Australian/New Zealand Standard

Training and certification of occupational divers

Part 5: Dive supervisor

Superseding AS 2815.5—2006
This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee SF-017, Occupational Diving. It was approved on behalf of the Council of Standards Australia on 23 October 2013 and on behalf of the Council of Standards New Zealand on 20 September 2013.

This Standard was published on 3 December 2013.

The following are represented on Committee SF-017:
Association of Diving Contractors, New Zealand
Australian Council of Trade Unions
Australian Diver Accreditation Scheme
Australian Diving Contractors Association
Australian Marine Sciences Association
Australian Medical Association
CSIRO Marine and Atmospheric Research
Department of Defence, Australia
International Marine Contractors Association
Maritime Union of Australia
National Association of Occupational Diver Training Establishments
National Institute of Water and Atmospheric Research
NSW Police Force
New Zealand School of Commercial Diver Training
Royal New Zealand Navy
Safe Work Australia
South Pacific Underwater Medicine Society
Victoria Police

Keeping standards up to date
Standards are living documents which reflect progress in science, technology and systems. To maintain their currency, all standards are periodically reviewed, and new editions are published. Between editions, amendments may be issued. Standards may also be withdrawn. It is important that readers assure themselves they are using a current standard, which should include any amendments which may have been published since the standard was purchased.

Detailed information about joint Australian/New Zealand standards can be found by visiting the standards webshop at www.standards.com.au or Standards New Zealand’s website at www.standards.co.nz.

Alternatively, Standards Australia publishes an annual printed catalogue with full details of all current standards. For more frequent listings or notification of revisions, amendments and withdrawals, Standards Australia and Standards New Zealand offer a number of update options. For information about these services, users should contact their respective national standards organisation.

We also welcome suggestions for improvement in our standards, and especially encourage readers to notify us immediately of any apparent inaccuracies or ambiguities. Please address your comments to the Chief Executive of either Standards Australia or Standards New Zealand at the address shown on the title page.

This Standard was issued in draft form for comment as DR2 AS/NZS 2815.5.
PREFACE

This Standard was prepared by the Standards Australia/Standards New Zealand Committee SF-017, Occupational Diving, to supersede AS 2815.5—2006.

The Standard is Part 5 of a series of Standards relevant to the training and certification of underwater divers, where the requirements of regulatory authorities and industry demand a prescribed degree of training and competence to ensure an adequate degree of safety, performance and economy.

The objective of this Standard is to provide regulatory authorities, training providers and trainees with a summary of the minimum competencies for an occupational dive supervisor, the minimum content of a training course for imparting these competencies to trainee occupational dive supervisor and assessment procedures.

The objective of this revision is to update selection criteria for candidates and to include provisions for training in the use of enriched air nitrox (EAN).

This Standard also provides guidance and allows for certified supervisors to undertake EAN training as a stand-alone addition to supervisor training which was previously undertaken.

This Standard sets out requirements for the training and competencies of personnel who will be engaged to supervise underwater diving operations. It is particularly related to diving operations as described in AS/NZS 2299.1, Occupational diving operations, Part 1: Standard operational practice.

Persons who successfully complete the training course specified in this Standard are eligible for certification under the Australian Diver Accreditation Scheme (ADAS) subject to ADAS approval of the diver training establishment.
CONTENTS

SECTION 1 SCOPE AND GENERAL
1.1 SCOPE .................................................................................................................... ..... 4
1.2 APPLICATION ........................................................................................................... 4
1.3 NORMATIVE REFERENCES .................................................................................... 5
1.4 DEFINITIONS ............................................................................................................. 5
1.5 PURPOSE .................................................................................................................. .. 6
1.6 SAFETY AND HEALTH ............................................................................................ 6
1.7 RECORD KEEPING ................................................................................................... 6
1.8 TRAINEE APPLICATION .......................................................................................... 6

SECTION 2 TRAINING COURSE CONTENT ....................................................................... 8

SECTION 3 UNITS OF COMPETENCY
3.1 ROLE OF THE DIVE SUPERVISOR ......................................................................... 9
3.2 IMPLEMENT AND MONITOR WORK HEALTH AND SAFETY PROGRAMS ... 10
3.3 DIVING PHYSICS, PHYSIOLOGY AND ASSOCIATED CALCULATIONS ...... 11
3.4 MANAGE DIVING ILLNESSES AND MEDICAL EMERGENCIES .................... 12
3.5 MANAGE RISK ASSOCIATED WITH DIVE OPERATIONS ................................ 14
3.6 PLAN DIVE OPERATIONS ..................................................................................... 15
3.7 CONDUCT DIVE OPERATIONS ............................................................................. 18
3.8 PLANT, EQUIPMENT AND MAINTENANCE PROCEDURES ......................... 19
3.9 MANAGE PEOPLE .................................................................................................. 20
3.10 SUPERVISE USE OF TOOLS IN A DIVE OPERATION ........................................ 22
3.11 SUPERVISE ON-SITE CHAMBER OPERATIONS ......................................... 23
3.12 SUPERVISE STAGE-ASSISTED DIVING .............................................................. 24
3.13 SUPERVISE ENRICHED AIR NITROX (EAN) DIVING ........................................ 25

SECTION 4 TRAINING PLANS, ASSESSMENT AND PLANNED EXPERIENCE
4.1 DEVELOPING THE TRAINING PLAN ................................................................... 27
4.2 METHODS OF TRAINEE ASSESSMENT ............................................................... 28
4.3 STAFFING, EQUIPMENT AND FACILITIES......................................................... 30

BIBLIOGRAPHY .................................................................................................................. ... 33
1.1 **SCOPE**

This Standard specifies the training activities and competencies required for the training and certification of dive supervisors for occupational diving operations using self-contained underwater breathing apparatus (SCUBA) and surface-supplied underwater breathing apparatus (SSBA).

This Standard specifies the training and competencies required for the following three levels of supervisor qualifications:

(a) Occupational dive supervisor for SCUBA diving.

(b) Occupational dive supervisor for surface supplied diving to 30 m.

(c) Occupational dive supervisor for surface supplied diving to 50 m.

**NOTES:**

1 This Standard does not apply to supervision of diving operations conducted under the Offshore Petroleum and Greenhouse Gas Storage (Safety) Regulations 2009 or state Petroleum (Submerged Land) Acts and associated regulations.

2 This Standard may be used to train and assess dive supervisors for any type of diving operation, however, for certification, it is necessary for the dive supervisor to be capable of effectively supervising the range of common general diving operations.

3 This Standard is not intended to apply to the training of dive coordinators who supervise and coordinate scientific diving conducted in accordance with AS/NZS 2299.2. The training activities and competencies set out in this Standard may be useful as guidance for such training.

1.2 **APPLICATION**

1.2.1 **General**

This Standard comprises requirements and guidance for use by the trainee, trainee’s employer, training establishment or certification agency. Specifically, it is intended to—

(a) prescribe to a trainee the level of competency that a qualified diver is expected to achieve;

(b) provided a basis for a supervisor or employer to evaluate the current competence of divers;

(c) provide minimum requirements for a school or training establishment in the development of a course of training;

(d) be used by certification agencies to assess training provided to trainee divers; and

(e) be used to assess and certify diver training establishments delivering the training.
AS/NZS 2815.5:2013 Training and certification of occupational divers - Part 5: Dive supervisor

This is a free sample only.

Purchase the full publication here:
https://shop.standards.govt.nz/catalog/2815.5%3A2013%28AS%7CNZS%29/view

Or contact Standards New Zealand using one of the following methods.

**Freephone:** 0800 782 632 (New Zealand)
**Phone:** +64 3 943 4259
**Email:** enquiries@standards.govt.nz