Papers are issued by DIVING IRELAND Technical Commission.

Practical

The Instructors will assess the competence and suitability of the candidate throughout the practical sessions of the course.

Certification

Successful completion of all aspects of the course will be required for certification. On successful completion of the test, the Candidate should apply to Head Office for a Full Face Mask Certificate submitting the completed CRF.

FULL FACE MASK INSTRUCTOR

Prerequisites

A candidate must

1. Hold Full Diver Membership of DIVING IRELAND
2. Be an Active Diver
3. Hold a Full Face Mask Experience certificate
4. Have logged a minimum of 10 open water full face mask dives
5. Assist on a minimum of one Full Face Mask Experience under the guidance of an experienced Full Face Mask Instructor of at least Moniteur**.
6. Must be on the CFT active Instructor list.
7. Have a correctly completed Certificate Request Form
8. Register on Go Membership.

Certification

To gain certification the Candidate must submit the completed course log sheet along with the completed Certification Request Form to Head Office.

NITROX DIVER (CMAS NITROX DIVER) ISO 11107

Prerequisites

A candidate must

1. Hold Full Diver Membership of DIVING IRELAND.
2. Have a minimum qualification of Diver 1* and have DO approval for the course.
3. Be dived up*.
4. Have a correctly completed Certificate Request Form.
5. Register for the Course on Go Membership and submit the appropriate Course Fee

Course Director

The minimum grade for the Course Director is Moniteur* with Nitrox Instructor Certificate

Course Instructors

The minimum grade for Instructors is Moniteur* with a Nitrox Instructor certificate.

***Dived Up Requirements for Candidates and Instructors**

Be an Active Diver, per DIVING IRELAND Recommendations, on the date of the dives.

Course Content

1. The typical course is undertaken over two days or equivalent. Theory can be covered on the first day and the dives completed on day two. Dives should be managed in accordance with DIVING IRELAND Rules and Recommendations.
2. Courses are run regionally and on demand. The minimum number required is eight.
3. 100% attendance at all aspects of the Course is necessary for certification

Lecture Schedule

1. Nitrox Introduction
2. Nitrox Physiology
3. Oxygen Tracking
4. Dive Tables and Equivalent Air Depth
5. Dive Planning
6. Nitrox Equipment, Preparation and Analysis

Practical Skills

Dive (10 – 25m) on Nitrox mix.

1. Candidates must analyse the Nitrox mix, calculate the MOD and ensure the cylinder is labelled correctly.
2. They must show equipment familiarisation by carrying out correct equipment checks prior to dive and good buoyancy control on the dive.
3. Candidates must plan the dive considering depth, mixes, duration, maximum operating depths, partial pressures, tables, gas consumption and CNS%.

Assessment

Written examination: A supervised written paper will be taken at the end of the theory sessions and the time allowed is one hour It is an open book exam. Pass mark is 80%. An unsuccessful candidate may repeat the paper once, on a date agreed with the Course Director. Should the candidate be unsuccessful a second time s/he must repeat the course. Papers are issued by DIVING IRELAND.

Candidates' dive practices will be assessed during the Nitrox dives. Qualified Nitrox divers who are also CFT Instructors may assess candidates on dives but feedback will be through the Nitrox Instructor.

Certification

Successful completion of all aspects of the course will be required for certification. On successful completion of the test, the Candidate should apply to Head Office for a Nitrox Diver Certificate, submitting the completed CRF.

NITROX INSTRUCTOR

Prerequisites

A candidate must

1. Hold full Diver Membership of DIVING IRELAND
2. Be a Nitrox Diver and Moniteur*
3. Have logged a minimum of 30 nitrox dives
4. Be dived up
5. Have a correctly completed Certificate Request Form
6. Register for the course on Go Membership and submit the appropriate Course Fee.

Course Director

The minimum grade for the Course Director is Moniteur*** with Nitrox Instructor Certificate.

This is a one-day course consisting of Theory and Practical elements.

Course Content

Theory

1. Aims of Nitrox Course
2. Nitrox Course overview
3. Instructor candidates will be required to work through nitrox theory, oxygen tracking and dive planning, demonstrating sound knowledge of the Nitrox Course.

Practical

1. Dive demonstrating good nitrox practices
2. Proper gas analysis & tagging demonstration.

Maximum instructor candidates to instructor is 4:1 for the dive
All nitrox cylinders must be properly labelled.

Assessment

The Instructor candidate will be assessed throughout the course on their knowledge of the Nitrox Course and safe dive practices. Instructor candidates will be expected to exhibit good teaching skills and the correct attitude to instruct this course.

Certification

Successful completion of all aspects of the course will be required for certification. On successful completion of the course, the Candidate should apply to Head Office for a Nitrox Instructor Certificate submitting the completed CRF.

ADVANCED NITROX DIVER

Prerequisites

A candidate must

1. Hold Full Diver Membership of DIVING IRELAND
2. Be at least 18 years of age
3. Hold Club Diver, Rescue Diver and DIVING IRELAND Nitrox Diver (or equivalent) certificates
4. Have logged 10 Nitrox dives
5. Be Dived Up*
6. Have a completed Certificate Request Form
7. Register for the course on Go Membership and submit the appropriate Course Fee

Course Director

The minimum grade for the Course Director is Moniteur** with an Advanced /Extended Nitrox Instructor certificate.

Course Instructors

The minimum grade for Instructors is Moniteur** with Advanced Nitrox Instructor certificate.

*Dive currency requirements for candidates and instructors

Dive 1 (15-20m): Be an Active Diver, per DIVING IRELAND Recommendations on the date of the dive

Dive 2 (15-30m): Be an Active Diver, per DIVING IRELAND Recommendations on the date of the dive

Dive 3 (30-40m): Have carried out at least one dive to 30m minimum within the four weeks prior to the date of the dive.

Assistants

Subject to the approval of the Course Director, assistants, who are minimum CFT/CMAS Moniteur* and also hold the Advanced Nitrox Diver qualification, may be used on dives. Feedback will be through the Advanced/Extended Nitrox Instructor.

Instructor/Candidate Ratio:

Theory/Classroom: Instructor/Candidate ratio: No limit

Practical/Open Water: Instructor/Candidate ratio 1:1 preferred (1:2 max.)

Course Content

1. The course will typically require the equivalent of two and a half days. Theory can be covered on the first day. Two dives may be done on a second day and the third dive on a separate day. The dives should be conducted in accordance with CFT Rules and Recommendations
2. Course will be run regionally and on demand. The minimum number of candidates will be six.

Lecture Schedule

1. Nitrox Introduction
2. Physics
3. Oxygen Physiology
4. Gas Management
5. Decompression Gas and Equipment
6. Decompression
7. Dive Planning
8. Dive Plan Workshop

Practical Exercises

These 3 dives are to be completed in open-water to the satisfaction of the examiner.

The ppO_2 of the bottom gas may not exceed 1.4 bar. The ppO_2 of the decompression gas may not exceed 1.6 bar.

For all 3 dives the candidate is expected to

1. Calculate decompression profile and carry hard-copy of decompression profile on the dive. Where a richer mix is being used for the decompression gas than for the bottom gas, the candidate must have a hard copy of the decompression schedule that would be required if only able to use the bottom gas.
2. Calculate gas requirements including gas volumes, gas mixes and MODs.
3. Analyse mixes, calculate MODs and have correctly labelled cylinders.
4. Demonstrate proper buoyancy control. Must not exceed MOD.
5. Have equipment configured to carry dive cylinder plus cylinder for decompression gas (minimum 3 litre).

Dive 1

1. Depth 15 – 20m. Dive within NDL.
2. For this dive, the mix in the decompression cylinder may be same as the bottom gas or maximum of EAN 50.
3. Candidate to demonstrate proper diving techniques and procedures during the dive, using a Run-Time slate.
4. Calculate RMV (Fin in a straight line or against a rock for at least 5 minutes, noting cylinder pressures).
5. Demonstrate proper buoyancy control, being able to maintain neutral buoyancy at any depth.
6. Demonstrate proper navigation, being able to return to shot line (may use reel).
7. Ascend along shot line. Demonstrate proper ascent at 10 m/min and simulate decompression stop by completing safety stop at 6m or 4.5m, maintaining constant depth.
8. Perform gas switch at safety stop.

Dive 2

1. Depth 15 – 30m. Decompression gas to be no more than EAN 50.
2. Follow a Run-Time slate.
3. Reel out from shot line for two minutes. Remove mask and reel back to shot line, then replace mask.
4. Leave the shot-line and deploy a red SMB. Ascend along it at correct rate of ascent of 10 m/min. Perform gas switch at 15m.
5. Simulate decompression stop at 6m and 4.5m.

Dive 3

1. Depth 30 – 40m. Mandatory stage decompression dive. Stage decompression not to exceed 10 minutes (i.e. planned using richer mix – longer allowed only if 'rich' mix is lost)
2. Use decompression gas of EAN 40 – EAN 80 for decompression stop.
3. Perform decompression stop on decompression gas using Run-Time slates.

If a candidate does not complete a dive to the satisfaction of the examiner, they may not proceed to the next dive until the dive is repeated and completed to the examiner's satisfaction.

Assessment

Written Examination: A supervised written paper will be taken when the theory section has been completed. Time allowed is 75 minutes. Exam papers are issued by DIVING IRELAND. It is an open-book exam. The pass mark is 80%. The theory exam must be successfully completed before the candidate may do the open water exercises. An unsuccessful candidate may repeat the paper once, on a date agreed with the Course Director. Should the candidate be unsuccessful a second time s/he must repeat the course.

Open-water Dives: The dives are to be carried out as stipulated in the section 'Practical Exercises'. Candidates must satisfy the examiner with regard to their practical and in-water skills. They must display a good mental attitude towards this type of diving during all dives.

Certification

Successful completion of all aspects of the course will be required for certification. On successful completion of the test, the Candidate should apply to Head Office for a DIVING IRELAND Advanced Nitrox Diver Certificate and a CMAS Advanced Nitrox Diver Brevet, submitting the completed CRF.

EXTENDED RANGE NITROX DIVER

Prerequisites

A candidate must:

1. Hold Full Diver membership of DIVING IRELAND
2. Be an Advanced Nitrox Diver or hold an approved equivalent certificate
3. Have carried out a minimum of 50 Nitrox Dives to include at least 10 Advanced Nitrox dives
4. Be at least 18 years of age
5. Be Dived Up*
6. Have a correctly completed Certificate Request Form
7. Register for the course on Go Membership and submit the appropriate Course Fee

Course Director

The minimum grade for a Course Director is Moniteur** with an Extended Nitrox Diver Instructor certificate.

Course Instructors

The minimum grade for Course Instructors is Moniteur** (or approved equivalent) with an Extended Range Nitrox Instructor certificate.

*Dive currency requirements for candidates and Instructors

Dive 1 (Max depth 20m): Be an active diver per DIVING IRELAND Recommendations on the date of the dive.

Dives 2 & 3 (20 – 40m): Have carried out at least one dive to 30m minimum within the four weeks prior to the date of the dive.

Dive 4 (45-50m): Have carried out at least one dive to 40m minimum within the four weeks prior to the date of the dive.

Assistants

According to the assessment of the Course Director, assistants, who are minimum Moniteur* and also hold the Extended Range Nitrox Diver qualification, may be used on dives. Feedback will be through the Extended Range Nitrox Instructor.

Instructor/Candidate Ratio:

Theory/Classroom: Instructor/Candidate ratio: No limit

Practical/Open Water: Instructor/Candidate ratio 1:1 preferred (1:2 max.)

Course Content

1. The equivalent of one day is required for theory instruction.
2. Four dives are performed during the course. The total bottom time must be at least 100 minutes plus the required decompression time, the final dive having at least 15 minutes of mandatory stage decompression. The first dive is performed within the no-decompression limits. The dives should be conducted in accordance with DIVING IRELAND Rules and Recommendations. Where a dive involves mandatory stage decompression, that should be the only dive performed on that day. No more than two dives per day.
3. The Course will be run regionally and on demand. The minimum number of candidates will be four

Lecture Schedule

7 hours of theory instruction.

Practical Exercises

These 4 dives are to be completed in open-water to the satisfaction of the examiner. The ppO_2 of the bottom gas may not exceed 1.4 bar. The ppO_2 of the decompression gas may not exceed 1.6 bar.

Over the course of the four dives, the candidate is expected to demonstrate the following exercises:

1. Minimum of two SMB deployments which must be competently performed
2. Gas shut-down
3. Navigational techniques
4. Follow a line without a mask
5. With original mask removed from face, retrieve spare mask and re-fit.
6. Correct use of run-time method of dive planning
7. 'Out of air' drills and swim 20m using buddy's gas source
8. Correct gas-switching.
9. Deployment of a second SMB from a 6m stop to simulate signalling a low gas situation to the surface.
10. Removal of side-mount, exchange with buddy and attach buddy's side-mount in its place.

For all 4 dives the candidates and instructors are expected to be configured for ERN diving, carrying back-gas, using a manifolded twin-set and at least two stage cylinders.

The candidate is also expected to:

1. Calculate decompression profile and carry hard-copy of decompression profile on the dive. Carry a hard copy of the decompression schedule that would be required if only able to use the bottom gas.
2. Calculate gas requirements including gas volumes, gas mixes and MODs.
3. Analyse mixes, calculate MODs and have correctly labelled cylinders.
4. Demonstrate proper buoyancy control and trim. Must not exceed MOD.
5. Demonstrate proper gas management
6. Follow the dive plan and run-times correctly

DIVES

Dive 1

1. Maximum depth 20m. Dive within NDL. Use air or nitrox. Skills Practice.

Dives 2 & 3

1. Depth 20–40m
2. Follow a Run-Time slate
3. Skills practice
4. Differing mixes in the stage cylinders
5. Simulated or actual mandatory stage decompression

Dive 4

1. Depth 45–50m. Mandatory stage decompression dive. Stage decompression to be minimum 15 minutes
2. Differing mixes in the stage cylinders
3. Follow a Run-Time slate

All tasks must be completed to the satisfaction of the examiner.

Assessment

1. Written Examination: A supervised written paper will be taken when the theory section has been completed. Time allowed is 75 minutes. Exam papers are issued by CFT. It is an open-book exam. The pass mark is 80%. The theory exam must be successfully completed before the candidate may do the open water exercises.
2. Open-water Dives: The dives are to be carried out as stipulated in the section 'Practical Exercises'. Candidates must satisfy the examiner with regard to their practical and in-water skills. They must display a good mental attitude towards this type of diving during all dives.

Certification

Successful completion of all aspects of the course will be required for certification. On successful completion of the test, the Candidate should apply to Head Office for a DIVING IRELAND Extended Range Nitrox Diver Certificate and a CMAS Extended Range Nitrox Brevet, submitting the completed CRF.

ADVANCED NITROX INSTRUCTOR

Course Goals

Following the successful assessment outlined in this section, qualified DIVING IRELAND Advanced Nitrox Instructors may instruct, or act as Course Director on an Advanced Nitrox courses authorised by DIVING IRELAND. Such Instructors are able to assess and evaluate candidates' knowledge and skills and competence during an Advanced Nitrox course.

Prerequisites

A candidate must

1. Be a Full Diver member of DIVING IRELAND
2. Be an active Moniteur**
3. Be a Nitrox Diver Instructor (or approved equivalent)
4. Be an Advanced Nitrox Diver (or approved equivalent)
5. Have trained a minimum of 5 Nitrox Divers
6. Have logged 15 Advanced Nitrox dives.
7. Have a correctly completed Certificate Request Form
8. Be Dived Up*
9. Register on Go Membership for the course.

Course Director

The minimum grade for a Course Director is Moniteur** with Advanced Nitrox Instructor certificate.

***Dive currency Requirements**

See Advanced Nitrox Diver Course

Assessment:

The candidate will demonstrate competence to organise an Advanced Nitrox course, instruct effectively at this level both in the classroom and in open water and manage and direct the progress of the course. During this time, the candidate will be supervised and evaluated by an Advanced Nitrox or Extended Range Instructor Trainer approved by the NDO.

Certification:

On successful completion of the course the Candidate should apply to Head Office for an Advanced Nitrox Instructor Certificate, submitting the completed CRF.

EXTENDED RANGE NITROX INSTRUCTOR

Course Goals

Following the successful assessment outlined in this section, qualified DIVING IRELAND Extended Range Nitrox Instructors may instruct, or act as Course Director on Extended Range Nitrox courses authorised by DIVING IRELAND. Such Instructors are able to assess and evaluate candidates' knowledge and skills and competence during an Extended Range Nitrox course.

Prerequisites

A candidate must

10. Be a Full Diver member of DIVING IRELAND
11. Be an active Moniteur**
12. Be an Advanced Nitrox Diver Instructor (or approved equivalent)
13. Be an Extended Range Nitrox Diver (or approved equivalent)
14. Have trained a minimum of 15 Nitrox Divers
15. Have logged 25 Extended Range Nitrox dives or 25 Trimix dives or a combination of both
16. Have a correctly completed Certificate Request Form
17. Be Dived Up*
18. Register on Go Membership.

Course Director

The minimum grade for a Course Director is Moniteur*** with Extended Range Nitrox Instructor certificate.

*Dive currency Requirements

See Extended Range Nitrox Diver Course

Assessment:

The candidate will demonstrate competence to organise an Extended Range Nitrox course, instruct effectively at this level both in the classroom and in open water and manage and direct the progress of the course. During this time, the candidate will be supervised and evaluated by an Extended Range Nitrox Instructor Trainer.

Certification:

On successful completion of the course the Candidate should apply to Head Office for an Extended Range Nitrox Instructor Certificate, submitting the completed CRF.

GAS BLENDER (ISO 13293 NITROX LEVEL 1)

Prerequisites

A candidate must:

1. Hold Full Diver Membership of DIVING IRELAND
2. Be a Nitrox Diver
3. Have a correctly completed Certificate Request Form
4. Register for the course on Go Membership and submit the appropriate Course Fee
5. Be a minimum of 18 years of age

Course Director

The minimum grade for the Course Director is Moniteur**with a Gas Blender Instructor certificate.

Course Instructors

The minimum grade for Course Instructors is Moniteur * with a Gas Blender Instructor certificate.

Theory (3 hours approx)

- | | |
|---------------------------|------------|
| 1. Introduction to course | 20 minutes |
| 2. Basic Nitrox Theory | 20 minutes |
| 3. Gas Properties | 20 minutes |
| 4. Blending Methods | 45 minutes |
| 5. Blending Theory | 30 minutes |
| 6. Hazards | 30 minutes |

Practical (2 hours)

The practical will be guided by the method of blending available to the Blender Instructor. Each candidate will:

1. Be instructed in the partial pressure method of mixing.
2. Be required to fill a cylinder, performing all tasks necessary to ensure safety and the correct final mix.

Assessment

1. A short-written test will be taken. The test is an open book exam; the pass mark is 80%. This will ensure the candidate has an understanding of the theory and techniques involved in gas blending. An unsuccessful candidate may repeat the paper once, on a date agreed with the Course Director. Should the candidate be unsuccessful a second time s/he must repeat the course.
2. The candidates' performance during the practical will be assessed by the Instructor including good safe blending practices, techniques and attitude to gas blending.

Course Content

The course is run over one day and consists of Theory and Practical sections.

Certification

On successful completion of the assessment, the Candidate should apply to Head Office for a Gas Blender Certificate and a CMAS brevet, submitting the completed CRF.

GAS BLENDER (ISO 13293 MIXED GAS LEVEL 2)

Prerequisites

A candidate must:

1. Hold Full Diver Membership of DIVING IRELAND
2. Be a Nitrox Diver
3. Hold a Gas Blender Certificate
4. Have a correctly completed Certificate Request Form
5. Register for the course on Go Membership and submit the appropriate Course Fee
6. Be a minimum of 18 years of age

Course Director

The minimum grade for the Course Director is Moniteur**with a Mixed Gas Level 2 Blender Instructor certificate.

Course Instructors

The minimum grade for Course Instructors is Moniteur * with a Mixed Gas Level 2 Gas Blender Instructor certificate.

Theory (90 mins)

- | | |
|---------------------------|------------|
| 1. Introduction to course | 10 minutes |
| 2. Trimix Blending | 80 minutes |

Assessment

Practical (90 mins)

The practical will be guided by the method of blending available to the Blender Instructor. Each candidate will:

1. Be instructed in the partial pressure method of mixing.
2. Be required to fill a cylinder, performing all tasks necessary to ensure safety and the correct final mix.

Course Content

The course is run over half day and consists of Theory and Practical sections.

Certification

On successful completion of the assessment, the Candidate should apply to Head Office for a Mixed Gas Blender (Level 2) Certificate and CMAS brevet, submitting the completed CRF.

GAS BLENDER INSTRUCTOR (NITROX LEVEL 1 OR MIXED LEVEL 2)

Prerequisites

A candidate must

1. Hold Full Diver Membership of DIVING IRELAND
2. Be a Nitrox Instructor and Gas Blender for each level.
3. Assist Blender Instructor on one Gas Blending Course for each Level
4. Have a correctly completed Certificate Request Form
5. Register on Go Membership.

Course Director

The minimum grade for the Course Director is Moniteur** with the relevant Gas Blender Instructor certificate.

Theory and Practical

The candidate must show good safe blending teaching practices, techniques and attitude to gas blending throughout whilst assisting on the course.

Assessment

The Blender Instructor will assess the candidates throughout the course on their knowledge of the Gas Blending Course and their practical skills.

Certification

On successful completion of the test, the Candidate should apply to Head Office for the relevant (Level 1/2) Gas Blender Instructor certificate, submitting the completed CRF.

INSTRUCTOR TRAINER (NITROX, ADVANCED NITROX OR EXTENDED RANGE NITROX)

Prerequisites

A candidate must:

1. Hold Full Diver Membership of DIVING IRELAND
2. Be a Moniteur***
3. Have the National Diving Officer's recommendation to undergo the course
4. Have instructed on one Nitrox Course as an Instructor
5. Be a qualified Instructor in the discipline in which they wish to be a trainer/examiner

Course Director

The minimum grade for the Course Director is Moniteur

Theory

The Instructor Trainer candidate must have full knowledge in all areas of the Nitrox and Extended Range Courses to the satisfaction of the Instructor Trainers.

Practical

The Instructor Trainer candidate must take part in the practical elements of all courses assisted on, showing sound, safe dive practices to the satisfaction of the Instructor Trainers.

Assessment

An Instructor Trainer candidate will require recommendations from the Instructor Trainers where the candidate assisted on courses. Only those candidates who exhibit the correct attitude during the running of these courses will be successful.

SPECIALITY COURSE INSTRUCTOR REQUIREMENTS

Specialist subject matter lecturers can be authorised to give non-diving lectures on their specialist subject. A register of recognised lecturers, approved by the NDO and TC, will be retained by head office. Where any element of diving or dive training is required it must be delivered by a current DIVING IRELAND instructor. Every course utilising a specialist lecturer must have a Mon* as course organiser on Go Membership.

For all DIVING IRELAND diving instruction the instructor teaching must have a grade of a minimum Club Instructor or Monitor *. These courses include:

Underwater Photographer

Photography elements can be taught by a photography instructor.

Seasearch

Seasearch is a programme of the UK Marine Conservation Society (MCS) that is administered in the Republic of Ireland by DIVING IRELAND. The programme facilitates the recording of marine biodiversity information by recreational divers. It incorporates two levels of recording – entry level Observer and the more advanced Surveyor. These courses contain no dive training, though frequently diving is organised to complement the course. Only tutors who have been accredited by Seasearch may lead an Observer or Surveyor course (non-accredited tutors may assist an accredited tutor, particularly if training to become a tutor).

Seasearch may also run courses to provide detailed specialist information in the identification and recording of species, families or groups of plants or animals, or of habitats. These specialist courses may use tutors from outside Seasearch, but these tutors must be recognised as competent authorities in their area of expertise.

It is a requirement of the agreement between DIVING IRELAND and MCS that the Seasearch scheme is open to all divers regardless of certifying body. Therefore, tutors may not necessarily be members of DIVING IRELAND. However, it is a requirement that all Seasearch courses are supervised by a DIVING IRELAND Mon* or higher grade.

A list of accredited Seasearch tutors, including specialists, will be maintained at DIVING IRELAND Head Office.

Nautical Archaeology Course

The DIVING IRELAND underwater archaeology courses are offered under an agreement with the Nautical Archaeology Society (NAS) that covers the Republic of Ireland and Northern Ireland. Only tutors who have undergone accredited training with an NAS supervisor are permitted to lead a NAS course (non-accredited tutors may assist an accredited tutor, particularly if training to become a tutor).

NAS courses incorporate four levels of modular training ranging from the introduction course to a part IV diploma. Courses/modules relating to specific areas of expertise may be run as part of the part IV diploma or as stand-alone courses of interest for which it may be necessary to use tutors or specialists from outside those trained by the NAS. Under such circumstances the NAS or a DIVING IRELAND senior tutor must be consulted.

It is a requirement of the agreement between DIVING IRELAND and the NAS that the underwater.

archaeology courses are open to all divers regardless of certifying body and can also be open to non-divers minus any diving elements of a course. Therefore, tutors also may not necessarily be members of DIVING IRELAND. However, it is a requirement that all NAS courses are supervised by a CFT Mon* or higher grade and all NAS courses held under the CFT licence and tutors used are approved by a CFT NAS senior tutor.

A list of accredited NAS tutors will be maintained at CFT Head Office.

VHF RADIO OPERATOR

The radio spectrum worldwide is governed by the International Radio Regulations. In Ireland, the body responsible is the Irish Maritime Administration which is a division of the Department of Transport. In general, it is an offence in Ireland to use a marine VHF radio without the appropriate authorisation.

These regulations stipulate the licences that are required both for the radio installation and the radio operator. Although maritime (ship) radio's primary function is to ensure safety of life at sea, the international radio regulations permit the use of ship radio on inland waterways as well as at sea. The rules for the installation and use of radio (e.g. VHF) apply equally when the equipment is used inland.

A number of individuals and commercial enterprises offer courses in marine VHF radiotelephony. Following successful completion of one of these courses a member should submit a copy of the marine radio operators certificate to Head Office. They will then be issued with a VHF radio operators logbook certificate.

A list of appropriate VHF radio tutors is available from the Dept. of Transport.

UNDERWATER PHOTOGRAPHER

Objective

The aim of the course is to give participants an understanding of underwater digital photography equipment and techniques that will allow them to immediately begin to take pictures. The course also aims to give participants the knowledge to take their underwater photography to a more advanced level.

Prerequisites

A candidate must:

1. Hold relevant Membership of DIVING IRELAND (for photography using scuba – Full Diver Membership with minimum qualification of Diver* and 15 dives completed, for photography using snorkel - Snorkel Diver membership)
2. Have a correctly completed Certificate Request Form
3. Register for the course on Go Membership and submit the appropriate Course Fee

Course Director

The minimum grade for the Course Director is Moniteur** with experience in underwater photography.

Course Instructors

The minimum grade for Course Instructors is Moniteur* who is an Active Diver and has experience in underwater photography.

Assistants

1. Instructors who are not members of DIVING IRELAND may assist and lecture on the course providing they are approved by the CFT Underwater Photography Subcommittee and the NDO.
2. Underwater photographers who are not Instructors may assist on the course in the pool providing they are approved by the NDO.

Note

The use of u/w cameras by Trainees on club dives is at the discretion of the club Diving Officer or dive leader.

Course Content

1. The typical course will be undertaken over 8 hours. This may vary depending on location of pool, or sheltered water. The course can be run over one day or several nights.
2. Where practical, an open water dive may be included as an add-on to the course. Costs for this are not included in the course fee.
3. All participants are required to have a digital camera which can be taken underwater.
4. Ideally candidates should bring a laptop so they can download, review and edit their pictures after the water work.
5. Participants should bring an underwater slate and pencil.
6. Candidates are encouraged to review their camera manual and functions before attending.

Instructor/Candidate Ratio:

Theory/Classroom: Instructor/Candidate ratio: No limit

Practical/Open Water: Instructor/Candidate ratio 1:4 is desirable

Lecture Schedule (5 hours)

1. Introduction (including safety during course)
2. Equipment
3. Principles of photography
4. Wide Angle photography
5. Macro photography
6. Computers, files archive and storage
7. Practical work

Practical Skills (1 hour)

Dry work:

1. Camera familiarisation
2. Pre-dive equipment preparation

Wet work:

1. Composition
2. Auto mode
3. Macro mode
4. Special modes
5. Adjusting ISO
6. Adjusting white balance
7. Force firing flash
8. Adjusting exposure
9. Continuous shooting
10. Adjusting power of internal flash
11. Adjusting aperture and shutter speed
12. Video

Review (1 hour)

1. Pictures taken in the pool / sea can be downloaded to a laptop.
2. Participants have the opportunity to discuss their pictures and what improvements can be made.
3. Participants have the chance to edit their pictures.

Certification

On successful completion of the course, the Candidate should apply to Head Office for an Underwater Photographer Certificate, submitting the completed CRF.

SEASEARCH

Objective

The aim of Seasearch is to give participants the skills required to accurately survey and record marine biodiversity and habitat data.

The courses also aim to improve the identification skills of the participants with regards marine animals, plants and habitats.

Prerequisites

Candidates must:

1. Hold minimum qualification of Diver** (or equivalent) and 20 dives with at least 10 having been completed in Irish or UK waters (or other temperate waters).
2. DIVING IRELAND members should register for the course on Go Membership and submit the appropriate Course Fee. Candidates certified from other organisations (PADI, BSAC, etc.) should book via DIVING IRELAND Head Office or through the Seasearch Ireland coordinator. In all cases, payment must be received prior to starting the course.
3. There is often a dive organised in conjunction with a Seasearch course. CFT divers must be active divers with three green ticks on Go Membership. Non-CFT divers must submit their log book, dive medical certificate, and dive insurance to the dive officer.
4. Certification is issued by Seasearch head office in the UK.

Course Director

The minimum grade for the Course Director is Moniteur*.

Course Instructors and Assistants

1. Tutors for Seasearch Observer and Surveyor courses must be accredited by Seasearch to the requisite standard for the course.
2. Non-accredited tutors may assist an accredited tutor if undergoing tutor training.
3. Non-accredited tutors may also be permitted if giving a specialist course.
4. There is a master list of all Seasearch tutors that is held in CFT Head Office.

Course Content

1. Seasearch Observer and Surveyor courses both require approximately 6 hours of theory.
2. Introduction to major groups of marine plants and animals.
3. Introduction to marine habitats.
4. How to record details of dive site and associated habitats and species on a Seasearch recording form.
5. Both courses include a simulated video dive.
6. If possible, a dive will be organised on a subsequent day to allow participants the opportunity to apply knowledge and skills learned under supervision of a Seasearch tutor.
7. Participants should bring an underwater slate and pencil. The use of cameras is also beneficial for accurate recording.
8. Specialist course content will vary between courses.

Instructor/Candidate Ratio

Theory/Classroom. Instructor: Candidate ratio: No limit, though 1:12 would be desirable
Open Water. Instructor: Candidate ratio: No limit as tutor may not necessarily be diving
with the candidate. Approx. 1:12 would be maximum for assisting in completion of forms
after the dive.

Lecture Schedule (Observer)

1. Introduction to Seasearch
2. Introduction to marine life classification
3. Review of marine life identification books
4. Introduction to main habitat types and seabed cover types
5. Recording site survey locations
6. Seabed sketches
7. Observer recording
8. Seasearch diving techniques
9. Simulated dives on video
10. Next steps

Lecture Schedule (Surveyor)

1. Seasearch aims, training programme and outputs
2. Seasearch survey techniques – location and physical parameters
3. Habitats and communities (the underwater landscape)
4. Marine life – characterising and ‘turf’ species
5. Marine life – important species and habitats (BAP, legally protected, climate change, non-natives, etc.)
6. Completion of the Seasearch Survey form
7. Simulated video dives
8. Survey dive in the sea*
9. Individual feedback on forms and worksheet
10. Next steps

* Note – a dive is an essential element of the course. This must be undertaken under CFT Rules and Regulations. Diving is at the discretion of the DOD.

Lecture Schedule (Specialist)

Specialist courses will, by their nature, be flexible in structure. All Specialist courses must be registered through Seasearch UK Head Office. Details required include an outline syllabus and the names of the tutors giving the course.

Certification

On starting their first Seasearch course (Observer), every candidate is issued with a Seasearch Training and Qualification Record book. On successful completion of a course, the candidate should submit this record book to Seasearch Head Office in the UK for update and endorsement.

Seasearch Observer qualification follows attendance at a Seasearch Observer course and satisfactory completion of five Seasearch Observation forms, at least two of which should be undertaken on organised Seasearch events where there is a Seasearch tutor present to provide guidance.

Seasearch Surveyor qualification follows attendance at a Seasearch Surveyor course and satisfactory completion of the Surveyor course assessment worksheet and six Seasearch Survey forms, including one on the course, and at least two more undertaken on organised Seasearch events where there is a Seasearch tutor present to provide guidance and feedback. You must also pass an on-line marine identification assessment.

A third tier of training is offered by Seasearch – the Seasearch Specialist. To achieve formal recognition as a Seasearch Specialist, the candidate must already be qualified as a Seasearch Surveyor and:

- Participate in, or organise, several Seasearch Survey dives
- Preparation of a scientific report
- Participation in several specialist Seasearch diving projects
- Attendance at several or the special interest courses

NAUTICAL ARCHAEOLOGY COURSES

Objective

The NAS programme being run through CFT aims to provide knowledge and education for the protection and promotion of maritime and underwater heritage in Ireland. NAS training offers an introduction to underwater archaeology along with further modules allowing both divers and non-divers to build on their interests and education, increasing their skills with the potential to both run their own projects and take part in projects and fieldwork worldwide.

Prerequisites

All NAS courses may be undertaken by interested non-divers through DIVING IRELAND, however only divers meeting DIVING IRELAND criteria may undertake the diving elements of DIVING IRELAND courses.

For the diving elements of the course candidate's must

Hold minimum qualification of Diver** (or equivalent) and 20 dives with at least 10 having been completed in Irish or UK waters (or other temperate waters).
DIVING IRELAND divers must be active with three green ticks on Go Membership.
Non-DIVING IRELAND divers must submit their logbook and dive insurance to the diving officer.

Course registration

DIVING IRELAND members should register for courses on Go Membership and submit the appropriate Course Fee. Candidates certified from other organisations (PADI, BSAC, etc.) should book via CFT Head Office, through the CFT Scientific Officer or the CFT NAS Senior Tutor. In all cases, payment must be received prior to starting the course. NAS qualified CFT tutors issue NAS certification and logbook. CFT head office standard course certification also issued.

Course Director

The minimum grade for the Course Director is Moniteur*.

Course Instructors and assistants

1. NAS Introductory and Part I courses must be run by a NAS trained tutor with the present of a competent archaeologist or person with appropriate and substantial field experience to take responsibility for the maintenance of archaeological standards and philosophy
2. Non-accredited tutors may assist an accredited tutor if undergoing tutor training.
3. Non-accredited tutors may also be permitted if giving a specialist course
4. There is a master list of all DIVING IRELAND registered NAS tutors held in CFT Head Office
5. All NAS courses run must also be supervised by a Mon 1 + and held in consultation with the DIVING IRELAND Senior tutor.

Lecture Schedule (Introduction Course)

1. Introduction to NAS
2. Introduction to archaeology
3. Archaeological sites
4. Archaeological dating methods
5. Underwater finds – rights and responsibilities
6. Introduction to 2D survey
7. What's next

Lecture Schedule (Part I certificate)

1. Case Study
2. Area search and survey methods
3. Project safety and logistic
4. Introduction to 3D survey methods
5. Dealing with finds
6. Post fieldwork activity
7. What's next

Part II Certificate

The Part II certification consists of two elements, a survey report demonstrating knowledge and skills gained through the Introduction and part I courses and 2 days conference or heritage days attendance. There is no formal taught element within the Part II certification however NAS tutors may assist through organising project opportunities for the collection of data for survey reports or may organise conference/heritage days to facilitate Part II course participants.

Part III Certificate

This qualification is designed to develop a competent fieldworker with the theoretical knowledge and practical skills to work under the supervision of a qualified archaeologist. Specialist courses typically of 1-3 days are run by field experts under the headings of eight modules:

1. Research and information technology
2. Archaeological science
3. Survey
4. Recording
5. Excavation
6. Management of archaeology

Participants are given credit points based on the number of theory and practical contact hours they have completed. Participants must achieve a minimum of 100 credit points in 6 out of 8 of the modules. There is 1 credit point for every practical contact hour and .5 credit point for every theoretical contact hour. A maximum of 28 and minimum of eight points may be counted in each of the 6 chosen modules.

Anyone can attend a NAS specialist course but credit points towards the Part III certification can only be awarded after the Introduction course has been completed. Part II certification must be achieved before Part III is awarded. Project time will not contribute towards credits for Part III certification however these should be recorded and validated by the project leader towards the Part IV Diploma in Foreshore and Underwater Archaeology.

Part IV Certificate

The Part IV Diploma in Foreshore and Underwater Archaeology is the final and highest grade of the NAS programme. This provides a certification level for a field-worker capable of supervising a work programme on an archaeological site in conjunction with the archaeological director. No formal teaching is associated with this qualification however guidance and advice is provided from the NAS training officer. To qualify the following requirements must be met:

1. The participant must have worked on three different archaeological sites for a minimum of 12 weeks since completion of NAS part II certification
2. A dissertation or extended portfolio of work on an approved project or topic must be submitted including a full report to publication standard

Certification

On completion of the NAS Introduction course all participants will be given an NAS logbook in which all NAS related activities should be logged and certified by NAS tutors as a record for further NAS certification. All participants will also be issued with CFT certification to acknowledge and record their NAS qualifications.

RNLI DIVER SEA SURVIVAL COURSE

This workshop has been developed in conjunction with the RNLI to improve diver safety at sea. It will refresh rescue skills as well as teach some techniques for improving your chances of being found at the surface.

Course Aim

To improve chances of survival and location in an emergency whilst out at sea

Prerequisites

A candidate must

- Hold Full Diver Membership of DIVING IRELAND.
- Have a minimum qualification of Diver 1* or equivalent crossover.

Course Director

The minimum grade for the Course Director is Moniteur*

Course Instructors

The minimum grade for Instructors is Moniteur*

Course Administration

The workshop is intended to be run and managed 'in-house', in which case any costs must be borne by the club and its members. It may also be run regionally, by RDOs or interested clubs where the expenses can be shared between candidates.

Course Overview

- 6 Presentations / Discussions (90 Minutes approx.)
- 1 Dive Planning Session (60 Minutes approx.)
- 2 Optional Dives (180 Minutes approx.)

Certification

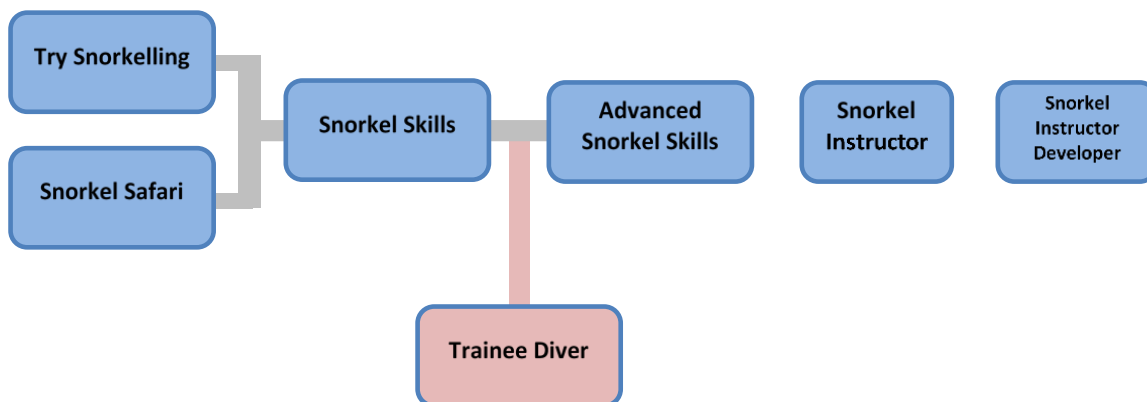
On completion of the course, the Certificate Request Form can be downloaded from the DIVING IRELAND website. The diver then sends it to the DIVING IRELAND office. There will be a small charge for the issue of a certificate.



TRAINING AND STANDARDS MANUAL

**PART C
SNORKELLING COURSES**

SNORKEL PATHWAY



SNORKEL GRADES AND BUDDY CHART

		I am a						
		Try Snorkelling / Snorkel Safari	Snorkel Skills (12 - 18 yrs)	Snorkel Skills (18 + yrs.)	Advanced Snorkel Skills (12 - 18 yrs)	Advanced Snorkel Skills (18 + yrs)	Snorkel Guide (1)	Snorkel Instructor
My buddy is a...	Try Snorkelling / Snorkel Safari	Red	Red	Red	Red	Red	Green	Green
	Snorkel Skills (12 - 18 yrs)	Red	Red	Green	Red	Green	Green	Green
	Snorkel Skills (18 + yrs)	Red	Green	Green	Green	Green	Green	Green
	Advanced Snorkel Skills (12 - 18 yrs)	Red	Red	Green	Green	Green	Green	Green
	Advanced Snorkel Skills (18 + yrs)	Red	Green	Green	Green	Green	Green	Green
	Snorkel Guide (1)	Green	Green	Green	Green	Green	No restrictions	
	Snorkel Instructor	Green	Green	Green	Green	Green		

Note 1. Snorkel Guide is a legacy course and not part of this program.

TRY SNORKELLING

Aim

The aim of the “Try Snorkelling” session is to give participants a short, positive introduction to snorkelling in either open water or a swimming pool. It is intended as a promotional or sales opportunity to be used to encourage complete novices to take up snorkelling and participate in one of the other courses. It might be used as;

- A “taster” session in a snorkel / dive club or snorkel / dive school.
- A first snorkelling session for a participant in a multi activity programme.
- The first session/s in a longer snorkelling course.

This course / activity replaces “Snorkel Splash”

Prerequisites to participation

Previous knowledge or experience	No previous knowledge or experience of snorkelling is expected or required.
Age	Minimum age 6 years
Competencies / certification	Where participants are unable to swim, they may complete the “Try Snorkelling” session while wearing suitable personal flotation device complying with minimum EN394 or ISO 12402 -5 (50N). Participation by non-swimmers will affect the teaching ratios used.
Logged experience	None

Duration

The “Try Snorkelling” session would usually be around 2 hours long. However, this does include changing and equipment and a briefing at the end on “What next”.

Instructor / leader qualifications

The “Try snorkelling” session may be run by anyone holding the following current qualifications with IUC.

- Snorkel Instructor
- Snorkel Guide
- Club Diving Instructor
- M* Diver or above

Teaching Ratios

Pool	Open Water
1:12	1:8
1:18 – with qualified assistant	1:14 – with qualified assistant
<i>These are the maximum ratios allowed in ideal conditions and with participants who are confident in the water and can swim. Before each session Leaders must satisfy themselves that the ratios they choose to use are appropriate to the venue, conditions and participants and experience of the leaders running the session.</i>	

Assessment

This is a participation certificate. There is therefore no assessed element.

Resources

Participant – Information on where / how to take up snorkelling
Instructor - IUC Snorkel Instructor Handbook

Syllabus

Try Snorkeling

By the end of this activity the snorkeler will....

Equipment	With assistance, have put on their mask, snorkel and fins.
	If snorkelling in open water, With assistance, have put on a wetsuit, hood and booties.
	Be able to identify and explain the use of safety equipment including; whistle
Snorkelling techniques	Have entered and exited the water while under direction
	Have swum along the surface of the water using fins
Communication	Have spoken to other snorkelers while on the surface.
	Have demonstrated the following hand signals while on the surface and have described when to use them. I am Okay Gather on me Something wrong I require assistance
Safety, survival & rescue.	Be able to explain why you snorkel with a buddy and why you stay together.
	Be able to describe what to do if you get separated from your group.
	Be able to describe how to call for outside assistance while in / on the water and while on land
Snorkelling environment	Be able to describe the hazard that currents can present to the snorkeler
	If snorkelling in a coastal location, have been made aware of the effect of the rise and fall water levels caused by tides have on snorkelling activities
	Be able to describe how onshore and offshore winds can affect a snorkeler
Physiology	Be able to identify if they, or any of their companions, are getting too cold
	Be able to describe what action to take within their group, if someone is getting too cold.
What next	Be able to describe how they can; <ul style="list-style-type: none"> Continue snorkelling Develop their snorkelling skills

SNORKEL SAFARI

Aim

The aim of the “Snorkel Safari” session is to give participants of all ages an “interpreted” experience of the Irish underwater environment. This means that the emphasis on the session is on what you see above and below the water and the information, story and passion that, you as a Leader, add to this.

It is run in open water - not a swimming pool. The open water used may be fresh water, in a lake, river or canal, or the sea.

“Snorkel Safari “might be used as:

- As a stand-alone session as part of a multi activity programme.
- As a follow-on session to a “Try Snorkelling” session that has been run in a pool or open water.
- As a “taster” session in a snorkel / dive club or snorkel / dive school.
- The first session/s in a longer snorkelling course.

Prerequisites to participation

Previous knowledge or experience	No previous knowledge or experience of snorkelling is expected or required.
Age	Minimum age 6 years
Competencies / certification	Where participants are unable to swim, they may complete the “Snorkel” session while wearing suitable personal flotation device complying with minimum EN394 or ISO 12402 -5 (50N). Participation by non-swimmers will affect the teaching ratios used and will depend on the area being used.
Logged experience	None

Duration

The “Snorkel Safari” session is often run as a ½ day session. However, the amount of time participants spend in the water actually snorkelling is going to be limited by the water temperature, their age and what kit they are using. In some instances, it may be as little as 15 minutes. The rest of the session will have spent time beach combing, rock pooling, discussing what you have found / seen and learning a little bit about these plants and animals as well as the marine environment around you. Of course if your group is up for it, do spend as long as you can in the water.

Instructor / leader qualifications

The “Snorkel Safari” session may be run by anyone holding the following current qualifications with IUC.

- Snorkel Instructor
- Snorkel Guide
- M* Diver or above

Teaching Ratios

Open Water
1:8
1:14 – with qualified assistant
<i>These are the maximum ratios allowed in ideal conditions and with participants who are confident in the water and can swim. Before each session Leaders must satisfy themselves that the ratios they choose to use are appropriate to the venue, conditions and participants and experience of the leaders running the session.</i>

Assessment

This is a participation certificate. There is therefore no assessed element.

Resources

The *IUC Snorkel Safari Workbook* is available from the IUC Office and should be acquired by anyone planning on running this activity. Appropriate elements from this workbook should be used with participants during the activity
Participant – Information on where / how to take up snorkelling
Instructor - IUC Snorkel Instructor Handbook

Outcomes - Snorkel Safari

By the end of this activity snorkelers will

Equipment	With assistance, have put on their mask, snorkel and fins wetsuit, hood and booties.
	Be able to identify and explain the use of safety equipment including; whistle
Snorkelling techniques	Have entered and exited the water while under direction
	Have swum along the surface of the water using fins
Communication	Have spoken to other snorkelers while on the surface.
	Have demonstrated the following hand signals while on the surface, and have described when to use them. I am Okay Gather on me Something wrong I require assistance
Safety, survival & rescue.	Be able to explain why you snorkel with a buddy and why you stay together.
	Be able to describe what to do if you get separated from your group.
	Be able to describe how to call for outside assistance while in / on the water and while on land
The snorkelling environment	Be able to describe the hazard that currents can present to the snorkeler
	Have been made aware of the effect of the rise and fall water levels caused by tides have on snorkelling activities
	Be able to describe how onshore and offshore winds can affect a snorkeler
The marine environment	Have described and identified some of the animals and plants that they saw above and below the water.
Physiology	Be able to identify if they, or any of their companions, are getting too cold
	Be able to describe what action to take within their group, if someone is getting too cold.
What next	Be able to describe how they can; Continue snorkelling Develop their snorkelling skills

SNORKEL SKILLS

Aim

The aim of the “Snorkel Skills” course is to give participants the skills and knowledge they will need in order to plan and undertake a snorkel on the surface in sheltered open waters. The course can be delivered as two modules where Part 1 is Pool based and Part 2 is run in Open Water.

“Snorkel Skills” might be used as:

- Entry level skills course for new Snorkelers
- Schools Snorkel programme - maybe as part of junior cycle aquatics or for transition years
- Youth Groups – Scouts etc.
- The first part of the IUC Diver1* course.

Replaces “Snorkel FUNdamentals”

Prerequisites to participation

Previous knowledge or experience	No previous knowledge or experience of snorkelling is expected or required.
Age	Minimum age 8 years
Competencies / certification	Participants need to be competent swimmers.
Logged experience	None

Duration

There is no minimum time for the delivery of the “Snorkel Skills” course once all of the required skills, knowledge and competencies have been attained. as the time required will vary with the location of the course and the participants age, ability etc. However, 6 hours is a comfortable timeframe for instructors to start with.

Care should be taken not to make the course too long as participants will be underchallenged and may become bored.

The course may be broken into smaller sections or modules. When doing so, it is recommended that these should not be shorter than 2 hours and that additional time is included to allow for the extra time spent changing and reviewing previous learning.

Pool / Open Water

Participants who successfully complete this course in a pool must be issued with the “Snorkel Skills – Pool” certificate. This may be upgraded to “Snorkel Skills – Open Water” if and when they successfully demonstrate the required skills and knowledge on an open water snorkel session run by a IUC Snorkel Instructor or equivalent. A good template for this open water session is the “Snorkel Safari”.

Instructor / leader qualifications

The “Snorkel Skills” course may be run by anyone holding the following current qualifications with Irish Underwater Council.

- Snorkel Instructor
- Club Diving Instructor
- M* Diver or above

Teaching Ratios

Pool	Open Water
1:12	1:8
1:18 – with qualified assistant	1:14 – with qualified assistant
These are the maximum ratios allowed in ideal conditions and with participants who are confident in the water and can swim. Before each session Leaders must satisfy themselves that the ratios they choose to use are appropriate to the venue, conditions and participants and experience of the leaders running the session.	

Assessment

Assessment is normally continuous and undertaken by the Instructor delivering the courses throughout the duration of the course.
Skills tracker sheets are provided, and should be used, for the purposes of recording individual progress during the course.

Resources

Participant	The <i>IUC Snorkel Handbook</i> is available from the IUC Office and should be made available to anyone doing this course
Instructor	IUC Snorkel Instructor Handbook

Outcomes - Snorkel Skills

By the end of this course snorkelers will.....

Equipment	Be able to identify, put on and adjust their mask, snorkel, fins, wetsuit, hood and booties.
	Be able to explain the importance of wearing appropriate thermal protection and footwear.
	Be able to explain why you do not use weights until trained in their use.
	Be able to clear their mask & snorkel while on the surface.
	Be able to identify and explain the use of safety equipment including; whistle, mobile phone
Planning	Be able to identify the effects of currents and weather on snorkelling activities.
	Be able to use a weather forecast to plan a snorkelling trip.
Snorkelling techniques	Be able to walk into the water as well enter from the edge of a pool / boat or rock.
	Have swum along the surface of the water using fins.
	Have dived below the surface of the water without using weights.

Communication	Have spoken to other snorkelers while on the surface.
	Have demonstrated the following hand signals while on the surface, and have described when to use them. I am Okay Gather on me Something wrong I require assistance
Safety, survival & rescue.	Be able to explain why you snorkel with a buddy and why you stay together.
	Be able to describe what to do if you get separated from your group.
	Be able to describe how to call for outside assistance while in / on the water and while on land
Snorkelling environment	Be able to describe what causes currents and the effects that currents can have on snorkelling activities.
	Be able to describe how wind speed, wind direction, visibility and temperature are measured and how these may affect a snorkeler.
The marine environment	Be able to describe where to get information on Irelands marine fauna and flora
	Be able to identify beaches and other sheltered waters which may be suitable for snorkelling activities.
Physics	Be able to explain why things float and how this works for and against the snorkeler.
	Be able to explain why water pressure increases with depth
Physiology	Be able to describe what effects water pressure can have on the snorkeler as they dive and surface.
	Be able to identify if they, or any of their companions, are getting too cold
	Be able to describe what action to take if someone is getting too cold.
	Be able to describe how snorkelers can stay warm in and out of the water.
What next	Be able to describe how they can; Continue snorkelling Develop their snorkelling skills

ADVANCED SNORKEL SKILLS

Aim

The aim of the “Advanced Snorkel Skills” course is to give participants the skills and knowledge they will need in order to plan and undertake snorkel excursions in all types of open water suitable for snorkelling.

Replaces “Advanced Snorkeler”

Prerequisites to participation

Previous knowledge or experience	Participants must either hold or be able to demonstrate the skills and knowledge included in <i>Snorkel Skills</i> .
Age	Minimum age 12 years
Competencies / certification	Participants need to; Be competent swimmers. Hold either; IUC Snorkel Skills certificate or equivalent IUC Diver1* certificate or equivalent
Logged experience	Participants need to be able to provide evidence of either 5 snorkel excursions undertaken in sheltered Irish waters or Active involvement with Underwater Hockey Club

Duration

There is no minimum time for the delivery of the “Advanced Snorkel Skills” course once all of the required skills, knowledge and competencies have been attained. The time required for each group of participants will vary with the location of the course and the participants age, ability etc. However, 6 hours should be a comfortable timeframe for instructors to start with.

Care should be taken not to make the course too long as participants will be underchallenged and may become bored.

The course may be broken into smaller sections or modules. When doing so, it is recommended that these should not be shorter than 2 hours and that additional time is included to allow for the extra time spent changing and reviewing previous learning.

Instructor / leader qualifications

The “Advanced Snorkel Skills” course may be run by anyone holding the following current qualifications with Irish Underwater Council.

- Snorkel Instructor
- M* Diver or above

Teaching Ratios

Pool	Open Water
1:12	1:8
1:18 – with qualified assistant	1:14 – with qualified assistant
These are the maximum ratios allowed in ideal conditions and with participants who are confident in the water and can swim. Before each session Leaders must satisfy themselves that the ratios they choose to use are appropriate to the venue, conditions and participants and experience of the leaders running the session.	

Assessment

Assessment is normally continuous and undertaken by the Instructor delivering the courses throughout the duration of the course.
Skills tracker sheets are provided, and should be used, for the purposes of recording individual progress during the course.

Resources

Participant	The <i>IUC Snorkel Handbook</i> is available from the IUC Office and should be made available to anyone doing this course
Instructor	IUC Snorkel Instructor Handbook

Course Outcomes - Advanced Snorkel Skills

By the end of this course snorkelers will

Equipment	Be able select and put on equipment appropriate to each snorkel
	Be able to clear their mask & snorkel while on the surface and underwater.
	Be able to select and put on appropriate weights.
	Be able to identify and explain how to use and care for safety equipment including; whistle, mobile phone, flares, EPIRB/PLB.
Planning	Be able to select choose an appropriate location and itinerary for a snorkelling trip.
Snorkelling techniques	Be able enter the water from the shore and a boat using the most appropriate method.
	Be able to demonstrate strong, effective finning technique while on the surface and below it.
	Have dived below the surface of the water while using weights and surfaced safely.
	Be able to dive to a given spot and then hold themselves there.
	Be able to describe the effects of water pressure on the snorkeler and how to manage them.
Communication	Have demonstrated the following hand signals while on the surface and underwater, and have described when to use them. You / me Up / down I am Okay Gather on me Something wrong I require assistance

Safety, survival & rescue.	Be able to describe how to call for outside assistance while in / on the water and while on land
	Have demonstrated how to rescue and recover a conscious and unconscious casualty in the water.
	Be able to explain when and how you might dump your weight belt or that of a buddy
Snorkelling environment	For a given location and date, be able to identify when high and low water will occur and the range between them.
	Be able to predict what currents are present at a given location and time and how these are going to vary with time.
	Be able predict relevant weather conditions at a given location & time and describe how these might affect snorkelling activities there.
The marine environment	Use a charts and maps to plan a snorkel trip.
Physics	Be able to describe the principal of “Neutral buoyancy” and how to achieve this.
	Be able to explain what happens to the gasses in a snorkeler when they dive and resurface.
Physiology	Be able to describe the cause and effect of Shallow Water Black out and how to avoid it.
	Be able to describe the effects of cooling on the body.
	Be able to describe how to spot the onset of hypothermia.
	Be able to describe how to care for someone with suspected hypothermia
What next	Be able to describe how they can; Continue snorkelling Develop their snorkelling skills

SNORKEL INSTRUCTOR (ISO 13970)

Role

To introduce and develop snorkelling skills, knowledge and competencies to snorkelers ranging from novice to advanced snorkeler.

To lead sessions within the IUC Try Snorkelling, Snorkel Safari, Snorkel Skills and Advanced Snorkel Skills programmes within any IUC Snorkel Club or IUC Snorkel Centre. This course has been audited by the EUF to meet or exceed the standards of ISO 13970.

Qualification

On successful completion of this training programme the participant will be awarded; IUC Snorkel Instructor.

Coach Development Programme for Ireland - Intermediate Adventure Sports Instructor

Format for training courses

Candidates with no IUC Instructor qualifications attend a training course with minimum duration of 4 days (32 hours).

Candidates who already hold IUC Instructor, IUC Guide qualification or Instructor / coach qualifications issued by other National Governing Bodies or organisations should contact the Irish Underwater Council to determine if there is a cross over process agreed or in place.

Full details on the requirements and format for setting up and running this course are included in the IUC Guidelines for setting up and running a Snorkel Instructor & Guide Training Courses.

Entry Requirements

Prior to entry onto the training course all participants must;

- Hold IUC membership
- Have completed the Snorkelling Instructor Pre-entry assessment within the last 12 months.
- Hold a valid First Aid Certificate from list of IUC approved courses (includes IUC Diver First Responder and REC 3)
- Have either completed Garda vetting with IUC
or
Have completed IUC declaration stating that you will not be working with Children or Vulnerable Adults
- Be at least 18 years old upon entry to the course.
(Candidates under 18 years of age may complete the “Assistant Snorkel Instructor” course.)

Methodology

The course is run using a mixture of shore-based and on the water sessions during which participants will be introduced to and then have the opportunity to develop and practice practical instructing skills. Participants will be encouraged through a process of directed discovery, to identify and develop models for the delivery of skill based and knowledge based sessions and apply these to a variety of scenarios.

Instructor Developers

This training course is run by an Instructor Developer listed by the IUC as approved to run the Snorkelling Instructor training course.

The 4-day course is moderated by an Instructor Developer approved by the IUC. Full details on the role of the Moderating ID are included in IUC Guidelines for setting up and running a Snorkel Instructor Training Course.

Instructor Developers may be assisted in the delivery of the course by experienced Snorkel Instructors, M*, M** and M*** Divers.

Facilities & Equipment

The course must be run in an IUC affiliated Club or approved IUC Snorkel Centre. Full details on the facilities and equipment required are included in IUC Guidelines for setting up and running IUC Snorkel Instructor Training Courses. Ready access to a swimming pool, suitable open water and a class room is required.

Support Documents / Materials

IUC Snorkel Instructor Programme Descriptor	Sets out details on how to setup, run, assess and certify this course.
Guidelines for setting up and running IUC Snorkel Instructor Pre - entry Assessment	Sets out how the Instructor Pre-entry Assessment is to be set up, run and recorded.
Snorkel Instructor Syllabus for Instructors	Sets out the courses and syllabi that the IUC Snorkel Instructor will be delivering to their participants and is used by them when planning, delivering and assessing their snorkel courses & activities.
Snorkel Instructor Workbook	This workbook is completed by the Instructor candidate during the training course. It is used to record the learning experienced during the course.
Snorkel Safari Handbook	Setting out aims, objectives and support materials for use by Instructors planning and delivering Snorkel Safari activities.
IUC Snorkel Handbook	Providing Snorkelers with information on the skills and knowledge required to snorkel safely and to enjoy their snorkelling.

Assessment

During the Instructor development process Instructors need to be evaluated in order to determine if they are:

- running safe and effective instructor training sessions.
- likely to be able to run an effective snorkel training course that complies with IUC requirements
- Eligible for qualification as an IUC Snorkel Instructor and to provide trainee Snorkel with;
- feedback on their performance
- suggested improvement goals

Method

The assessment will be run continuously during an approved IUC Snorkel Instructor Training Course.

The observation must include at least three sessions including;

- Shore based teaching session
- Water based session (Pool)
- Water based teaching session (open water)
-

The observation / assessment will be conducted by the Instructor Developer running the course. This person will be qualified CDPI Adventure Sport Instructor Developer (Snorkelling).

Detailed assessment criteria & methodology are set out later in the Snorkel Instructor Course Descriptor.

There are 5 possible results from an Instructor training course.

Pass	Candidate has satisfactorily completed all training and pre-requisite requirements and should have an Instructor certificate issued by the IUC.
Defer (MPR)	When the candidate has passed the training course but where they are missing Pre-Requisite requirements ² .
Defer	When the candidate has not completed the training satisfactorily but where the Instructor Developer feels that they may be able to rectify this by completing defined work or tasks subsequent to the training course ¹ .
Fail	The candidate has not completed the training satisfactorily and cannot rectify this by work or tasks completed subsequent to the training course.
DNC	The candidate Did Not Complete the Instructor training course.

It is not appropriate to have anyone other than an IUC Instructor Developer sign off a candidate as competent. This means that, if candidates are required to log teaching practice under a qualified Instructor, or to complete any other activity or tasks, they must be seen and assessed by an Instructor Developer before being marked as passed.

If a candidate is admitted onto a course without the necessary pre-requisite requirements it is the responsibility of the Lead Instructor Developer to follow up and with the participant and IUC office to ensure certification.

Certification

Upon successful completion of the training course, and submission of appropriate information to the IUC by the Instructor trainer running the course, the participant will receive;

- IUC Snorkelling Instructor Certificate.
- Coaching Ireland Intermediate Instructor Certificate.

The certificate is valid for 5 years and while the holder holds a valid IUC approved First Aid Certificate.

Revalidation

The Snorkel Instructor certificate is valid for 5 years. After 5 years it may be revalidated by either;

Sending to the IUC evidence of;

- Attendance at an IUC Instructor CPD event.
- Log of Snorkel Instruction including;
- An average of more than 10 hours per year since your certificate was issued. And at least 20 hours in the last 2 years.
- Current IUC membership
- Valid IUC approved First Aid Certificate.

Or as an alternative method

Successfully completing another Leader qualification with IUC (Snorkel Guide, Mon 1 Diver etc

Snorkel Instructor Pre-Entry Assessment

In order to qualify for entry onto an IUC Snorkel Instructor training course candidates must successfully complete the appropriate 'Pre-entry Assessment'. This assessment ensures that they have the pre-requisite personal snorkelling skills, experience and knowledge necessary to fulfil the role of IUC Instructor.

While it is not mandatory, the IUC Advanced Snorkel Skills course will provide the recommended preparation for this assessment.

The assessment must have been completed within 12 months of starting the instructor training course.

The assessment may be conducted and signed off by either

- An IUC Snorkel Instructor Developer / Tutor
- A M** Diver or above

A list of people holding these qualifications near you is available from the IUC office. Completion of the assessment must be recorded in the candidates "Pre- Instructor Log". This document is available from the IUC office.

The assessment has four parts.

Part 1	Snorkelling Log
Objective	The snorkelling log shows that the Snorkel Instructor Candidate is an experienced, active snorkeler.
Method	Provide a written log of the snorkels to the person running Part 2,3,or 4 of the assessment
The candidate must present evidence that they have completed 10 snorkels that were; Completed within the last 18 months Completed in at least 3 different locations in northern European waters At least 30 minutes in duration	

Part 2	Swim Test
Objective	The swim test shows that the Snorkel Instructor Candidate is a strong enough swimmer to be able to lead, manage and care for groups of snorkelers in open water.
Method	This assessment may be undertaken in either a swimming pool or in open water. Wetsuits may be used in open water but not when swimming in pools.
Assessment	Snorkel 800m in under 15 minutes (full snorkel equipment)
	In water that is 2 - 3 m deep, recover both fins from the bottom and, while on the surface, put them on.

Part 3	Skills Assessment	
Objective	The snorkelling skills assessment shows that the candidates can demonstrate the key skills they will be required to deliver as Snorkel Instructors.	
Method	This assessment may be undertaken in either a swimming pool or in open water. The candidate needs to supply and use the appropriate personal snorkelling equipment.	
Assessment	Getting in and out of the water	Enter the water safely while wearing all snorkelling equipment using one or more of the following techniques “Silent entry” – From sitting on edge of pool Step entry – From standing on edge of water
		Safely get out of the water.
	Diving	To surface dive, swim along for a distance of not less than 5 meters underwater and then surface
	Towing	Demonstrate how to approach a distressed, conscious casualty Tow another snorkeler for 50 meters while; The casualty provides no assistance Keeping the casualties face & mouth above the water at all times

Part 4	Assessment of Background Knowledge	
Method	This assessment may be in the form of; <ul style="list-style-type: none"> • Oral interview with the Assessor. • Written answers / calculations done during the assessment. A chart and an Irish Ordinance survey map of a local snorkel area will be required.	
	Assessment	Details
Planning	The snorkeler will be asked to submit details on a snorkel that they have planned and undertaken in the last 12 months.	Selection of location & rationale. Expected weather, water levels, current & water conditions. Route & navigation plan. Emergency plan.
Safety	The Snorkeler will be asked to describe;	
	<ul style="list-style-type: none"> • Causes, prevention, signs / symptoms of Shallow Water Black Out. 	
	<ul style="list-style-type: none"> • Causes, prevention, signs / symptoms of hypothermia 	
	<ul style="list-style-type: none"> • How to care for a snorkeler or swimmer who suspect has SWBO or hypothermia 	
Signals	The snorkeler will be asked to;	
	<ul style="list-style-type: none"> • When given the meaning, demonstrate the appropriate signal 	You / me, Up / down, I am Okay, Gather on me, Something wrong, I require assistance.
	<ul style="list-style-type: none"> • Describe the meaning of the signal given 	
Chart / map work	The snorkeler will be asked to;	
	<ul style="list-style-type: none"> • Orientate a chart or a map using either a compass or local feature 	
	<ul style="list-style-type: none"> • Identify a number of common symbols and features from a chart. 	Compass rose, Types of foreshore, Depth contours, Tidal diamonds, Rocks, Drying areas, Bottom types, Overfalls / rips, Latitude & longitude.
	<ul style="list-style-type: none"> • Using a chart identify potential snorkel sites and explain rationale used 	

Tides	The snorkeler will be asked to, for a given location and date;	
	<ul style="list-style-type: none"> Identify the times for high and low water. 	
	<ul style="list-style-type: none"> Identify the tidal range. 	
	<ul style="list-style-type: none"> Describe how you would expect the rate of flow and direction of flow of the water will change during the day 	Rule of 12 th s
	<ul style="list-style-type: none"> Explain the effects the tide is likely to have on snorkelling activities. 	
Weather	During an oral interview;	
	<ul style="list-style-type: none"> The snorkeler will be asked to describe the prevailing weather patterns and effects for a period of 2 days prior to the assessment. 	
	<ul style="list-style-type: none"> The snorkeler will be asked to provide a synopsis of the expected weather for the day of the assessment and describe how it might be expected to affect a local snorkelling site 	
	<ul style="list-style-type: none"> The snorkeler will be asked to describe identify the prevailing wind speed and direction. 	
Pressure	During an oral interview;	
	<ul style="list-style-type: none"> The snorkeler will be asked to describe the effects of pressure on a snorkeler and their equipment as they dive under water 	Ears, mask squeeze, compression of wetsuit
	<ul style="list-style-type: none"> The snorkeler will be asked to demonstrate those actions required to counteract the effects of pressure 	Equalise, counteracting mask squeeze, fitting weight belt
Ecology	The Snorkeler will be asked to correctly identify 10 of the animals and seaweeds included in the IUC Snorkel Safari handbook	These are available from the IUC Office

Course Outcomes - Snorkel Instructor Course

1. Knowledge of sport and participation programmes

The Instructor will be able to

1.1	Role of National Governing Body	Identify the role of the IUC in the development of the sport and delivery of a national quality assured training programmes.
		Identify the role of Coaching Ireland and the Adventure Sports Framework in the delivery of instructor / coach Training programmes.
1.2	Role of IUC Snorkelling Centres	Identify the role of the IUC Snorkelling Centres in the delivery of a national quality assured training programme and where to get information on standards.
1.3	Knowledge of IUC Snorkelling programmes	Identify outcomes for each of the courses within the IUC snorkelling programme.
1.4	Role of Coaching Ireland	Identify the role of Coaching Ireland and the Adventure Sports Framework in the delivery of instructor / coach Training programmes.

2. Personal Skills

The Instructor will be able to

2.1	Snorkelling knowledge, skills & competencies	Demonstrate the required level of personal knowledge, skills and competencies in snorkelling.
2.2	Emergency Care	Provide basic life support and emergency care in the marine environment. (6.4)

3. Environment

The Instructor will be able to

3.1	Weather	Accurately predict the effect that forecast weather will have on the snorkelling area being used.
		Use the weather forecast to make appropriate decisions in the planning of activities.
3.2	Tides & currents	Accurately predict the effect that tidal heights and currents will have on the snorkelling area being used.
		Use information on tidal heights and currents to make appropriate decisions in the planning of activities.
3.3.	Development of environmental awareness in participants	Describe how to foster an awareness of the marine environment in course participants through the delivery of snorkelling programmes.
3.4	Protecting the environment	Identify how snorkelling activities and the delivery of snorkelling programmes may harm the environment and how to minimise effects.

4. Instruction style, values and ethics *The Instructor will be able to*

4.1	The Instructor	Identify the role of the snorkelling instructor.
		Identify the personal qualities that support good instructional skills and practice.
4.2	Learning styles & teaching methods	Identify how people learn and apply this to the teaching & coaching process.
		Identify what motivates people to learn.
4.3	Ethics	Demonstrate an awareness of, and ability to adhere to, the principals and practice identified in the IUC's Leaders Charter.
4.4	Working with Children	Make snorkelling fun and safe for children.
4.5	Inclusion	Describe how to ensure snorkelling activities are actually, as well as perceived as being, accessible to all.
		Demonstrate how to make snorkelling activities and training available to people with special needs.

5. Instruction skills *The Instructor will be able to*

5.1	Delivering skills based sessions	Demonstrate that they can introduce and develop a new skill to a group of participants.
5.2	Delivering knowledge based sessions	Demonstrate that they can introduce and develop an area of knowledge to a group of participants. (1.3)
5.3	Course programming	Identify the most appropriate order in which to deliver skills and knowledge for sessions in all IUC snorkelling courses.
5.4	Delivering water based skills sessions	Conceive, plan and deliver water based training sessions delivering skills and knowledge in all IUC snorkelling courses.
5.5	Delivering on shore skills and knowledge sessions.	Conceive, plan and deliver on the shore based training sessions delivering skills and knowledge in all IUC snorkelling courses.
5.6	Use of appropriate tasks and exercises	Conceive, plan and implement tasks and exercises that allow participants to practice and develop skills being taught.
5.7	Group management	Demonstrate effective group management before, during and after all sessions.
5.8	Managing resources'	Identify the resources needed to set up and deliver a training session, ensure they are available and care for them.

5.9	Assessment– Standards for and methods	Identify what standards of skills and knowledge are required from snorkelers for certification / sign off of each element within the IUC Snorkel courses.
		Be able to effectively assess a snorkeler’s level of skill and knowledge in an appropriate manner.
5.10	Delivering feedback	Observe and analyse participants practising skills and then deliver feedback that is appropriate and effective.
6. Safety		<i>The Instructor will be able to</i>
6.1	Risk assessment	Continually identify hazards and associated risks when planning and implementing activity sessions.
6.2	Risk management	Effectively manage risk to participants on the activity.
6.3	Action in the event of an emergency	Demonstrate appropriate and timely actions in the event of an incident or accident.
7. Communication		<i>The Instructor will be able to</i>
7.1	With participants	Communicate effectively with participants on sessions and activities
7.2	With other Instructors	Communicate with management and other instructors in order to most effectively plan and implement sessions and activities.
8. Review, self-reflect & evaluate		<i>The Instructor will be able to</i>
8.1	Feedback from participants	Gather and review feedback from participants.
8.2	Evaluating session objectives	Review a session to establish if objectives were met and then identify next step for participants.
8.3	Evaluating methods and performance	Critically analyse sessions they have run in order to improve delivery methods and personal performance.

APPENDIX 1

CERTIFICATE

Nr. S EUF CB 2006003

Austrian Standards plus GmbH issues this certificate.

Training Organisation: Irish Underwater Council Comhairle Fo-Thuinn (C.F.T.)
78A, Patrick Street, Dun Laoghaire IE Dublin Co


Sites: All CFT local offices and branches

Service: Recreational Diving Training System

Standards: ISO 24801-2 - CFT Diver *(one star) / CMAS 1*
ISO 24801-3 - CFT Leading Diver / CMAS 3*
ISO 24802-2 - CFT Instructor Certificate / CMAS Mon 1*
ISO 11107 - CFT Nitrox Diver / CMAS Nitrox Diver
ISO 13293 - CFT Nitrox Gas Blender
ISO 13970 - CFT Snorkel Instructor

This certificate attests that training system provided by the training organisation listed above meets the requirements specified in the above mentioned standards.


Conformity mark: This certificate entitles the holder to use the EUF conformity mark:



Date of issue: 2018-06-08

Date of initial issue: 2006-12-01

Expiry date: 2022-02-23


Dipl.-Ing. Dr. Peter Jonas
Director Certification