

Standard Number: 2.B.23 / BOD no 181 (04-18-2013)
CMAS Closed Circuit Rebreather Diver Training Programme

1. Aim of the training programme

1.1 The CMAS Closed Circuit Rebreather Training Programme is designed to cultivate the essential skills required for sound CCR diving practice, irrespective of depth, diluent or environment. It performs a three-fold function: It provides the CCR diver, with an opportunity to advance his/her basic diving skills using Closed Circuit Rebreather equipment, in a progressive manner developing more comfort, confidence, and competence in the water. It provides non-CMAS trained divers with a gateway to CMAS Technical training.

2. Classification

2.1 The CMAS Closed Circuit Rebreather Training Programmes classified as an Intermediate/Advanced level speciality diver training programme.

3. Instructor and Assistant Requirements

3.1 The CMAS Technical Skills Training Programme may be presented by any CMAS Closed Circuit Rebreather Instructor with a minimum of a CMAS Two Star Instructor grading that complies with the requirements as prescribed by Clause 2.1.16 of the definitions in Chapter 1.

3.2 The CMAS Closed Circuit Rebreather Instructor may be assisted by at least a CMAS Dive Leader who holds CMAS CCR Trimix diver (all diluents) certificate that complies with Clause 2.1.15 of the definitions Chapter 1.

4. Competencies of a certified CMAS Closed Circuit Rebreather Diver

4.1 A CMAS Closed Circuit Rebreather Air Diluent Diver, he shall be trained such that when assessed by a CMAS Instructor, he shall be deemed to have sufficient knowledge, skill and experience to dive using a Closed Circuit Rebreather with diluent air or nitrox mix.

4.2 A CMAS Closed Circuit Rebreather Normoxic Trimix Diluent Diver, he shall be trained such that when assessed by a CMAS Instructor, he shall be deemed to have sufficient knowledge, skill and experience to dive using a Closed Circuit Rebreather with diluent normoxic trimix.

4.3 A CMAS Closed Circuit Rebreather Trimix Diluent (all mixes) Diver, he shall be trained such that when assessed by a CMAS Instructor, he shall be deemed to have sufficient knowledge, skill and experience to dive using a Closed Circuit Rebreather hypoxic Trimix (all mixes).

5. Prerequisites for participation in the training programme

5.1 In order to gain access to the Closed Circuit Rebreather Training Programme, the participant shall:

5.1.1 Be at least eighteen(18) years of age; there is no upper limit;

5.1.1.1 For Access to CMAS Closed Circuit Rebreather Air Diluent Diver training course;

5.1.1.1.1 Hold a CMAS Three (3) Star diver or equivalent certification;

5.1.1.1.2 Hold a CMAS Advanced Nitrox Diver or equivalent from a recognized agency

5.1.1.2 For Access to CMAS Closed Circuit Rebreather Normoxic Trimix Diluent training

CMAS International Diver Training Standards and Procedures Manual

course.

- 5.1.1.2.1 Hold a CMAS Closed Circuit Rebreather Air Diluent Diver or equivalent from a recognized agency.
- 5.1.1.2.2 More than 50 hours logged as a CMAS Closed Circuit Rebreather Air Diluent Diver
- 5.1.1.3 For Access to CMAS Closed Circuit Rebreather Trimix (all mixes) Diluent training
- 5.1.1.3.1 Hold a CMAS Closed Circuit Rebreather Air Diluent Diver/CMAS Closed Circuit Rebreather Normoxic Trimix Diluent or equivalent from a recognized agency.
- 5.1.1.3.2 More than 80 hours logged as a CMAS Closed Circuit Rebreather Air Diluent Diver/ CMAS Closed Circuit Rebreather Normoxic Trimix Diluent or equivalent from a recognized agency.
- 5.1.2 Effectively demonstrate his basic watermanship ability by performing, to a CMAS Instructor, the prescribed physical conditioning and watermanship evaluation of the CMAS Federation;
- 5.1.3 Complete the medical history/statement form required by the CMAS 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 Technical Skills 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 Standard 3.B.23 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.

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

10 Assessment

10.1 **Knowledge**

10.1.1 The participant shall demonstrate to the CMAS Instructor knowledge of CCR diving theory and techniques (according to the diluent) by taking and passing an oral or written examination. This examination shall test CCR diving theory and techniques as prescribed in Standard 3.B.23 in Chapter 3.

10.2 **Practical skills**

10.2.1 The participant shall demonstrate to the CMAS Instructor his mastery of the Closed Circuit Rebreather practical skills, as prescribed in Clause 2.1 of Standard 3.B.23 in Chapter 3, during a practical skills assessment session.

10. Certification

11.1 Upon successful completion of the training programme the participant shall be awarded with the CMAS Closed Circuit Rebreather Diver C-card (of the level he has successfully completed).