

Australian Standard[®]

**Training and certification of
occupational divers**

Part 5: Dive supervisor



This Australian Standard® was prepared by Committee SF-017, Occupational Diving. It was approved on behalf of the Council of Standards Australia on 20 September 2006. This Standard was published on 5 October 2006.

The following are represented on Committee SF-017:

- Association of Diving Contractors, New Zealand
 - Australian Chamber of Commerce and Industry
 - Australian Council of Trade Unions
 - Australian Diver Accreditation Scheme
 - Australian Diving Contractors Association
 - Australian Marine Sciences Association
 - Australian Medical Association
 - Australian Seafood Industry Council
 - CSIRO Marine and Atmospheric Research
 - Department for Administrative and Information Services, SA
 - Department of Defence, Australia
 - Department of Labour, New Zealand
 - Dive Queensland
 - Dive Training Council, New Zealand
 - Hyperbaric Engineering Industry Forum
 - Maritime Union of Australia
 - NSW Police Service
 - National Association of Occupational Diver Training Establishments, Australia
 - New Zealand Commercial Diver Training Council
 - New Zealand Underwater Association
 - Professional Divers Association of Australia
 - Royal New Zealand Navy
 - South Pacific Underwater Medicine Society
 - Underwater Visual Producers Association, Australia
 - Victoria Police
 - WorkCover New South Wales
-

This Standard was issued in draft form for comment as DR 05574.

Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee and through public comment period.

Keeping Standards up-to-date

Australian Standards® are living documents that 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Standards may also be withdrawn.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 that may have been published since the Standard was published.

Detailed information about Australian Standards, drafts, amendments and new projects can be found by visiting **www.standards.org.au**

Standards Australia welcomes suggestions for improvements, and encourages readers to notify us immediately of any apparent inaccuracies or ambiguities. Contact us via email at **mail@standards.org.au**, or write to Standards Australia, GPO Box 476, Sydney, NSW 2001.

Australian Standard[®]

Training and certification of occupational divers

Part 5: Dive supervisor

First published as AS 2815.5—2006.

COPYRIGHT

© Standards Australia

All rights are reserved. No part of this work may be reproduced or copied in any form or by any means, electronic or mechanical, including photocopying, without the written permission of the publisher.

Published by Standards Australia GPO Box 476, Sydney, NSW 2001, Australia

ISBN 0 7337 7771 6

PREFACE

This Standard was prepared by the Standards Australia/Standards New Zealand Committee SF-017, Occupational Diving, as a new Part to the AS 2815 series on training and certification of occupational divers.

This Standard was prepared by the Australian members of the Joint Standards Australia/Standards New Zealand Committee SF-017. After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this Standard as an Australian Standard rather than an Australian/New Zealand Standard.

The Standard is one part (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.

This Standard sets out 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

	<i>Page</i>
SECTION 1 SCOPE AND GENERAL	
1.1 SCOPE	4
1.2 APPLICATION	4
1.3 PURPOSE AND UNITS OF COMPETENCY	5
1.4 REFERENCED DOCUMENTS	5
1.5 DEFINITIONS	6
1.6 SELECTION CRITERIA	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 OCCUPATIONAL HEALTH AND SAFETY PROGRAMS	10
3.3 DIVING PHYSICS, PHYSIOLOGY AND ASSOCIATED CALCULATIONS	12
3.4 MANAGE DIVING ILLNESSES AND MEDICAL EMERGENCIES	12
3.5 MANAGE RISK ASSOCIATED WITH DIVE OPERATIONS	14
3.6 PLAN DIVE OPERATIONS	16
3.7 CONDUCT DIVE OPERATIONS	18
3.8 PLANT, EQUIPMENT AND MAINTENANCE PROCEDURES	20
3.9 MANAGE PEOPLE	22
3.10 SUPERVISE USE OF TOOLS IN A DIVE OPERATION	24
3.11 SUPERVISE ON SITE CHAMBER OPERATIONS	26
3.12 SUPERVISE WET BELL DIVING	27
SECTION 4 TRAINING PLANS, ASSESSMENT AND PLANNED EXPERIENCE	
4.1 DEVELOPING THE TRAINING PLAN	28
4.2 METHODS OF TRAINEE ASSESSMENT	29
4.3 STAFFING, EQUIPMENT AND FACILITIES	31