



Extract from the « code of sport », the french law applied to diving

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Only the French regulatory text is authentic.

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Article A322-71 of the French Sports Code

November 7, 2023

The provisions of this section apply to the establishments mentioned in article L. 322-2 which organise the practice of underwater diving. They do not apply to archaeological diving, underground diving or underwater orienteering training and competition courses.

Article A322-72 of the French Sports Code

November 7, 2023

On the site of the underwater activity, diving is under the responsibility of a divedirector (a least CMAS Instructor **) present at the place where the divers are launched or immersed. He or she is technically responsible for the organisation of the dive, the measures to be taken to ensure the safety of the divers and the activation of the emergency services.

He ensures that the rules and procedures in force are applied.

He sets out the characteristics of the dive and draws up a safety log, which includes the divers' surnames, first names, skills and their function in the group, as well as the various parameters of the dive that have been planned and carried out. This sheet is kept for one year by the establishment by any means.

The diving supervisor holds a qualification mentioned in appendix III-15 a.

In the case of mixed diving, the Diving Supervisor shall also provide proof of PN-C or PTH-120 qualifications corresponding to the mixes used in accordance with Annexes III-17 a and III-18 a.

Article A322-73 of the French Sports Code

November 7, 2023

Several divers who together make a dive with the same characteristics of duration, depth and path, even if they breathe different mixes, constitute a group.

When the group is made up of divers with different skills or breathing different mixes, it must not exceed the maximum operating conditions available to the diver with the most restrictive skills or the most restrictive mix.

Minors are not allowed to dive autonomously.

Article A322-74 of the French Sports Code

November 7, 2023

When, in the natural environment, the submerged group is led by a supervisor, that supervisor must hold a qualification mentioned in Annex III-15 b. This person is responsible for the conduct of the dive and ensures that its characteristics are appropriate to the circumstances and the abilities of the divers.

When at least one of the supervised divers or the person supervising the group uses a mixture other than air, the latter must also demonstrate the skills corresponding to the mixtures used in accordance with Annexes III-17 b, III-17 c, III-18 b and III-18 c.

Article A322-75 of the French Sports Code

November 7, 2023

For the purposes of this section, exploration diving means diving without any teaching.

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Article A322-76 of the French Sports Code

November 7, 2023

Depending on the gases used, the level of qualification of the supervisors and the skills of the divers, the diving areas are defined as follows:

0 to 6 metres;

0 to 12 metres;

0 to 20 metres;

0 to 40 metres;

0 to 60 metres;

Space from 0 to 70 metres;

Space from 0 to 80 metres;

Spaces above 80 metres.

Underwater diving with air is limited to 60 metres....

Underwater diving with trimix or heliox mixes is limited to 80 metres.

Autonomous underwater diving with trimix or heliox mixes is limited to 120 metres.

The oxygen content of the nitrox determines the breathing space.

Article A322-77 of the French Sports Code

November 7, 2023

The diver shall provide proof to the diving master of the skills mentioned in Annexes III-14 a, III-17 a or III-18 a, in particular by presenting a certificate or diploma and, where appropriate, a logbook enabling the diver's experience to be evaluated.

In the absence of such proof, the diving master shall arrange for an assessment of the diver's abilities to be made after one or more dives.

A diver holding a certificate referred to in Annex III-14b shall demonstrate the relevant skills.

For the purposes of this section, skills are defined as follows:

- skills in supervised air diving: PE ;
- the ability to dive independently in air: PA ;
- the ability to dive using a nitrox mix: PN;
- the ability to dive using a trimix or heliox mix: PTH.

In the 0 to 40 metre range, in order to demonstrate PE-12 to PE-40 and nitrox diving skills, people with disabilities may benefit from special assistance in the form of supervision or equipment to enable them to dive in a supervised group.

Article A322-78 of the French Sports Code

November 7, 2023

I.-Practitioners have a rescue plan and the following rescue equipment available at the launch or immersion site:

- a means of communication to alert the emergency services. A VHF is necessary when the dive takes place at sea from a dive support boat;
- fresh drinking water;
- a self-filling bag with a one-way valve, an oxygen reserve bag and three masks (large, medium and small);
- a high-concentration mask
- a set of normobaric medical oxygen therapy with sufficient capacity to allow, in the event of an accident, treatment adapted to the situation until the arrival of medical assistance, with pressure reducer, litre flow rate and hose for connection to the self-filling bag with one-way valve or to the high concentration mask;
- an isothermal blanket;
- evacuation sheets based on the standard model in appendix III-19.

The emergency plan is a written document, adapted to the location and the dive, which is regularly updated and brought to the attention of the dive director, the persons supervising the groups and the autonomous divers. In particular, it specifies how to be alerted in the event of an accident, the contact details of the emergency services and the emergency procedures to be applied to the victim on the surface.

II – They also have the following assistance equipment:

- an emergency air cylinder equipped with its regulator and, in the event of diving using a breathing mixture other than air, one or more emergency cylinders equipped with regulators, the contents of which, as provided for in the emergency plan, are appropriate to the dive being organised;
- a means of recalling an immersed diver from the surface, when the dive takes place in a natural environment, from a boat;
- a submersible scoring table;
- in the open water, beyond a depth of 6 metres, a set of decompression tables.

III -The emergency equipment is regularly checked and properly maintained.

Article A322-79 of the French Sports Code

November 7, 2023

Diving activities are marked out in accordance with current regulations.

Article A322-80 of the French Sports Code

November 7, 2023

Each cylinder or set of cylinders of the same breathing gas is fitted with a pressure gauge or equivalent system to indicate the pressure during the dive.

In the natural environment, each diver equipped with open circuit equipment is fitted with a compressed gas inflatable system enabling him or her to return to the surface and remain there.

In the natural environment, each supervised diver above 20 metres and each autonomous diver is equipped with :

- diving equipment enabling a team member to be supplied with breathing gas without sharing a mouthpiece ;
- equipment enabling them to monitor the personal characteristics of their dive and ascent.

In the open water, the person supervising the group is equipped with :

- diving equipment with two independent exits and two full regulators ;
- an inflatable system using compressed gas, enabling them to return to the surface and remain there;
- equipment to monitor the dive and ascent characteristics of the group.

In the natural environment, each group has its own stop chute.

Article A322-81 of the French Sports Code

November 7, 2023

Underwater equipment used by divers is regularly checked and properly maintained.

Snorkels and regulators made available to divers by the establishments are disinfected before each dive if there is a change of user.

Article A322-82 of the French Sports Code

November 7, 2023

The conditions for air diving are set out in appendices III-16 a and III-16 b.

Article A322-83 of the French Sports Code

November 7, 2023

A group of beginners may dive in the 0 to 6 metre range.

During technical training leading to the PE-12 or PE-20 qualification, the group may dive in the 0 to 12 metre zone or in the 0 to 20 metre zone respectively, under the responsibility of a level 2 teacher (E2) mentioned in appendix III-15 b.

Article A322-84 of the French Sports Code

November 7, 2023

A group of divers with PE-12 qualifications may dive from 0 to 12 metres under the responsibility of the person supervising the group.

A group of divers undergoing technical training leading to the PE-20 qualification may dive from 0 to 20 metres, under the responsibility of a level 2 (E2) instructor mentioned in appendix III-15 b.

Article A322-85 of the French Sports Code

November 7, 2023

A group of divers with PE-20 qualifications may dive from 0 to 20 metres under the responsibility of the person supervising the group. During technical training leading to PE-40 skills, the group may dive from 0 to 40 metres under the responsibility of a level 3 teacher (E3) mentioned in appendix III-15 b.

Article A322-86 of the French Sports Code

November 7, 2023

A group of divers with PE-40 qualifications may dive from 0 to 40 metres under the responsibility of the person supervising the group.

During technical training leading to a certificate issued by the Fédération française d'études et de sports sous-marins, the Fédération sportive et gymnique du travail, the Union nationale des centres sportifs de plein air, the Association nationale des moniteurs de plongée, the Syndicat national des moniteurs de plongée or the Confédération mondiale des activités subaquatiques, the group may dive in the 0 to 60 metre zone under the responsibility of a level 4 (E4) instructor mentioned in appendix III-15 b.

Article A322-87 of the French Sports Code

November 7, 2023

A group of divers who hold a certificate issued by the Fédération française d'études et de sports sous-marins, the Fédération sportive et gymnique du travail, the Union nationale des centres sportifs de plein air, the Association nationale des moniteurs de plongée, the Syndicat national des moniteurs de plongée or the Confédération mondiale des activités subaquatiques and who can demonstrate PE-60 skills may dive in the 0 to 60 metre zone under the responsibility of the person supervising the group who is a level 4 (E4) teacher as mentioned in Annex III-15 b.

Article A322-88 of the French Sports Code

November 7, 2023

Divers of at least sixteen years of age with PA-12 qualifications are, by decision of the dive master, authorised to dive independently in the 0 to 12 metre range.

Divers of at least sixteen years of age with PA-20 qualifications are, by decision of the diving master, authorised to dive independently in the 0 to 20 metre range.

Divers of at least seventeen years of age with PA-40 qualifications are, by decision of the diving master, authorised to dive independently in the 0 to 40 metre range.

Article A322-89 of the French Sports Code

November 7, 2023

Divers who have reached the age of majority and who hold a certificate issued by the Fédération française d'études et de sports sous-marins, the Fédération sportive et gymnique du travail, the Union nationale des centres sportifs de plein air, the Association nationale des moniteurs de plongée, the Syndicat national des moniteurs de plongée or the Confédération mondiale des activités subaquatiques and who can demonstrate PA-60 skills are, by decision of the dive director, authorised to dive independently in the 0 to 60 metre range.

Article A322-90 of the French Sports Code

November 7, 2023

Breathing gases and mixtures are as follows:

1° Binary mixtures :

- nitrox is a breathing mixture composed of oxygen and nitrogen in different proportions to air;
- heliox is a breathing mixture composed of oxygen and helium;

2° Ternary mixtures: trimix, a breathing mixture composed of oxygen, nitrogen and helium;

3° Pure oxygen, used in rebreathers and for decompression.

Article A322-91 of the French Sports Code

November 7, 2023

The conditions for diving with oxygen and mixtures other than air are set out in annexes III-17 a, III-17 b, III-17 c, III-18 a, III-18 b and III-18 c.

Article A322-92 of the French Sports Code

November 7, 2023

The minimum partial pressure of oxygen inspired by the diver is limited to 160 hectopascals (0.16 bar). The maximum partial pressure of oxygen inspired by the diver during immersion is limited to 1,600 hectopascals (1.6 bar).

Article A322-93 of the French Sports Code

November 7, 2023

Cylinders are identified according to the gases contained.

The manufacturer or distributor of a breathing mixture other than air shall record the following information on the identification sheet for each cylinder and in the establishment's register:

- the percentage of oxygen analysed and the theoretical composition of the gas mixture ;
- the date of analysis;
- the name of the manufacturer or distributor.

Before diving, the end user completes the identification sheet for each cylinder with the following information:

- the pressure of the gas mixture in the cylinder ;
- the percentage of oxygen analysed and the composition of the mixture;
- the maximum depth at which the mixture can be used;
- the date of the analysis;
- name or initials.

Article A322-94 of the French Sports Code

November 7, 2023

When diving is carried out using rebreathers, these are certified in accordance with current standards.

After having completed a qualifying course, adapted to the rebreather in question, from the Fédération française d'études et de sports sous-marins, the Fédération sportive et gymnique du travail, the Union nationale des centres sportifs de plein air, the Association nationale des moniteurs de plongée or the Syndicat national des moniteurs de plongée, or recognised by the manufacturer of the rebreather, the user of a rebreather may access the prerogatives defined by this section if he/she can demonstrate the skills corresponding to the space in which he/she will be diving and the gas mixtures used.

When diving with a rebreather beyond 6 metres, divers must have access to an open-circuit emergency breathing system delivering one or more breathing mixes enabling them to return to the surface.

In the natural environment, when the person supervising the group uses a rebreather, the emergency breathing system must be independent of the rebreather.

Article A322-95 of the French Sports Code

November 7, 2023

The practice of diving with nitrox mixes is subject to proof of nitrox aptitude for the divers and the person supervising the group in accordance with the table in Annex III-17 a.

The conditions for diving with nitrox mixes are set out in annexes III-17 b and III-17 c.

Article A322-96 of the French Sports Code

November 7, 2023

The practice of diving with trimix or heliox mixes is subject to proof of aptitude by the divers and the person supervising the group in accordance with the table in Annex III-18 a.

The conditions for diving with trimix or heliox mixes are set out in annexes III-18 b and III-18 c.

Article A322-97 of the French Sports Code

November 7, 2023

In addition to the equipment listed in article A. 322-78, the organisation of a dive using trimix or heliox mix requires the presence of the following equipment at the launch or immersion site:

- a weighted descent and ascent line which may also be used for decompression;
- a copy of the planned dive schedule(s);
- logistical support or a practice support boat with an authorised person on the surface to manoeuvre it.

Article A322-98 of the French Sports Code

November 7, 2023

Diving in a pool or diving pit whose depth exceeds 6 metres is subject to the provisions relating to diving in the natural environment.

By way of derogation from the provisions of subsections 1 and 2, when diving takes place in a pool or diving pit the depth of which does not exceed 6 metres, the diving supervisor shall hold at least the teaching level 1 (E1) mentioned in appendix III-15 b. The dive master authorises divers with PE-12 qualifications to dive independently and dive guides (GP) or level 4 divers (P4) to carry out introductory dives.

Notwithstanding the provisions of article A. 322-72 of the French Sports Code, when diving takes place in a swimming pool or diving pit whose depth does not exceed 6 metres, the safety record is not compulsory.

Article A322-99 of the French Sports Code

November 7, 2023

By decision of the operator of the physical activity or sports establishment, a group of divers who hold a certificate issued by the Fédération française d'études et de sports sous-marins, the Fédération sportive et gymnique du travail, the Union nationale des centres sportifs de plein air, the Association nationale des moniteurs de plongée, the Syndicat national des moniteurs de plongée or the Confédération mondiale des activités subaquatiques and who can demonstrate PA-60 skills may dive from 0 to 40 metres in the absence of a divemaster.

The operator is informed, prior to the dive, of the divers' choice of site for the underwater activity. He will ratify the organisation put in place to ensure the safety of the divers and the activation of the emergency services.

Article A322-100 of the French Sports Code

November 7, 2023

In application of the provisions of article R. 322-41, the holder of one of the following diplomas may act as a hyperbaric prevention advisor for dives in the 0 to 40 metre range:

- State certificate in sports education (1st degree), option: underwater diving ;
- State diploma in youth, popular education and sport, specialising in sports development, with a focus on underwater diving;
- Higher State diploma in youth, popular education and sport, specialising in sports performance, with a specialisation in underwater diving.

The holder of one of the following diplomas may act as a hyperbaric prevention advisor for dives beyond 40 metres, within the limits set by this section and in application of the provisions of article R. 322-41:

- State diploma in sports education (2nd degree), subaquatic diving option ;
- State diploma in youth, popular education and sport, specialising in sports development, with a focus on underwater diving;
- Higher State diploma in youth, popular education and sport, specialising in sports performance, with a focus on underwater diving.

Article A322-101 of the French Sports Code

November 7, 2023

For the application of this section, freediving is subject to the provisions of article A. 322-81 and I of article A. 322-78.

By way of derogation from I of article A. 322-78, for freediving in the 0 to 6 metre zone, freedivers have a rescue plan and the following rescue equipment at their disposal at the launch or immersion site:

- a means of communication to alert the emergency services. A VHF is necessary when the dive takes place at sea from a dive support boat;
- evacuation forms according to the standard model in appendix III-19.

Article Annexe III-14 a (art. A322-77) of the French Sports Code

SKILLS to dive in a group under supervision	THE PRACTITIONER MUST PROVE the following skills to the dive director	SKILLS FOR DIVING independently (without supervising the group)	THE PRACTITIONER MUST PROVE the following skills to the dive director
PE-12 Ability to dive in a supervised group from 0 to 12 metres	Mastery of the use of personal equipment, in particular a diving suit with a stabilising jacket Mastery of entering the water, immersion and return to the surface at a controlled speed Mastery of ventilation and maintenance of balance Knowledge of the usual signs Integration into a guided group Respect for the environment and safety rules	PA-12 Ability to move in an autonomous group from 0 to 12 metres	Mastery of PE-12 skills Mastery of orientation and means of controlling depth, dive time and air autonomy Mastery of propulsion using fins on the surface and underwater Mastery of communication with team-mates and appropriate responses to signs Integration into a group with mutual supervision between team-mates Planning the dive and adapting to underwater conditions
PE-20 Ability to dive in a supervised group from 0 to 20 metres	Mastery of PE-12 skills Mastery of propulsion and stabilisation Mastery of ascent speed and maintenance of a decompression stop Knowledge of signs and appropriate responses Mastery of communication with team-mates Integration into a guided group with mutual supervision	PA-20 Ability to move as an autonomous group in the 0 to 20 metres zone.	Mastery of PA-12 and PE-20 skills Mastery of the use of team-mates' equipment Mastery of decompression and return to the surface at controlled speed, maintaining safety stop with safety stop chute Mastery of intervention on a diver in difficulty from the bottom.
PE-40 Ability to dive in a supervised group from 0 to 40 metres	Mastery of PE-20 skills Mastery of the speed of descent during immersion Maintaining a stop with the use of a parachute Knowledge of the specific signs at this depth and mastery of the speed of execution of responses Mastery of a safe ascent in the event of the loss of a group Integration into a guided group at a depth of 20 to 40 metres	PA-40 Ability to move as an autonomous group in the space from 0 to 40 metres	Mastery of PA-20 and PE-40 skills Mastery of decompression procedures Mastery of teammate decompression and vigilance over the cohesion of the group Adaptation of procedures for intervention on a diver in difficulty at a depth of 20 to 40 metres
PE-60 (*) Ability to operate in a supervised group from 0 to 60 metres	Mastery of PE-40 skills Adaptation to underwater conditions at a depth of 40 to 60 metres Integration into a guided group at a depth of 40 to 60 metres	PA-60 (*) Ability to evolve as an autonomous group in the space from 0 to 60 metres	Mastery of PA-40 and PE-60 skills Mastery of dive management at a depth of 40 to 60 metres Mastery of first aid management Mastery of the organisation of one's own immersion in any development zone

(*) This area is reserved for divers who hold a certificate issued by the FFESSM, FSGT, UCPA, ANMP, SNMP or CMAS allowing them to practice in the 0 to 60 metre area.

Article Annexe III-14 b (art. A322-77) of the French Sports Code

Practitioner certificates issued by the Fédération française d'études et de sports sous-marins (FFESSM), the Fédération sportive et gymnique du travail (FSGT), the Union nationale des centres sportifs de plein air (UCPA), the Association nationale des moniteurs de plongée (ANMP), the Syndicat national des moniteurs de plongée (SNMP) and the World Confederation of Subaquatic Activities (CMAS) attesting to the skills in annex III-14 a.

CERTIFICATIONS ISSUED by FFESSM, FSGT, UCPA, ANMP and SNMP	CERTIFICATIONS ISSUED by CMAS	SKILLS FOR SCUBA DIVING (with one person supervising the group)	SKILLS OF DIVING independently (without a supervisor)
Level 1 diver – P1	1-star diver	PE-20	
Level 1 diver – P1 including autonomy		PE-20	PA-12
Level 2 diver – P2	2 star diver	PE-40	PA-20
Level 3 Diver – P3	3 star diver	PE-60	PA-60

Article Annexe III-15 a (art. A322-72) of the French Sports Code

FUNCTIONS	CERTIFICATIONS ISSUED by FFESSM, FSGT, UCPA, ANMP and SNMP	CERTIFICATIONS ISSUED by CMAS	STATE DIPLOMAS
Exploration dives using air or nitrox			
Diving manager	Exploration Dive Director – DPE (*) Level 5 Diver (P5) (*)		
Teaching or exploration dives using air or nitrox Teaching dives with trimix or heliox up to 40 metres Exploration dives with trimix or heliox to 70 metres			
Dive director	MF1 (*) FFESSM or FSGT (*)	2-star instructor	BEES 1 diving DEJEPS diving DESJEPS diving
Teaching trimix or heliox dives Exploration dives with trimix or heliox			
Diving manager	MF2 FFESSM or FSGT (*)		BEES 2 diving DEJEPS diving DESJEPS diving
<p>(*) All these certificates must prove that their holders have demonstrated a technical level at least equivalent to that of the certificates of the same level of the delegating Federation, the FFESSM, and that they have been issued under similar conditions.</p> <p>For diving with mixes, the dive director must also prove the PN-C or PTH-120 skills corresponding to the mixes used in accordance with appendices III-17 a and III-18 a.</p>			

Article Annexe III-15 b (art. A322-74) of the French Sports Code

Minimum qualifications of the person supervising the group

FUNCTIONS	CERTIFICATIONS ISSUED by FFESSM, FSGT, UCPA, ANMP and SNMP	CERTIFICATIONS ISSUED by CMAS	STATE DIPLOMAS
Exploratory air dives			
Person supervising a group of divers on exploration dives	Group guide (GP) (*) Level 4 diver (P4) (*)		BPJEPS diving Trainee BPJEPS diver
Teaching or exploration air diving			
Teaching level 1 (E-1)	FFESSM or FSGT initiator (*)		Diving BPJEPS Trainee BPJEPS diver
Teaching level 2 (E-2)	FFESSM initiator and dive guide (GIP) (*) Trainee instructor MF1 FFESSM FSGT federal aspirant (*)	1-star instructor	BEES 1 diving trainee
Level 3 instructor (E-3)	MF1 FFESSM or FSGT (*)	2 star instructor	BEES 1 diving DEJEPS diving trainee DESJEPS diving trainee
Level 4 instructor (E-1)	MF2 FFESSM or FSGT (*)		BEES 2 diving DEJEPS diving DESJEPS diving
(*) All these certificates must show that their holders have demonstrated a technical level at least equivalent to that of the certificates of the same level of the delegating federation, the FFESSM, and that they have been awarded under similar conditions.			

Article Annexe III-16 a (art. A322-82) of the French Sports Code

Conditions for teaching air diving in the natural environment

SURVEY AREAS	MINIMUM DIVER SKILLS	SKILLS minimum of the person supervising the group	MAXIMUM NUMBER of the group (not including the person supervising)
0 to 6 metres	Baptism	E-1	1 (*)
	Beginners	E-1	4 (*)
0 to 12 metres	Beginners training towards PE-12 or PA-12 skills	E-2	4 (*)
0 to 20 metres	Beginners or PE-12, training towards PE-20 or PA-20 skills	E-2	4 (*)
0 to 40 metres	PE-20 or PA-20, training towards PE-40 or PA-40 skills	E-3	4 (*)
Space from 0 to 60 metres	PE-40 or PA-40, in training towards PE-60 or PA-60 skills	E-4	4
(*) Possibility of adding an additional diver to the group, at least holding a qualification as a dive guide (GP) or level 4 diver (P4).			

Article Annexe III-16 b (art. A322-82) of the French Sports Code

Conditions for exploration in air diving in the natural environment

SPACES	SUPERVISED DIVING			SCUBA DIVING	
	Minimum skills of supervised divers	Maximum number of the group (not including the person supervising the group)	Competence minimum of the person supervising the group	Minimum skills of autonomous divers	Maximum number of divers in the group
0 to 6 metres	Beginners	4 (*)	E1 or GP or P4		
0 to 12 metres	PE-12	4 (*)	E2 or GP or P4	PA-12	3
Space from 0 to 20 metres	PE-20	4 (*)	E2 or GP or P4	PA-20	3
Space from 0 to 40 metres	PE-40	4 (*)	E3 or GP or P4	PA-40	3
Space from 0 to 60 metres	PE-60	4	E4	PA-60	3
(*) Possibility of adding an additional diver to the group, at least holding a qualification as a dive guide (GP) or level 4 diver (P4).					

Article Annexe III-17 a (art. A322-91) of the French Sports Code

Ability to use nitrox

SKILLS FOR DIVING using nitrox	THE PRACTITIONER MUST PROVE THE FOLLOWING SKILLS to the dive director
<p style="text-align: center;">PN</p> <p>Ability to dive in a nitrox group with an oxygen content not exceeding 40%.</p>	<p>To operate in a supervised or autonomous group : mastery of the air skills appropriate to the area in question Mastery of the management and use of your nitrox equipment, analysis of the mix with an oxygen content not exceeding 40% and completion of the cylinder identification sheet Mastery of maintaining your balance and managing your profile in relation to the minimum depth of your mix Mastery of decompression equipment (nitrox table or computer) Knowledge of the hyperoxic risks associated with using nitrox.</p>
<p style="text-align: center;">PN-C (advanced nitrox diver)</p> <p>Ability to dive with a group of divers using nitrox and to decompress using pure oxygen.</p>	<p>To operate in a supervised or autonomous group: mastery of the air skills corresponding to the diving area concerned Mastery of PN skills Mastery of the use and choice of equipment with several nitrox mixes on the bottom and during decompression and the use of pure oxygen. Mastery of equilibrium and stabilisation at decompression depth when changing mixes. Knowledge of the principles of mix manufacture For supervised descents: proficiency in PE-40 or PE-60 depending on the area concerned. For autonomous descents: proficiency in PA-40 or PA-60 depending on the area concerned. Proficiency in PN-20. Mastery of the use and choice of equipment with several nitrox mixes on the bottom and in decompression and the use of pure oxygen Mastery of equilibrium and stabilisation at depth during changes of mixes. Knowledge of the principles of mix manufacture.</p>

Article Annexe III-17 b (art. A322-91) of the French Sports Code

Conditions for teaching nitrox diving in the natural environment

DEVELOPMENT AREAS	MINIMUM SKILLS of divers	SKILLS minimum of the person supervising the group	MAXIMUM NUMBER of the group (not including the person supervising the group)
0 to 6 metres	First dive	E-2 + PN-C	1 (*)
	Beginners	E-2 + PN-C	4 (*)
0 to 12 metres	PE-12 training towards PN skills	E-2 + PN-C	4 (*)
0 to 20 metres	PE-20 in training towards PN skills	E-2 + PN-C	4 (*)
0 to 40 metres	PE-40 + PN	E-3 + PN-C	4 (*)
Space beyond 40 metres and up to 60 metres	PE-60 + PN	E-4 + PN-C	4
<p>(*) Possibility of adding an additional diver to the group, who must hold a minimum qualification of dive guide (GP) or level 4 diver (P4) + PN-C.</p>			

Article Annexe III-17 c (art. A322-91) of the French Sports Code

Exploration conditions for nitrox diving in the natural environment

SPACES	SUPERVISED DIVING			SCUBA DIVING	
	Minimum skills of supervised divers	Maximum number of the group (not including the person supervising the group)	Competence minimum of the person supervising the group	Minimum skills of autonomous divers	Maximum number of divers in the group
0 to 12 metres	PE-12 + PN	4 (*)	E2 or GP or P4 + PN-C	PA-12 + PN	3
Space from 0 to 20 metres	PE-20 + PN	4 (*)	E2 or GP or P4 + PN-C	PA-20 + PN	3
Space from 0 to 40 metres	PE-40 + PN	4 (*)	E3 or GP or P4 + PN-C	PA-40 + PN	3
Space beyond 40 metres and up to 60 metres	PE-60 + PN	4	E4 + PN-C	PA-60 + PN	3
(*) Possibility of adding an additional diver to the group, with at least a qualification as a dive guide (GP) or level 4 diver (P4) + PN-C.					

Article Annexe III-18 a (art. A322-96) of the French Sports Code

Ability to use trimix or heliox

SKILLS FOR DIVING with trimix or heliox	THE PRACTITIONER MUST PROVE THE FOLLOWING SKILLS to the dive director
<p>PTH-40 Ability to dive with a group of divers using trimix or heliox from 0 to 40 metres.</p>	<p>To operate in a supervised group: mastery of skills PE-40 + PN-C To operate as part of an autonomous group: mastery of PA-40 + PN-C skills Proficiency in the use of equipment, gas analysis and cylinder marking Mastery of stabilisation, ascent speed and communication with your team-mate Mastery of the use of your parachute and reel.</p>
<p>PTH-70 Ability to dive as part of a group using trimix or heliox in a space from 0 to 70 metres.</p>	<p>To operate in a supervised group: mastery of PE-60 + PTH-40 skills. To operate as part of an autonomous group: proficiency in PA-60 + PTH-40 Mastery of the use of the descent/decompression line Mastery of dive planning with several gas mixes (trimix bottom mix and decompression mix) Mastery of procedures for intervening on a diver in difficulty from the bottom.</p>
<p>PTH-120 Ability to dive with a group of divers using trimix or heliox in areas beyond 70 metres and up to 120 metres.</p>	<p>To operate as an autonomous group: mastery of PA-60 + PTH-70 skills Proficiency in preparing and setting up the descent/decompression line Mastery of material organisation and decompression planning Mastery of the manufacture of trimix and nitrox mixes. To operate as an autonomous group: mastery of the PA-60 + PTH-60 skills. Mastery of the preparation and setting up of the descent/decompression line. Mastery of the material organisation and planning of decompression. Mastery of the manufacture of trimix and nitrox mixes.</p>

Article Annexe III-18 b (art. A322-91) of the French Sports Code

Conditions for teaching trimix or heliox diving in the natural environment

SPACES	MINIMUM DIVER SKILLS	SKILLS minimum of the person supervising the group	MAXIMUM NUMBER OF DIVERS (not including the person supervising the group)
0 to 40 metres	PE-40 + PN-C in training for PTH-40 skills	E-3 + PTH-70	4
0 to 70 metres	PE-60 + PTH-40 in training towards PTH-70 skills	E-4 + PTH-120	4
Space from 0 to 80 metres	PE-60 + PTH-70 in training towards PTH-120 skills	E-4 + PTH-120	4

Article Annexe III-18 c (art. A322-91) of the French Sports Code

Conditions for exploration diving with trimix or heliox in the natural environment

SPACES of evolution	SUPERVISED DIVING			SCUBA DIVING	
	Minimum skills of supervised divers	Maximum number of the group (not including the person supervising the group)	Competence minimum of the person supervising the group	Minimum skills of autonomous divers	Maximum number of divers in the group
0 to 40 metres	PE-40 + PTH-40	4	E3 + PTH-40	PA-40 + PTH-40	3
Space from 0 to 70 metres	PE-60 + PTH-70	4	E4 + PTH-70	PA-60 + PTH-70	3
Space from 0 to 80 metres	PE-60 + PTH-120	4	E4 + PTH-120	PA-60 + PTH-120	3
Space beyond 80 metres and up to 120 metres				PA-60 + PTH-120	3

