

## **Standard 2.C.2 / BOD no 179 ( 11-22-2012 )**

### **CMAS Extended Range Nitrox Diver**

#### **Basic Requirements**

#### 1. Aim of the training programme

- 1.1 This training programme aims at widening the experience gained since becoming an Advanced Nitroxdiver through theory and techniques. This course will include training in accelerated decompression techniques. It will make candidates aware of the additional risks involved while undertaking this type of diving.

#### 2. Classification

- 2.1 The CMAS Extended Range Nitrox Diver Training Programme is classified as an advanced speciality diver training programme. This qualification has no expiry date, subject to National Standards.

#### 3. Instructor and Assistant Requirements

- 3.1 The CMAS Extended Range Nitrox Diver Training Programme may be presented by any CMAS Instructor with a minimum of a CMAS Extended Range Nitrox Instructor or Advanced Nitrox Instructor with accelerated decompression endorsement grading that complies with the requirements as prescribed by Clause 2.1.16 of the definitions in Chapter 1.

- 3.1.1 Instructor must be in active instructor status as required by the national federation
- 3.1.2 Must have proven ability and experience and have logged at least 50 Nitrox dives including 25 Extended Range dives or 25 Trimix dives or a combination of both

#### 4. Competencies of a certified CMAS **Extended Range Nitrox**Diver

- 4.1 A CMAS Extended Range Nitrox Diver shall be trained such that when assessed by a CMAS Instructor, he shall be deemed to have sufficient knowledge, skill and experience:
- 4.1.1 To plan, conduct, and log EANopen-water dives that can involve in-water, decompression stops using Nitrox mixes up to and including pure oxygen, when properly equipped with in-service oxygen clean Scuba and accompanied by a SCUBA diver of at least equal training
- 4.1.2 To be aware of the additional risks attached to this type of diving and the use of pure oxygen
- 4.1.3 Able to undertake this type of diving at altitude depending on the National Federation rules
- 4.1.4 Be able to plan dives, select and use the correct mix and gas usage
- 4.1.5 Be able to demonstrate an understanding of depth discipline when using pure oxygen. The permitted depth is limited to a maximum of 54 meters (or to the maximum depth permitted by national standards) subject to a 1.4 pO<sub>2</sub> for diving and 1.6 pO<sub>2</sub> for stage stops

#### 5. Prerequisites for participation in the training programme

- 5.1 In order to gain access to the Extended Range Nitrox Diver Training Programme, the participant shall:
- 5.1.1 Hold a CMAS Advanced Nitrox Diver or equivalent certification
- 5.1.2 Have a minimum of 50 Nitrox dives logged
- 5.1.3 Complete the medical history/statement form required by the CMAS

# CMAS International Diver Training Standards and Procedures Manual

---

- National Federation prior to participating in any in-water activities; and
- 5.1.4 Sign the appropriate form(s) as required by the CMAS Federation acknowledging and assuming the risks of SCUBA diving prior to participating in any in-water activities. Parental or legal guardian signature is required on the appropriate form(s) when the applicant is a minor.

## 6. Requirements for certification

6.1 In order to be certified as a CMAS Extended Range Nitrox Diver, the student shall:

- 6.1.1 Comply with all the prerequisites for participation in the training programme as prescribed by Clause 5 of this Standard;
- 6.1.2 Successfully complete the theoretical assessment as provided for in Clause 10.1 of this Standard; and
- 6.1.3 Successfully complete the practical skills assessment as provided for in Clause 10.2 of this Standard.

## 7. Required theoretical knowledge and diving skills

7.1 The participant shall receive tuition in the theoretical knowledge and practical skills as prescribed in the Training Programme 3.C.2 in Chapter 3.

## 8. Theoretical training parameters

- 8.1 The CMAS Instructor shall conform to the standard theoretical training parameters as prescribed in Clause 4.5 of Chapter 1.
- 8.2 All Scuba equipment shall be in oxygen Service, Dive Cylinder will be correctly labelled and gas mixtures will be within +/- 1% of the planned dive gas

## 9. Practical training parameters

- 9.1 The CMAS Instructor shall conform to the standard practical training parameters as prescribed in Clause 4.6 of Chapter 1.
- 9.2 The CMAS Instructor shall give instruction to the candidates as prescribed in the Extended Range Nitrox training programme as outlined in 3.C.2 in Chapter 3.

## 10. Assessment

### 10.1 **Knowledge**

10.1.1 The participant shall demonstrate to the CMAS Instructor a good mental attitude towards this type of diving. In order to qualify the candidate must achieve at least 80% in the theory examination. They will be examined on the topics as outlined in the Training Programme 3.C.2 in Chapter 3.

### 10.2 **Practical skills**

10.2.1 The participant shall demonstrate to the CMAS Instructor his mastery of the EAN practical skills, as prescribed in Clause 2.1 of Standard 3.C.2 in Chapter 3, during a practical skills assessment session.

## 11. Certification

11.1 Upon successful completion of the training programme the participant shall be awarded with a CMAS Extended Range Nitrox Diver C-card.