

# Occupational Diving Course Information Booklet





ABN 57 072 742 002

**The Underwater Centre  
Fremantle Pty Ltd**

8 Rous Head Road, North Fremantle  
Western Australia 6159  
PO Box 130, North Fremantle  
Western Australia 6159

**Phone:** +61 8 9336 3343  
**Facsimile:** +61 8 9336 3345  
**Email:** [webmaster@tucf.com.au](mailto:webmaster@tucf.com.au)  
**Web:** [www.tucf.com.au](http://www.tucf.com.au)



# CONTENTS

|   |           |
|---|-----------|
| <b>CONTENTS</b> .....   | <b>3</b>  |
| <b>1. BACKGROUND</b> .....                                      | <b>8</b>  |
| <b>1.1 THE PERFECT PLACE TO START YOUR DIVING CAREER!</b> ..... | <b>8</b>  |
| 1.1.1 Key Personnel .....                                       | 8         |
| 1.1.2 Accredited Training .....                                 | 9         |
| 1.1.3 Purpose Built Facilities .....                            | 10        |
| <b>1.2 THE OCCUPATIONAL DIVING INDUSTRY</b> .....               | <b>10</b> |
| 1.2.1 What is Occupational Diving? .....                        | 10        |
| 1.2.2 Why Do I Need To Do A Course? .....                       | 11        |
| 1.2.3 What Courses Do I Need To Do?.....                        | 11        |
| 1.2.4 Do I Need Prior Experience? .....                         | 11        |
| 1.2.5 Am I Suitable?.....                                       | 12        |
| 1.2.6 Will I Get a Job? .....                                   | 13        |
| 1.2.7 How Will TUCF Help Me Get A Job?.....                     | 14        |
| 1.2.8 How Much Money Can I Realistically Expect to Earn? .....  | 14        |
| <b>1.3 WHILE UNDER TRAINING</b> .....                           | <b>15</b> |
| 1.3.1 Is There Any Income Tax Relief? .....                     | 15        |
| 1.3.2 Is Grant Assistance Available?.....                       | 15        |
| 1.3.3 What Immigration and Visas Restrictions Are There? .....  | 15        |
| 1.3.4 Is GST Payable? .....                                     | 16        |
| <b>2. COURSE ADMINISTRATION</b> .....                           | <b>17</b> |
| <b>2.1 DAILY PROGRAM</b> .....                                  | <b>17</b> |
| 2.1.1 General.....  | 17        |
| <b>2.2 LOGISTICS</b> .....                                      | <b>17</b> |
| 2.2.1 Training Locations.....                                   | 17        |
| 2.2.2 Meals.....  | 18        |
| 2.2.3 Accommodation .....                                       | 18        |
| 2.2.4 Transport .....   | 19        |
| 2.2.5 Personal Items .....                                      | 19        |
| 2.2.6 Diving Medicals.....                                      | 21        |
| 2.2.7 English Language .....                                    | 22        |
| 2.2.8 Liability Release .....                                   | 22        |
| 2.2.9 Course Fees .....   | 22        |
| 2.2.10 Personal Medical Expenses .....                          | 23        |
| 2.2.11 Meeting the Staff .....                                  | 23        |
| 2.2.12 Further Information .....                                | 23        |
| <b>3. OCCUPATIONAL SCUBA AIR (ADAS PART 1)</b> .....            | <b>25</b> |
| <b>3.1 IN BRIEF</b> .....                                       | <b>25</b> |
| 3.1.1 Course Details.....                                       | 25        |
| 3.1.2 Selection Criteria .....                                  | 25        |



|            |  |           |
|------------|--|-----------|
| <b>3.2</b> | <b>IN DETAIL.....</b>                              | <b>26</b> |
| 3.2.1      | Course Synopsis.....                               | 26        |
| 3.2.2      | Course Overview .....                              | 26        |
| 3.2.3      | Course Standards .....                             | 26        |
| 3.2.4      | Subjects Covered .....                             | 26        |
| <b>4.</b>  | <b>AIR DIVING TO 30 METRES (ADAS PART 2) .....</b> | <b>27</b> |
| <b>4.1</b> | <b>IN BRIEF .....</b>                              | <b>27</b> |
| 4.1.1      | Course Details.....                                | 27        |
| 4.1.2      | Selection Criteria.....                            | 27        |
| <b>4.2</b> | <b>IN DETAIL.....</b>                              | <b>27</b> |
| 4.2.1      | Course Synopsis.....                               | 27        |
| 4.2.2      | Course Overview .....                              | 27        |
| 4.2.3      | Course Standards .....                             | 28        |
| 4.2.4      | Subjects Covered .....                             | 28        |
| <b>5.</b>  | <b>AIR DIVING TO 50 METRES (ADAS PART 3) .....</b> | <b>29</b> |
| <b>5.1</b> | <b>IN BRIEF .....</b>                              | <b>29</b> |
| 5.1.1      | Course Details.....                                | 29        |
| 5.1.2      | Selection Criteria.....                            | 29        |
| <b>5.2</b> | <b>IN DETAIL.....</b>                              | <b>29</b> |
| 5.2.1      | Course Synopsis.....                               | 29        |
| 5.2.2      | Course Overview .....                              | 30        |
| 5.2.3      | Course Standards .....                             | 30        |
| 5.2.4      | Subjects Covered .....                             | 30        |
| <b>6.</b>  | <b>ADAS PART 1, 2 AND 3 RFT/RPL.....</b>           | <b>31</b> |
| <b>6.1</b> | <b>IN BRIEF .....</b>                              | <b>31</b> |
| 6.1.1      | Course Synopsis.....                               | 31        |
| 6.1.2      | Selection Criteria.....                            | 31        |
| <b>6.2</b> | <b>IN DETAIL.....</b>                              | <b>31</b> |
| 6.2.1      | Outline of Program .....                           | 31        |
| 6.2.2      | RFT.....   | 32        |
| 6.2.3      | Dates.....   | 32        |
| 6.2.4      | Price and Duration .....                           | 32        |
| <b>7.</b>  | <b>ADAS PART 2 (RESTRICTED) .....</b>              | <b>33</b> |
| <b>7.1</b> | <b>IN BRIEF .....</b>                              | <b>33</b> |
| 7.1.1      | Course Details.....                                | 33        |
| 7.1.2      | Selection Criteria.....                            | 33        |
| <b>7.2</b> | <b>IN DETAIL.....</b>                              | <b>33</b> |
| 7.2.1      | Course Synopsis.....                               | 33        |
| 7.2.2      | Course Overview .....                              | 34        |
| 7.2.3      | Course Standards .....                             | 34        |
| 7.2.4      | Subjects Covered .....                             | 34        |



|  |           |
|--|-----------|
| <b>8. CHAMBER OPERATOR .....</b>             | <b>35</b> |
| <b>8.1 IN BRIEF .....</b>                    | <b>35</b> |
| 8.1.1 Course Details.....                    | 35        |
| 8.1.2 Selection Criteria .....               | 35        |
| 8.1.3 Course Synopsis .....                  | 36        |
| <b>8.2 IN DETAIL.....</b>                    | <b>36</b> |
| 8.2.1 Course Standards .....                 | 36        |
| 8.2.2 Subjects Covered .....                 | 36        |
| <b>9. DIVE SUPERVISOR .....</b>              | <b>37</b> |
| <b>9.1 IN BRIEF .....</b>                    | <b>37</b> |
| 9.1.1 Course Details.....                    | 37        |
| 9.1.2 Selection Criteria .....               | 37        |
| <b>9.2 IN DETAIL.....</b>                    | <b>38</b> |
| 9.2.1 Course Synopsis .....                  | 38        |
| 9.2.2 Course Overview .....                  | 38        |
| 9.2.3 Course Standards.....                  | 38        |
| <b>10. HARDSUITS.....</b>                    | <b>40</b> |
| <b>10.1 IN BRIEF .....</b>                   | <b>40</b> |
| 10.1.1 Course Details.....                   | 40        |
| 10.1.2 Selection Criteria .....              | 40        |
| <b>10.2 IN DETAIL.....</b>                   | <b>40</b> |
| 10.2.1 Prerequisite Skills .....             | 40        |
| 10.2.2 Physical Requirements .....           | 41        |
| 10.2.3 Course Synopsis .....                 | 41        |
| 10.2.4 Technician Course .....               | 41        |
| 10.2.5 Pilot Course .....                    | 41        |
| 10.2.6 Other Course Options .....            | 41        |
| 10.2.7 Course Overview .....                 | 42        |
| 10.2.8 Course Standards.....                 | 42        |
| <b>11. SENIOR FIRST AID - FLEXIBLE .....</b> | <b>43</b> |
| <b>11.1 IN BRIEF.....</b>                    | <b>43</b> |
| 11.1.1 Course Details.....                   | 43        |
| 11.1.2 Selection Criteria .....              | 43        |
| 11.1.3 Course Standards .....                | 43        |
| <b>11.2 IN DETAIL.....</b>                   | <b>43</b> |
| 11.2.1 Course Overview .....                 | 43        |
| <b>12. ADVANCED RESUSCITATION .....</b>      | <b>44</b> |
| <b>12.1 IN BRIEF.....</b>                    | <b>44</b> |
| 12.1.1 Course Details.....                   | 44        |
| 12.1.2 Selection Criteria .....              | 44        |
| 12.1.3 Course Standards .....                | 44        |



|             |  |           |
|-------------|--|-----------|
| <b>12.2</b> | <b>IN DETAIL</b> .....   | <b>44</b> |
| 12.2.1      | Course Overview .....  | 44        |
| <b>13.</b>  | <b>DIVE MEDICAL TECHNICIAN</b> .....                             | <b>45</b> |
| <b>13.1</b> | <b>IN BRIEF</b> .....  | <b>45</b> |
| 13.1.1      | Course Details .....   | 45        |
| 13.1.2      | Selection Criteria.....  | 45        |
| 13.1.3      | Course Participation .....                                       | 45        |
| 13.1.4      | ADAS DMT Certification .....                                     | 45        |
| 13.1.5      | Refresher Courses .....  | 46        |
| 13.1.6      | Course Standards .....   | 46        |
| <b>13.2</b> | <b>IN DETAIL</b> .....   | <b>46</b> |
| 13.2.1      | Course Overview .....  | 46        |
| <b>14.</b>  | <b>INTRODUCTION TO COMMERCIAL DIVING</b> .....                   | <b>48</b> |
| <b>14.1</b> | <b>IN BRIEF</b> .....  | <b>48</b> |
| 14.1.1      | Course Details.....  | 48        |
| 14.1.2      | Prerequisites .....  | 48        |
| 14.1.3      | Course Synopsis.....   | 48        |
| 14.1.4      | Subjects Covered .....   | 49        |
| 14.1.5      | Inclusions .....   | 49        |
| <b>15.</b>  | <b>MISCELLANEOUS COURSES</b> .....                               | <b>50</b> |
| <b>15.1</b> | <b>OVERVIEW</b> .....  | <b>50</b> |
| 15.1.1      | General.....   | 50        |
| 15.1.2      | Kirby Morgan Maintenance/ OPerators Course .....                 | 50        |
| 15.1.3      | Course Design .....  | 50        |
| <b>16.</b>  | <b>COURSE CALENDAR, PRICE LIST &amp; BOOKINGS</b> .....          | <b>51</b> |
| <b>16.1</b> | <b>INTRODUCTION</b> .....  | <b>51</b> |
| 16.1.1      | GST.....   | 51        |
| 16.1.2      | Course Fees.....   | 51        |
| <b>16.2</b> | <b>CALENDAR AND PRICE</b> .....                                  | <b>51</b> |
| 16.2.1      | Air Diving to 50m (Combined ADAS Part 1, 2 and 3).....           | 51        |
| 16.2.2      | Air Diving to 30m (Combined ADAS Part 1 and 2).....              | 52        |
| 16.2.3      | Occupational Scuba Diving to 30m (ADAS Part 1 only) .....        | 52        |
| 16.2.4      | RPL Occupational Scuba Diving to 30m (ADAS Part 1 RPL only)..... | 53        |
| 16.2.5      | Upgrade from Part 1 to Part 2 (ADAS Part 2 only) .....           | 53        |
| 16.2.6      | Upgrade from Part 2 to Part 3 (ADAS Part 3 only) .....           | 54        |
| 16.2.7      | Dive Medical Technician & REfresher.....                         | 54        |
| 16.2.8      | HardSuit Pilot .....   | 54        |
| 16.2.9      | ADAS Onshore Dive Supervisor.....                                | 55        |
| <b>16.3</b> | <b>BOOKINGS</b> .....  | <b>56</b> |
| 16.3.1      | General.....   | 56        |
| 16.3.2      | Booking Form .....   | 56        |
| 16.3.3      | Deposits AND PAYMENTS .....                                      | 56        |



---

|             |                                  |           |
|-------------|----------------------------------|-----------|
| 16.3.4      | Information.....                 | 56        |
| <b>17.</b>  | <b>INSTRUCTOR PROFILES .....</b> | <b>57</b> |
| <b>17.1</b> | <b>INTRODUCTION .....</b>        | <b>57</b> |
| 17.1.1      | General.....                     | 57        |
| <b>17.2</b> | <b>THE TEAM.....</b>             | <b>57</b> |
| 17.2.1      | Ian Milliner .....               | 57        |
| 17.2.2      | Dusty Miller .....               | 59        |
| 17.2.3      | Koh Kim Choon .....              | 59        |
| 17.2.4      | James Wolfe.....                 | 60        |
| 17.2.5      | Ross Gallop .....                | 60        |
| 17.2.6      | Andrew Stocks .....              | 60        |
| 17.2.7      | JP Le Roux.....                  | 61        |
| 17.2.8      | Charmaine Millar .....           | 61        |
| <b>18.</b>  | <b>BOOKING FORM .....</b>        | <b>62</b> |

---



# 1. BACKGROUND

## 1.1 THE PERFECT PLACE TO START YOUR DIVING CAREER!

### 1.1.1 KEY PERSONNEL

The Underwater Centre Fremantle Pty Ltd (TUCF) is a five-way partnership between Colin Murphy, Anthony (Dusty) Miller, Perth Diving Academy Pty Ltd (PDA), Craig Maddison and Ian Milliner. The shared backgrounds of our stakeholders give students and clients of TUCF access to a first class combination of knowledge, skills and experience necessary to start a career as a commercial diver.

a) Colin and Dusty were the founders and operators of Contract Diving Services (CDS), for 19 years one of Australia's largest and most successful diving contractors. Since the sale of CDS to American Oilfield Divers, Colin has moved on to run Allied Diving Services Pty Ltd. He is now working with Neptune Diving Services which presently undertakes both onshore and offshore subsea contracting work. Dusty is now General Manager Operations Support Services at TUCF. Both Colin and Dusty play an active role in the company as advisors, supervisors and trainers and between them have over 60 years experience in the onshore and offshore commercial diving industry.



Dusty Miller, TUCF General Manager Business Development, Senior Instructor, Dive Supervisor and shareholder

b) Perth Diving Academy offer 30 years of diver training excellence throughout Western Australia. PDA is recognised as the largest retail diving business in Australia, and their group now consists of six retail diving outlets.

c) PDA founder and TUCF Director Hugh Morrison co-authored the text International Scuba Diver, which has sold in excess of 100,000 copies in Australia, as well as a number of other diving reference books. He has personally trained the majority of the NASDS/FAUI Diving Instructors in Australia, and his diving and instructional ability is acknowledged throughout the country. As a professional educator, Hugh oversees the areas of dive instruction and commercial diver training within TUCF.



Ian Milliner, TUCF Managing Director, Senior Instructor, Dive Supervisor and shareholder

d) Ian Milliner comes to the company with eighteen years naval diving experience and eight years as the National Manager of the National Association of Scuba Diving Schools (NASDS). Since leaving the RAN, Ian has developed a reputation as one of the region's leading commercial diver trainers. He also provides advice to government and industry on the development of diving safety management systems and undertakes regular diving audits for government and industry.

e) Craig is a qualified Master Mariner Class 1 and was formally the General Manager of Adsteam Offshore, a diversified company providing marine vessels and crewing services to the Australian offshore oil and gas industry.

The company was originally formed as a consortium with the owners and operators of The Underwater Centre Fort William (Scotland) and The Underwater Centre Tasmania. The opportunity to freely exchange information, training programs and techniques, and instructional expertise and



experience with these schools provided The Underwater Centre Fremantle with an excellent base from which to build a first class occupational diving school in Fremantle. In September 1997, The Underwater Centre Fremantle Pty Ltd (TUCF) severed its formal ties with Tasmania and Fort William and now trades in its own right.

### 1.1.2 ACCREDITED TRAINING

TUCF provides nationally accredited training under the Commonwealth Government's Australian Diver Accreditation Scheme. TUCF is also ISO 9001 Accredited and a member of IMCA (International Marine Contractors Association), the worlds leading trade association for the offshore diving industry.

Since its inception in February 1996, The Underwater Centre Fremantle has serviced a large number of individual divers, as well as numerous corporate clients, both within Australia and overseas. The work completed for these customers has included the delivery of various diver training programs, supply of specialised diving equipment, consulting services, logistics support and the conduct of hyperbaric oxygen programs. Clients have included:

- |   |  |
|---|--|
| ■ Allied Diving Services Pty Ltd                                | ■ MacMahons Contractors (WA).              |
| ■ Australian Federal Police.                                    | ■ Marine & Civil.                          |
| ■ Aqualib Marine Diving Company                                 | ■ MKPM Pty Ltd.                            |
| ■ Aquenal Pty Ltd.  | ■ Murdoch University.                      |
| ■ Australian Diver Accreditation Scheme                         | ■ Mscience Pty Ltd.                        |
| ■ Australian Institute of Marine Science                        | ■ Nautronix MariPro Incorporated.          |
| ■ BHP Billiton.   | ■ Neptune Construction Services.           |
| ■ Breswater Marine Contracting BV.                              | ■ Neptune Diving Services.                 |
| ■ Brown & Root (Singapore).                                     | ■ Neptune Marine Services.                 |
| ■ Cal Dive International  | ■ Oceaneering Australia Pty Ltd.           |
| ■ Ceanic Corporation Pty Ltd.                                   | ■ Oceanic Offshore Pty Ltd.                |
| ■ Contract Diving Services Pty Ltd.                             | ■ OceanWorks International.                |
| ■ Coogee Resources Ltd.   | ■ Pacific Marine Group.                    |
| ■ Covus Corporation Pty Ltd.                                    | ■ Perth Glory Soccer Club.                 |
| ■ CSIRO.  | ■ Petrosea (Indonesia).                    |
| ■ DAL Science & Engineering Pty Ltd.                            | ■ Phoenix Offshore Pty Ltd.                |
| ■ Dempsey Australia.  | ■ Placer Dome Asia Pacific.                |
| ■ DOF Subsea.   | ■ PT. Newmont Nusa Tenggara.               |
| ■ Defence Material Organisation.                                | ■ RIO Tinto.                               |
| ■ East Fremantle Football Club.                                 | ■ Rockwater (Singapore).                   |
| ■ Fraser Diving (Australia) Pty Ltd.                            | ■ Royal Australian Airforce.               |
| ■ Fremantle Diving Centre.                                      | ■ Royal Australian Navy.                   |
| ■ Fremantle Football Club (The Dockers).                        | ■ Royal Malaysian Navy.                    |
| ■ Fremantle Hospital Hyperbaric Unit.                           | ■ Sapura Maritime (Malayasia).             |
| ■ Fremantle Port Authority.                                     | ■ Seaforce Marine Diving Services.         |
| ■ Fugro Survey Pty Ltd.   | ■ Sinclair Knight Merz.                    |
| ■ Geraldton Port Authority.                                     | ■ SMIT Subsea.                             |
| ■ Great White Shark Expeditions (Greg Norman's MY Aussierules). | ■ THIESS.                                  |
| ■ Hallin Marine Systems (Singapore & Brunei).                   | ■ Total AMS.                               |
| ■ Hamersley Iron Pty Ltd.                                       | ■ University of Western Australia.         |
| ■ Indianic Diving Services.                                     | ■ WA Department of Industry and Resources. |
| ■ Inpex Browse Ltd.   | ■ WA Maritime Museum.                      |
| ■ Integrated Subsea Services.                                   | ■ WA Museum of Natural Science.            |
|   | ■ WA Water Corporation.                    |



- IRC Environment.
- Jazz II Charters Pty Ltd.
- Kinhill Engineers Pty Ltd.
- Le Provost Dames & Moore.
- Ledges Diving Services.
- WA Water Police.
- West Coast Eagles Football Club.
- Woodside Petroleum Ltd.
- Worksafe Western Australia.

**1.1.3 PURPOSE BUILT FACILITIES**

Located in the heart of the Port of Fremantle, Western Australia, TUCF’s objective is to provide a wide range of occupational diver training and certification.

TUCF is located in purpose built diver training facilities, which include:

- a) Modern air-conditioned classrooms,
- b) Task-specific workshops,
- c) Indoor heated multi-depth training pool, and
- d) Shallow water dockside training area with specially designed work tasks,

all adjacent to office facilities at Rous Head Harbour. Other training areas include the Swan River, Port of Fremantle, Cockburn Sound, Rottnest Island and deep diving sites at Lake Stockton and Lake Kepwari in the Collie region, approximately three hours south west of Fremantle.

Most of the largest local and international employers of commercial divers in Australia are based in Perth, close to our facilities in Fremantle. This gives TUCF unsurpassed access to current industry trends, direction on industry training requirements, as well as access to the key employers for our divers on completion of their course.



TUCF training facility in Rous Head, Fremantle.



ADS Launch and Recovery Systems (LARS) at Rous Head.

**1.2 THE OCCUPATIONAL DIVING INDUSTRY**

**1.2.1 WHAT IS OCCUPATIONAL DIVING?**

Occupational diving is defined as diving performed in the course of employment, irrespective of whether diving is the principle function of employment or merely an adjunct to it. Occupational diving comprises all diving carried out as part of a business, a service, for research, or for profit. Types of occupational diving include fish farming, abalone and pearl diving, scientific diving, commercial construction diving and recreational diving instruction.



### 1.2.2 WHY DO I NEED TO DO A COURSE?

Australian Standard AS/NZS2299.1:2007 and the Petroleum Submerge Lands (Diving Safety) Regulations 2002 make it mandatory that all working divers be qualified to the appropriate standard for the type of diving operations which they will be undertaking.

Workplace health and safety legislation throughout Australia and overseas places a duty of care on employers and employees to maintain safe places of work. Regardless of the type of diving undertaken, occupational divers must be able to demonstrate their diving competency as a start point to the development of a safe workplace. This has been achieved via a standardised, competency based, occupational diver training and certification program.

### 1.2.3 WHAT COURSES DO I NEED TO DO?

Australian Standard AS2815 Parts 1, 2, 3 and 4 detail the specifics of the training required for the various types of occupational diving, except recreational diving instruction which is covered by AS4005. The Commonwealth Government's Australian Diver Accreditation Scheme (ADAS) was developed to administer diver certification in accordance with AS2815 and to supervise the accreditation and operations of diver training establishments.

| ADAS Level    | Description                                | Area     |
|---------------|--|----------|
| AS2815 Part 1 | Occupational Scuba Diving to 30 metres     | Onshore  |
| AS2815 Part 2 | Air Diving to 30 metres (Surface Supplied) |          |
| AS2815 Part 3 | Air Diving to 50 metres (Surface Supplied) | Offshore |
| AS2815 Part 4 | Bell Diving (Saturation and Mixed Gas)     |          |

TUCF provides nationally recognised training and is an accredited ADAS Diver Training Establishment (Certification Number 008). TUCF was last audited by the Commonwealth in July 2009.

To work as an onshore commercial construction diver the minimum qualifications required are ADAS Parts 1 and 2 (AS2815.1 & 2). To work as an offshore commercial construction diver the qualifications required are ADAS Parts 1, 2 and 3 (AS2815.1, 2 & 3).

Work in the aquaculture industries (fish farming) and scientific diving communities generally require as a minimum ADAS Part 1. In some circumstances ADAS Part 2 (Restricted) certification may be required.

All ADAS qualifications are recognised by the UK Government's Health and Safety Executive (HSE). [Notification 1 April 1998]

Each of the diving qualifications outlined above are detailed in Sections 3 through 5 of this information pack.

### 1.2.4 DO I NEED PRIOR EXPERIENCE?

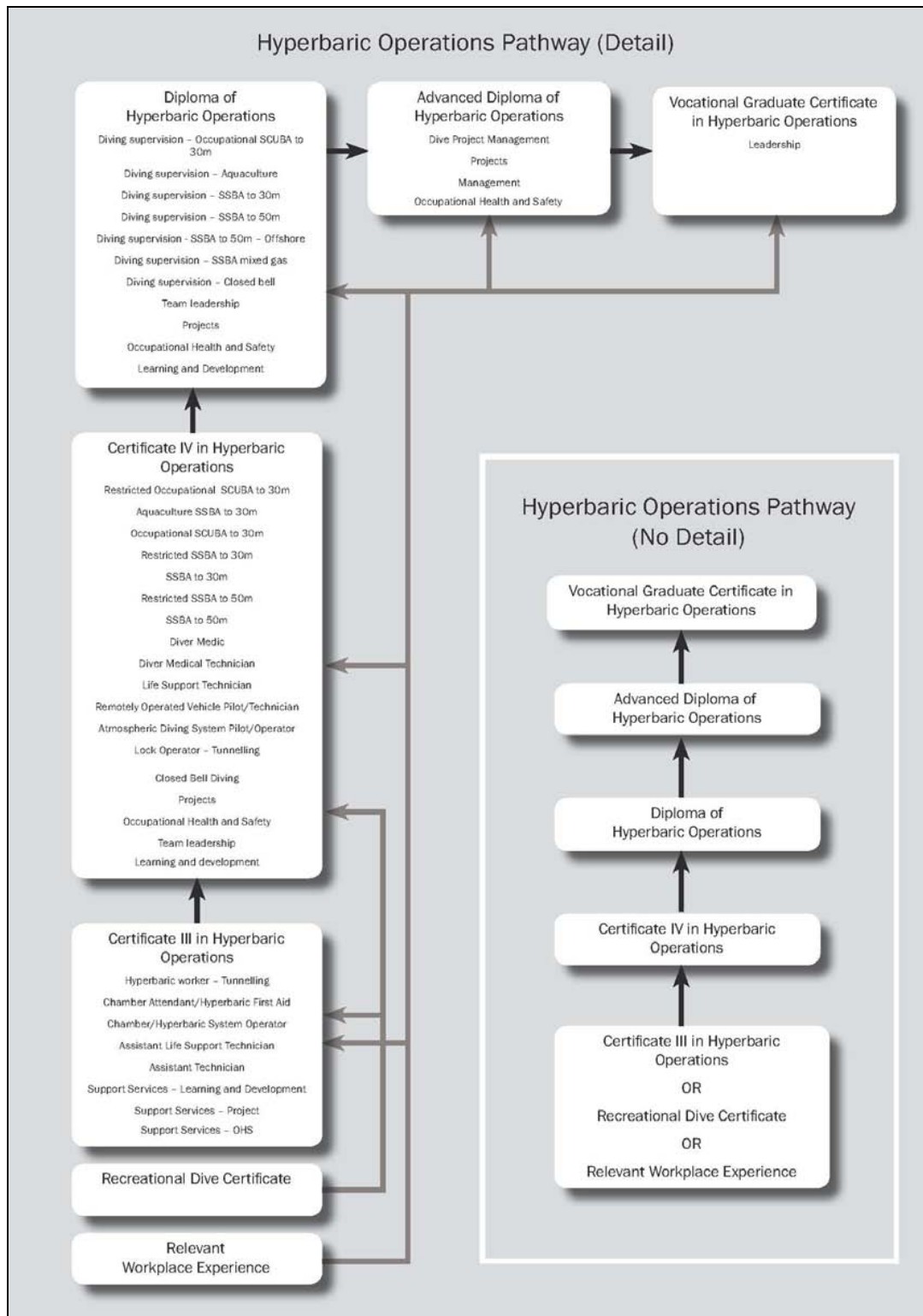
It is an advantage, and indeed a prerequisite, to have had some scuba diving experience prior to undertaking occupational diver training. Open water qualifications from NASDS, PADI, SSI, NAUI, etc. are quite acceptable. It is mandatory that any student with no previous diving experience complete a SSI open water dive course or equivalent prior to enrolling in an occupational diving program.



**1.2.5 AM I SUITABLE?**

A suitability assessment test (SAT) and familiarisation dive accompanied by a qualified instructor is available. The tests are conducted in conjunction with our “Introduction to Commercial Diving” course detailed in Section 14 of this information pack. The cost of a SAT and familiarisation dive is AUD\$540.00. AUD\$200.00 is deducted from the price of your occupational diver training should you continue with an occupational diving course and the dives undertaken are credited to your occupational course.





The ADAS Training System

### 1.2.6 WILL I GET A JOB?

As in all commercial ventures, gaining employment depends to a large extent on the individual's ability to attract a prospective employer's interest through the skill and experience he or she has to offer, plus their adaptability and availability to carry out the job, particularly at short notice.



Maintaining employment depends upon proving these attributes and becoming a dependable member of the dive team with a professional attitude to all aspects of the job.

Employment as an occupational diver is, by and large, on a casual contract basis. Availability of contracts is dependent on the onshore and offshore construction or maintenance work available for a given period. Currently, there is work available for ADAS certified divers, although it must be stressed that this is at the moment. Seasonal variations, offshore construction tasks and forces of nature (cyclones!) do influence the availability or otherwise of work. Additionally, work in the construction industry is very much dependent upon a diver's ability to successfully complete a "task" underwater. Divers with trade or practical work backgrounds tend to gain employment more readily than those without, having already demonstrated the type of skills needed for the sub-surface work being undertaken.

TUCF is the only ADAS diver training establishment in Western Australia and we have attained a worldwide reputation for our high standard of training. Many large local and international employers of commercial divers in Australia are based in Perth. TUCF has developed strong relationships and communicates regularly with each of these companies.

### 1.2.7 HOW WILL TUCF HELP ME GET A JOB?

We are constantly monitoring the employment situation and will help new graduates wherever we can to find work. Students can be provided with:

- a) Assistance to compile or update your own personal CV to further increase your chances of success in the job market. We maintain your CV on our database and will continue to upgrade copies for you for life. Once you start your career with TUCF our commitment is ongoing.
- b) The maintenance of your personal contact details on our database. Diving companies looking for potential employees regularly approach TUCF and your details can be passed on to these contractors if you are looking for work.
- c) To register your details with TUCF crewing go to: <http://tucf.osmotion.com.au/>
- d) For more diving careers information please refer to the IMCA website [www.imca-int.com/careers/members](http://www.imca-int.com/careers/members)

### 1.2.8 HOW MUCH MONEY CAN I REALISTICALLY EXPECT TO EARN?

Pay and conditions for the employment of divers in Australia is covered by the "Professional Divers' - Maritime Union of Australia Award 1992". Onshore casual pay rates start at around AUD\$250.00 per day plus allowances. Offshore rates and allowances are considerably higher than this at almost AUD\$1,300.00 per day. Work overseas is generally paid under individual contracts negotiated with employers. Daily pay rates start around US\$500.00.





Atmospheric Diving System (ADS) training at TUCF.



WA Water Police Diver Training at TUCF.

## 1.3 WHILE UNDER TRAINING

### 1.3.1 IS THERE ANY INCOME TAX RELIEF?

In some circumstances occupational diving courses are tax deductible. You must contact your accountant or tax agent for details.

### 1.3.2 IS GRANT ASSISTANCE AVAILABLE?

ADAS accredited courses have been approved by Centrelink enabling students to access Centrelink benefits while studying ADAS courses. To apply for Centrelink support while studying, students need to download an application form from the Centrelink Website:

[http://www.centrelink.gov.au/internet/internet.nsf/forms/forms\\_list\\_st.htm](http://www.centrelink.gov.au/internet/internet.nsf/forms/forms_list_st.htm)

To get Centrelink support you will need to put the following course codes on your application:

Part 1: 80929ACT Certificate IV in Hyperbaric Operations (Occupational SCUBA to 30m)

Part 2: 80931ACT Certificate IV in Hyperbaric Operations (Occupational SSBA to 30m)

Part 3: 80933ACT Certificate IV in Hyperbaric Operations (Occupational SSBA to 50m)

For Atmospheric Diving System (ADS) Courses special financing options maybe available, contact the TUCF office for details.

### 1.3.3 WHAT IMMIGRATION AND VISAS RESTRICTIONS ARE THERE?

Divers from overseas should apply for a Visitor Visa (for training purposes) from their local Australian Consulate. These Visas enable visitors to study for up to 90 days which is more than enough time to complete all three ADAS courses with TUCF. For extended stays and working Visas contact an Australian Consulate for assistance.

- a) General information on visas can be found at:

<http://www.immi.gov.au/immigration.htm>

- b) Information on student visa options can be found at:

<http://www.immi.gov.au/students/index.htm>

### **1.3.4 IS GST PAYABLE?**

Prices listed in this booklet include the Goods and Services Tax (GST) where applicable. Currently, GST is payable on:

- a) DSI Maintenance.
- b) Introduction to Commercial Diving.
- c) Shotfirer.
- d) Wet Welding.

GST is NOT payable on:

- a) All ADAS commercial diving courses.
- b) ADS courses.
- c) First Aid courses.



## 2. COURSE ADMINISTRATION

### 2.1 DAILY PROGRAM

#### 2.1.1 GENERAL

In general, with all occupational diving courses that combine the curriculum of AS2815, a six-day a week training program is undertaken. Days are generally structured in the following way:

- a) Monday 08:30 to 18:00
- b) Tuesday 08:30 to 21:00 (Night Diving)
- c) Wednesday 08:30 to 18:00
- d) Thursday 08:30 to 21:00 (Night Diving)
- e) Friday 08:30 to 18:00
- f) Saturday 09:00 to 16:00 (As required)
- g) Sunday Free

Whilst the course includes some work on Saturdays, and Tuesday or Thursday nights, these can be rearranged to suit the requirements of course participants. A detailed course program will be developed in consultation with students on the first day of the course.



Students completing pre-requisite swimming tests for ADAS Part 1 in the TUCF Pool.



TUCF instructor Koh Kim Choon assessing chamber operations as part of a Malaysian ADAS Part 3 course at TUCF in Fremantle

### 2.2 LOGISTICS

#### 2.2.1 TRAINING LOCATIONS

Training is conducted from a number of locations; our Rous Head facilities in North Fremantle and at Lake Stockton and Lake Kepwari in the Collie district three hours south-west of Perth. Diving operations in the Swan River, Cockburn Sound, Rottnest Island and the Port of Fremantle will depart from our North Fremantle facilities.

## 2.2.2 MEALS

Training conducted in the Fremantle/Perth areas will require students to provide their own meals and accommodation. Lunch throughout the courses can be purchased from local lunch bars in the Rous Head area. Fridges and microwave ovens are available within our facilities, we do not supply filtered water however tap water is readily available to students.

During diving operations at Lake Stockton and Lake Kepwari, TUCF will provide accommodation and meals. Accommodation in Collie will consist of cabins or caravans for one or two nights.

Students with special dietary requirements should notify their senior instructor at the commencement of training of their particular needs.

## 2.2.3 ACCOMMODATION

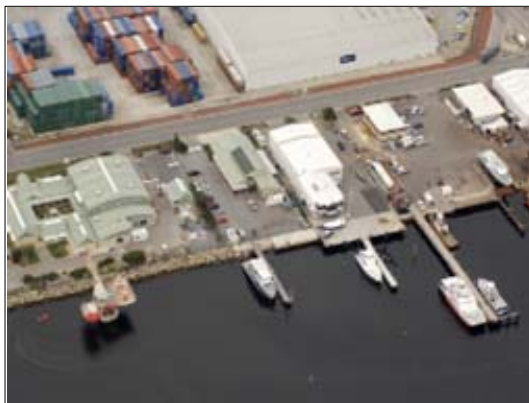
Accommodation is not provided by TUCF. It is not included in the course cost. Accommodation requirements for courses conducted at TUCF depend on the location of the training sites; the Perth/Fremantle metropolitan area (most of the course) and the Collie District.

**Perth/Fremantle** – Students not local to the Perth region should find the following websites helpful for organising accommodation:

- a) The Dedicated Fremantle Accommodation Website: Stayz Group – short to medium term rental apartments and cottages/houses in the Fremantle area.  
[http://www.fremantle.stays.com.au/areas/accommodation\\_fremantle.html](http://www.fremantle.stays.com.au/areas/accommodation_fremantle.html)
- b) Fremantle Village – caravan park and accommodation village located 15 minutes from TUCF offering short and long term accommodation for small groups or individuals.  
<http://www.fremantlevillage.com.au>
- c) Fremantle First – accommodation in Fremantle varying from camping and backpacker hostels to bed and breakfasts or hotels – Ph (08) 9430 4866  
<http://www.fremantle.org.au/en/Fremantle+Accommodation>
- d) Fremantle Visitors Centre – a range of short and long term rental options.  
<http://www.fremantlewa.com.au/accommodation.asp>
- e) Sundancer Backpackers – Ph (08) 9336 6080  
<http://www.sundancer-resort.com.au>
- f) Backpackers Inn – Ph (08) 9431 7065, 11 Pakenham St, Fremantle
- g) Old Fire Station Backpackers – Ph (08) 9340 5454  
<http://www.oldfirestation.net>
- h) Ocean Beach Backpackers – Ph (08) 9384 5111,  
[www.oceanbeachbackpackers.com](http://www.oceanbeachbackpackers.com)
- i) Railway Hotel – (08) 9335 2732, 44 Tydeman Rd Fremantle
- j) Swan Hotel – (08) 9335 27 25, 401 Queen Victoria St Fremantle



- k) Rosie O'Grady's Irish Pub – Ph (08) 9335 1645, 23 William St Fremantle  
<http://fremantle.rosieogradys.com.au>
- l) Norfolk Hotel – Ph (08) 9335 5405, 47 South Terrace Fremantle  
<http://www.norfolkhotel.com.au>
- m) Westerley Accommodation – Ph (08) 9430 4458  
<http://www.westerley.com.au>
- n) Fremantle Holiday Accommodation – Ph (08) 9335 4473  
<http://www.fremantleaccommodation.com.au>
- o) Accommodate – Ph (08) 9367 9640  
<http://www.accommodate.com.au>
- p) Number Six Properties – Ph (08) 9274 6950  
<http://www.numbersix.com.au>



Aerial view of TUCF in Rous Head Harbour



Deep diving operations in Lake Stockton, Collie

**Collie District** – Lake Stockton and Lake Kepwari, in the Collie District of south west WA, will be used for approximately two days in each course for deep diver training.

Collie has cabin/hotel accommodation as part of its supporting infrastructure. Students and instructors will be accommodated with full amenities including laundries, kitchens, hot showers and toilets.

**Note:** The cost of meals and accommodation during training phases at Lake Stockton will be provided fully by TUCF.

#### 2.2.4 TRANSPORT

Students will make their own way to the course facilities at TUCF in North Fremantle. Assistance can be given to students travelling to Collie; however, there is the expectation that some students will use their own vehicles.

#### 2.2.5 PERSONAL ITEMS

It will be necessary to bring the following personal items to the course.



**Work Clothing**

Diving operations and preparations using heavy equipment and tools require appropriate working attire. Students will be required to bring with them, on each day of the course, the following personal items:

- a) **Boots** – solid work boots are necessary to protect feet whilst working. Steel cap, non-slip boots are required.
- b) **Work clothes** – sturdy clothes such as **high visibility** overalls or “King Gee” style trousers/shirts are essential. **Long sleeves and trousers are mandatory.** Please note that work clothes must be clean and free of oils, grease, paints, etc. Working in compressed air environments and around oxygen in dirty clothes is an explosive/fire hazard.
- c) **Hat** – during the colder months a warm hat (beanie) is recommended, as is a hat for sunny days.
- d) **Jacket** – a warm waterproof jacket is essential.
- e) **Sunscreen.**
- f) **Sunglasses.**
- g) **Towel.**
- h) **Bathers.**
- i) **Small seamanship knife** is recommended but not essential – this will be discussed during the course.

Please remember that weather conditions can change quite rapidly on a dive site. It is best to be prepared.

**Diving Equipment**

All diving equipment is provided during the course. However, students may find the diving more comfortable if they provide their own personal diving equipment.

TUCF provides students commencing a full Part 1, Combined Part 1 and Part 2, or a combined Part 1, 2 and 3 course, with the following NEW diving equipment which will be theirs to keep on completion of training. This equipment includes:

- a) Wetsuit (5mm).
- b) Booties.
- c) Gloves.
- d) Weightbelt.
- e) Knife.
- f) Face Mask and Snorkel

Students should be aware it is a professional expectation that divers arrive at a workplace with, at a minimum, their own personal wetsuit and booties. In addition, many occupational divers often have their own diving harness, knife and hat-liner. All of the above items can be purchased at TUCF. **Part**



**1 RPL students and Part 2 and Part 3 students will be required to provide these items for themselves during their studies with TUCF.**

### Lake Stockton & Lake Kepwari

During the trips to the Collie area students will require, in addition to the items already outlined:

- a) Personal Toiletries.
- b) Towel.



Aerial view of Lake Kepwari near Collie.



Deep diving operations in Lake Kepwari, Collie

### Classroom

Students will require the following personal stationery items:

- a) Pens.
- b) Pencils.
- c) Erasers.
- d) Ruler.
- e) Notebook/paper.
- f) Medical dictionary – not essential.
- g) Bag for carrying books.
- h) Calculator.

## 2.2.6 DIVING MEDICALS

Any student undertaking a diving course at TUCF must have an “in date” occupational diving medical certificate. An occupational diving medical must be completed by a doctor, with appropriate training and experience in underwater medicine, within 90 days of the commencement of the course for Part 1 divers (and 12 months in date for Part 2 & 3 divers).

When making an appointment with an approved doctor please ensure you inform him or her that the medical required is an occupational diving medical in accordance with AS/NZS2299.1:2007 and AS2815 Part 1, 2 or 3. This will save confusion, as recreational diving medicals are quite different.

Occupational diving medicals are more time consuming and therefore attract a higher fee structure. You should allow a minimum of AUD\$200.00 for this medical which will include an extended

consultation with the doctor and may include long bone x-rays. This price is NOT included in the cost of your course.

Medicals can be obtained from (but are not limited to) the following medical centres:

- a) Diving Medical Centre  
135 Dunedin Street  
Mt Hawthorn WA  
Phone: +61 8 9444 8977
- b) The Travel Doctor  
85 South St corner Solomon St  
Fremantle WA  
Phone: +61 8 9 336 6630
- c) CBD West Medical Centre & Corporate Health  
1st Floor 847 Hay Street  
Perth WA  
Phone: +61 8 9486 4556

An additional list of approved doctors throughout Australia and the UK can be supplied upon request. These websites are also useful for identifying doctors in your area:

- a) SPUMS Doctors: <http://www.spums.org.au>
- b) UK HSE Doctors: <http://www.hse.gov.uk/diving/medical/amed1.htm>

### 2.2.7 ENGLISH LANGUAGE

Students with English as a second language will need to have an advanced understanding of written and verbal English. Any student with doubts about commencing training is more than welcome to visit the centre and to talk to one of our instructors regarding the language implications of occupational diver training.

### 2.2.8 LIABILITY RELEASE

Occupational diving is a risk inherent activity. There is a clear requirement under the Fair Trading Act (WA), the Trade Practices Act 1974 (C'th) and Occupational Health Safety Acts to provide a safe working and learning environment. TUCF has an obligatory duty of care to do so.

However, like other training institutions in similar risk inherent environments, we will ask students to sign a "Course Participation, Express Assumption of Risk, Liability Release and Indemnity Agreement." A copy of the agreement will be forwarded to you for your consideration prior to the course. In addition to the liability and indemnity release, the agreement clearly defines the potential hazards of occupational diving, the limitations of the training provided by TUCF, and what is included in the course. If you have any problems with this form please do not hesitate to call.

### 2.2.9 COURSE FEES

A 15% deposit is required to confirm a course booking. The balance of all course fees will need to be paid in full by or on the first day of the course. If you are completing a combined Part 1, 2 and 3, payments can be made at the start of each four week course.

**PLEASE NOTE:** that your deposit is *non refundable* and *non transferrable* unless you have a medical reason or in other certain exceptional circumstances. If you cannot commence the course please give us as much notice as possible to avoid further administration charges.



Once you book onto a course that is the course you must undertake or risk forfeiting your deposit.

As of 2011 a 15% deposit is required to confirm a course booking. 35% of the fees are due 30 days before the course commencement and the remaining 50% is due on the first day of the course.

### 2.2.10 PERSONAL MEDICAL EXPENSES

Students are responsible for their own medical expenses if they are injured or become ill for any reason during the duration of a course.

It is expected that overseas students will ensure their travel insurance covers any accident or health issue which may arise whilst in Australia. Local students must have a current Medicare card and/or relevant private health insurance.

In the event of an accident or ill health, students will be expected to contact their regular family medical practitioner. Overseas students and those students without a regular medical practitioner will be given the contact details for medical clinics within the nearby geographical area.

In the event of an emergency or diving related event, TUCF will facilitate urgent medical support through Fremantle hospital.



The last day of training. A recent Part 3 course at TUCF.



Divers under training on the Swan River, Fremantle.

### 2.2.11 MEETING THE STAFF

TUCF takes pride in the standard of occupational diver it produces. TUCF's team of instructors have a vast repertoire of experience in civil engineering, construction and inspection, salvage and recovery, military clearance diving and mixed gas diving. Our instructors are knowledgeable about and experienced in the Australian and international diving industries. They all hold ADAS certifications and a variety of related qualifications.

Although the financial commitment involved in diver training is considerable, TUCF is continually striving to keep costs to an absolute minimum whilst still ensuring students are offered the best possible training.

This is a very important step for you to take. If you are still undecided please feel free to call our staff at TUCF who will be pleased to discuss with you any part of the training in further detail or to answer any specific questions you may have. You are also invited to inspect our facilities and meet the staff. Appointments are essential. We look forward to hearing from you.

### 2.2.12 FURTHER INFORMATION

For further information about TUCF, the courses we offer or occupational diving in general, please:



- a) Visit our website at <http://www.tucf.com.au>
- b) Telephone us on +61 8 9336 3343 or
- c) Contact the Training Administrator via [cmillar@tucf.com.au](mailto:cmillar@tucf.com.au)



## 3. OCCUPATIONAL SCUBA AIR (ADAS PART 1)

### 3.1 IN BRIEF

#### 3.1.1 COURSE DETAILS

|                        |   |
|------------------------|---|
| <b>Reference</b>       | See calendar in Section 16 of this information pack   |
| <b>Dates</b>           | See calendar in Section 16 of this information pack   |
| <b>Duration</b>        | 4 weeks   |
| <b>Location</b>        | TUCF, 8 Rous Head Road North Fremantle WA 6159  |
| <b>Student Numbers</b> | Minimum Number 5<br>Maximum Number 12   |
| <b>Price</b>           | AUD\$6,600.00 (see Section 16 for additional price savings)   |
| <b>Deposit</b>         | A deposit of AUD\$990.00 is required to confirm a position on this course.  |
| <b>Inclusions</b>      | Price includes wetsuit and snorkelling gear (yours to keep <sup>1</sup> ), text books, all diving equipment for the duration of the course, two nights meals and accommodation (Collie), and all certification fees (ADAS fees are AUD\$300.00, Advanced Resuscitation Certificate \$135.00). |

#### 3.1.2 SELECTION CRITERIA

In accordance with AS2815.1 and AS/NZS2299.1:2007;

- a) Hold a valid certificate of medical fitness to dive, within 90 days of course commencement.
- b) Be at least 18 years of age.
- c) Be a competent swimmer.
- d) Hold a recognised certificate of recreational diving competence (i.e. Open Water Diver).
- e) Be able to add, subtract, multiply and divide whole numbers, decimals and fractions, and calculate percentages and be able to solve simple formulas (e.g. gas laws)
- f) Understand written and verbal communications and be able to communicate with other persons in English.
- g) Hold a Nationally Accredited certificate of Senior First Aid completed within the last 12 months. (National Competence Unit Number HLTA301B)
- h) Be able to provide Photo Identification (i.e. drivers licence or passport)

<sup>1</sup> Not included for RPL & RFT students



**3.2 IN DETAIL**

**3.2.1 COURSE SYNOPSIS**

The course covers activities and competencies required for the training and accreditation of divers who are required to work safely and competently using scuba to depths of 30 metres in accordance with AS/NZS2299.1:2007.

**3.2.2 COURSE OVERVIEW**

The occupational scuba diving qualification to 30 metres is the first level of accreditation as a commercial diver and is ideally suited to marine archaeologists, research divers, media, aquaculture divers and inspection engineers.

The qualification limits the diver to using small hand tools or conducting inspections in no decompression dives with direct access to the surface. The diver cannot operate large surface controlled power tools, or dive in operations where the use of cranes, air lifts or winches is required.



ADAS Part 1 SCUBA Training at TUCF



ADAS Part 1 divers complete emergency accident management training at Lake Stockton, Collie.

**3.2.3 COURSE STANDARDS**

The course meets the requirements of;

- a) ADAS Part 1 - Air Diving with Scuba.
- b) AS2815.1 - Scuba Diving to 30 metres.
- c) HSE Part IV - Scuba Diving to 30 metres.
- d) Certificate IV in Occupational Diving (Scuba Underwater Work to 30 metres). National Qualification Code 80431ACT.

**3.2.4 SUBJECTS COVERED**

Physics of diving, inspection and maintenance of personal equipment, pre and post dive checks, open water dives in SCUBA, diving hazards, application of decompression tables, diving attendant duties, standby divers duties, seamanship, hand and voice communication, underwater work, compressed air supply, compression chambers, emergencies, physiology, first aid, AS/NZS2299, legislation and guidance.



## 4. AIR DIVING TO 30 METRES (ADAS PART 2)

### 4.1 IN BRIEF

#### 4.1.1 COURSE DETAILS

|                        |  |
|------------------------|--|
| <b>Reference</b>       | See calendar in Section 16 of this information pack  |
| <b>Dates</b>           | See calendar in Section 16 of this information pack  |
| <b>Duration</b>        | 4 weeks  |
| <b>Location</b>        | TUCF, 8 Rous Head Road North Fremantle WA 6159   |
| <b>Student Numbers</b> | Minimum Number 5<br>Maximum Number 12  |
| <b>Price</b>           | AUD\$6,900.00 (see Section 16 for additional price savings)  |
| <b>Deposit</b>         | A deposit of AUD\$1035.00 is required to confirm a position on this course.  |
| <b>Inclusions</b>      | Price includes text books, all diving equipment for the duration of the course, two nights meals and accommodation (Collie), and all certification fees (ADAS fees are AUD\$300.00). |

#### 4.1.2 SELECTION CRITERIA

In accordance with AS2815.2 and AS/NZS2299.1:2007;

- Hold a valid certificate of medical fitness to dive within 12 months of course commencement.
- Hold a recognised certificate of diving competence i.e. AS2815.1.
- Hold a certificate of Senior First Aid and Advanced Resus/O2 Provider.
- Be able to provide Photo Identification (i.e. Drivers Licence or Passport)

### 4.2 IN DETAIL

#### 4.2.1 COURSE SYNOPSIS

The course covers activities and competencies required for the training and accreditation of divers who are required to work safely and competently using surface supplied breathing equipment to depths of 30 metres in accordance with AS/NZS2299.1:2007.

#### 4.2.2 COURSE OVERVIEW

The onshore commercial air diving qualification to 30 metres is a progressive step from AS 2815.1 (Occupational Scuba Diver) and includes the use of surface supported breathing apparatus. This



significantly increases the diver’s ability to operate under working situations. It includes the use of welding and cutting equipment, pneumatic and hydraulic tools, salvage equipment, air and water dredging equipment, construction tools and other work related subjects to meet on shore diving industry requirements.

**4.2.3 COURSE STANDARDS**

The course meets the requirements of;

- a) ADAS Part 2 - Air Diving.
- b) AS2815.2 - Air Diving to 30 metres.
- c) HSE Part III - Air Diving to 30 metres.
- d) Certificate IV in Occupational Diving (Advanced Underwater Work to 30 metres). National Qualification Code 80433ACT.



*ADAS Part 2 SSBA Training at TUCF*



*ADAS Part 2 divers complete tools training*

**4.2.4 SUBJECTS COVERED**

Physics of diving, inspection and maintenance of personal equipment, pre and post dive checks, open water dives in scuba and SSBA equipment, diving hazards, application of decompression tables, diving attendant duties, standby divers duties, surface team member duties, seamanship, small boat handling, hand and voice communication. Underwater work including lifting, search schemes, inspection and measurement techniques, underwater surveys, hand tools, power tools, explosive powered tools, hydraulic tools, waterjet and airlift, thermal cutting techniques, underwater welding, maintenance of underwater tools, explosives use underwater, compressed air supply, diving panels, gas cylinder filling, safety precautions, compression chambers, chamber dive, understanding of therapeutic decompression tables, physiology, first aid, AS/NZS2299.1:2007, legislation and guidance.



## 5. AIR DIVING TO 50 METRES (ADAS PART 3)

### 5.1 IN BRIEF

#### 5.1.1 COURSE DETAILS

|                        |   |
|------------------------|---|
| <b>Reference</b>       | See calendar in Section 16 of this information pack   |
| <b>Dates</b>           | See calendar in Section 16 of this information pack   |
| <b>Duration</b>        | 4 weeks   |
| <b>Location</b>        | TUCF, 8 Rous Head Road North Fremantle WA 6159  |
| <b>Student Numbers</b> | Minimum Number 6<br>Maximum Number 12   |
| <b>Price</b>           | AUD\$6,950.00 (see Section 16 for additional price savings)   |
| <b>Deposit</b>         | A deposit of AUD\$1045.00 is required to confirm a position on this course.   |
| <b>Inclusions</b>      | Price includes text books, all diving equipment for the duration of the course, and all certification fees (ADAS fees are AUD\$300.00). |

#### 5.1.2 SELECTION CRITERIA

In accordance with AS2815.3 and AS/NZS2299.1:2007;

- Hold a valid certificate of medical fitness to dive within 12 months of course commencement.
- Hold a recognised certificate of diving competence i.e. AS2815.2.
- Hold a certificate of Senior First Aid and Advanced Resus/O2 Provider.
- Be able to provide Photo Identification (i.e. drivers licence or passport)

### 5.2 IN DETAIL

#### 5.2.1 COURSE SYNOPSIS

The offshore commercial air diver qualification (AS 2815.3) is the most advanced of the commercial air diving qualifications and enables the diver to work in the offshore diving industry to a maximum of 50 metres using all underwater tools, air breathing apparatus and techniques including the use of wet bells, surface decompression with oxygen and compression chambers.

#### 5.2.2 COURSE OVERVIEW

The offshore commercial air diving qualification to 50 metres is a progressive step from AS 2815.2 and includes the use of surface supported breathing apparatus and significantly increases the



diver's ability to operate under working situations including the use of wet bells, deck decompression chambers and other work related subjects to meet offshore diving industry requirements.

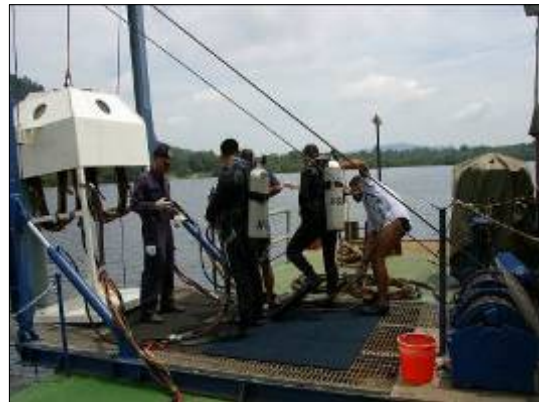
**5.2.3 COURSE STANDARDS**

The course meets the requirements of:

- a) ADAS Part 3 - Air Diving.
- b) AS2815.3 - Air Diving to 50 metres.
- c) HSE Part 1 - Air Diving to 50 metres.
- d) Certificate IV in Occupational Diving (Advanced Underwater Work to 50 metres). National Qualification Code 80435ACT.



*ADAS Mixed Gas diver training, conducted by TUCF for the Royal Malaysian Navy (RMN)*



*ADAS Part 3 diver training including wet bell diving, conducted by TUCF for the Royal Malaysian Navy (RMN).*

**5.2.4 SUBJECTS COVERED**

Physics of diving, inspection and maintenance of personal equipment, pre and post dive checks, hazards, application of decompression tables, diving attendant duties, stand by divers duties, surface team member duties, seamanship, small boat handling, hand and voice communication, underwater work, compressed air supply, diving panels, gas cylinder filling, safety precautions, compression chambers, principals of closed and semi closed circuit breathing apparatus, use of surface decompression, operation of surface supply panel, preparation of two compartment compression chamber, operation of a compression chamber, wet bell, hot water suits, diving medicine, understanding of therapeutic decompression tables, physiology, first aid, AS/NZS2299.1:2007, legislation and guidance.



## 6. ADAS PART 1, 2 AND 3 RFT/RPL

### 6.1 IN BRIEF

#### 6.1.1 COURSE SYNOPSIS

Recognition of Formal Training (RFT) and Recognition of Prior Learning, are avenues to Australian Diver Accreditation Scheme (ADAS) certification for those divers applying for recognition, based on previous experience and or formal occupation diver training. The system enables those with credentials not recognised by ADAS but with adequate experience or prior training, to become part of the system by proving their suitability in accordance with a standard format.

#### 6.1.2 SELECTION CRITERIA

The diver seeking recognition for prior learning will have to prove, by presentation of correctly documented original logbooks to The Underwater Centre Fremantle, that they have logged sufficient time at the required depths for the qualification they are applying for. It should be noted that this is double the times as laid down in the AS2815 series, and in the ADAS-DTS which are minimum times and refer to trainees and not “experienced” divers. Presentation of the applicant’s logbook should be at least a month prior, so as to enable The Underwater Centre Fremantle sufficient time to properly assess its contents. The times (in minutes) are listed below.

| DEPTHS       | PART 1      |              | PART 2      |              | PART 3      |              |
|--------------|-------------|--------------|-------------|--------------|-------------|--------------|
|              | Dives (No.) | Times (mins) | Dives (No.) | Times (mins) | Dives (No.) | Times (mins) |
| 0-9          | 18          | 780          | 24          | 1380         | 2           | 60           |
| 10-19        | 12          | 330          | 12          | 330          | 10          | 65           |
| 20-29        | 12          | 210          | 12          | 210          | 2           | 40           |
| 30-39        | -           | -            | -           | -            | 6           | 120          |
| 40-50        | -           | -            | -           | -            | 4           | 60           |
| Plus Part 1  | -           | -            | 42          | 1320         | 42          | 1320         |
| Plus Part 2  | -           | -            | -           | -            | 48          | 1920         |
| <b>TOTAL</b> | <b>42</b>   | <b>1320</b>  | <b>90</b>   | <b>3240</b>  | <b>114</b>  | <b>3585</b>  |

Recreational Divemasters and Instructors can have their prior training and certification accepted for access to an RPL assessment. Selection Criteria for each course will still need to be met. This includes a recreational diving qualification, commercial diving medical and First Aid Certificate. See Section 3.1, 4.1 and 5.1 for full details.

### 6.2 IN DETAIL

#### 6.2.1 OUTLINE OF PROGRAM

Once the candidate has proved sufficient logged experience, they will then be required to sit a written theoretical examination. This exam will be equivalent to the final examination of a course at the same level as their application (i.e. applications for a Part 2 certificate will be expected to pass



the same examination and at the same standard as a diver who is attending a Part 2 course at TUCF).

Having passed the theory examination the candidate will also be expected to then pass a formal assessment under an approved Instructor. This will be a documented assessment of the diver's actual ability to use the equipment both safely and efficiently, it is not to be considered as a general training exercise, and there is a required level of competence to be attained. Such practical assessments cannot be achieved in one session and several days will be required so that a full and correct assessment can be made.

### **6.2.2 RFT**

Recognition of formal training (RFT) is similar to RPL with the additional requirement that students must have had formal training prior to being accepted for the assessment. Formal training in Australia may have come from sources such as the police or military. Some overseas courses will also qualify.

### **6.2.3 DATES**

Part 1, 2 and 3 RPL/RFTs will be conducted in conjunction with our standard course program (RPL/RFTs piggy-back onto Part 1, 2 and 3 courses).

### **6.2.4 PRICE AND DURATION**

- a) Part 1 RPL (two weeks); AUD\$4,500.00
- b) Part 1 RPL (one week); AUD\$5,250.00
- c) Part 2 RPL (two weeks); AUD\$5000.00
- d) Part 3 RPL (two weeks); AUD\$5000.00
- e) Combined Part 1 RPL and 2 RPL (four weeks); AUD\$9,500.00
- f) Part 1 RFT (three days); AUD\$3,250.00
- g) Part 2 RFT (six days); AUD\$3,500.00
- h) Part 3 RFT (five days); AUD\$3,000.00



## 7. ADAS PART 2 (RESTRICTED)

### 7.1 IN BRIEF

#### 7.1.1 COURSE DETAILS

|                        |  |
|------------------------|--|
| <b>Reference</b>       | See calendar in Section 16 of this information pack  |
| <b>Dates</b>           | See calendar in Section 16 of this information pack<br><br>Courses can also be conducted in conjunction with our standard Part 2 program.  |
| <b>Duration</b>        | 12 Days  |
| <b>Location</b>        | TUCF, 8 Rous Head Road North Fremantle WA 6159   |
| <b>Student Numbers</b> | Minimum Number 5<br>Maximum Number 10  |
| <b>Price</b>           | AUD\$5,250.00  |
| <b>Deposit</b>         | A deposit of AUD\$790.00 is required to confirm a position on this course.   |
| <b>Inclusions</b>      | Price includes text books, all diving equipment for the duration of the course, two nights meals and accommodation (Collie), and all certification fees (ADAS fees are AUD\$300.00). |

#### 7.1.2 SELECTION CRITERIA

In accordance with AS2815.2 and AS/NZS2299.1:2007;

- Hold a valid certificate of medical fitness to dive.
- Hold a recognised certificate of diving competence i.e. AS2815.1. e.g ADAS Part 1
- Hold a certificate of Senior First Aid and Advanced Resus/O2 Provider.
- Be able to provide Photo Identification (i.e. drivers licence or passport)

### 7.2 IN DETAIL

#### 7.2.1 COURSE SYNOPSIS

The course covers activities and competencies required for the training and accreditation of divers who are required to work safely and competently using surface supplied breathing equipment to depths of 30 metres in accordance with AS/NZS2299.1:2007. It does not include the use of power tools and is ideally suited to the scientific and aquaculture diver



**7.2.2 COURSE OVERVIEW**

The onshore commercial air diving qualification to 30 metres [Restricted] is a progressive step from AS 2815.1 (Occupational Scuba Diver) and includes the use of surface supported breathing apparatus and significantly increases the diver’s ability to operate under working situations.

**7.2.3 COURSE STANDARDS**

The course meets the requirements of;

- a) ADAS Part 2R - Air Diving.
- b) AS2815.2 - Air Diving to 30 metres.
- c) HSE Part III - Air Diving to 30 metres.
- d) Certificate IV in Occupational Diving (Surface Supplied and Scuba Work to 30 metres). National Qualification Code 80432ACT.



*ADAS Part 2 Diver training at Lake Kepwari*



*ADAS Part 2 divers completing training at Lake Stockton.*

**7.2.4 SUBJECTS COVERED**

Physics of diving, inspection and maintenance of personal equipment, pre and post dive checks, open water dives in scuba and SSBA equipment, diving hazards, application of decompression tables, diving attendant duties, stand by divers duties, surface team member duties, seamanship, small boat handling, hand and voice communication, underwater work, lifting, search schemes, inspection and measurement techniques, underwater surveys, compressed air supply, diving panels, gas cylinder filling, safety precautions, compression chambers, chamber dive, understanding of therapeutic decompression tables, physiology, first aid, AS/NZS2299.1:2007, legislation and guidance.



## 8. CHAMBER OPERATOR

### 8.1 IN BRIEF

#### 8.1.1 COURSE DETAILS

|                        |  |
|------------------------|--|
| <b>Reference</b>       | On application   |
| <b>Dates</b>           | On application   |
| <b>Duration</b>        | 6 Days for qualified ADAS Part 1 divers or above.<br>9 Days for non divers.                          |
| <b>Location</b>        | TUCF, 8 Rous Head Road North Fremantle WA 6159   |
| <b>Student Numbers</b> | Minimum Number 3<br>Maximum Number 6   |
| <b>Price</b>           | AUD\$3,750.00 for qualified divers.<br>AUD\$4,300.00 for non-divers.                                 |
| <b>Deposit</b>         | A deposit of AUD\$645.00 is required to confirm a position on this course.                           |
| <b>Inclusions</b>      | Price includes text books, all equipment for the duration of the course, and all certification fees. |

#### 8.1.2 SELECTION CRITERIA

In accordance with AS2815.1 and AS/NZS2299.1:2007;

**Non Divers** (i.e. does not hold an ADAS Part 1 qualification or higher)

- Hold a valid certificate of medical fitness to dive.
- Be at least 18 years of age.
- Hold a certificate of Senior First Aid (HLTA301B).
- Hold a current O2 Provider /Advanced Resus. certificate.

**Divers**

- Holds a current ADAS Part 1 certificate or higher.
- Hold a valid certificate of medical fitness to dive.
- Hold a certificate of senior first aid (HLTA301B).
- Hold a current O2 Provider /Advanced Resus. certificate



**8.1.3 COURSE SYNOPSIS**

The Chamber Operator course is a stand-alone program for divers or non-divers. However, it is normally incorporated in the ADAS Part 3 course. The program includes the operation and maintenance of decompression chambers.

**8.2 IN DETAIL**

**8.2.1 COURSE STANDARDS**

The course meets the requirements of the Australian Diver Accreditation Scheme (ADAS)(perform compression chamber operations). National Qualification Code SFIDIVE306.

**8.2.2 SUBJECTS COVERED**

**Divers**

Duties of chamber personnel, chambers design types, features, plumbing, standards, fire suppression and operating parameters. Medical kits, BIB's systems, oxygen cleaning and fire risks. Gas supplies, compressors and filtration.

Chamber operations, venting, chamber abort, rapid decompression. Maintaining depths and flushing. Setting descent and ascent rate. Prep chamber (use of checklist), chamber shutdown (checklist). Transfer under pressure. Use of medical lock. Run chamber shut down.

Run SUR-D drills and therapeutic treatment tables. Contra indications of treatment and possible complications.

**Non Divers**

In addition to the above, non-divers will also cover; Boyle's Law and how it applies to barotrauma of descent & barotrauma of ascent. Henry's Law and how it applies to decompression sickness. Dalton's Law and how it applies to gas toxicity CO, CO<sub>2</sub>, O<sub>2</sub>, N<sub>2</sub>. Charles' Law and how it applies to hypothermia, hyperthermia. Related topics dysbaric osteonecrosis, legislation, and standard air decompression tables.



Surface decompression at Rottnest Island.



Surface decompression at Rottnest Island.



## 9. DIVE SUPERVISOR

### 9.1 IN BRIEF

#### 9.1.1 COURSE DETAILS

|                        |  |
|------------------------|--|
| <b>Reference</b>       | See calendar in Section 16 of this information pack  |
| <b>Dates</b>           | See calendar in Section 16 of this information pack  |
| <b>Duration</b>        | 1 week Practical, 1 week theory  |
| <b>Location</b>        | TUCF, 8 Rous Head Road North Fremantle WA 6159   |
| <b>Student Numbers</b> | Minimum Number 4<br>Maximum Number 8   |
| <b>Price</b>           | AUD\$2,750.00  |
| <b>Deposit</b>         | A deposit of AUD\$415.00 is required to confirm a position on this course.   |
| <b>Inclusions</b>      | Price includes text books, all diving equipment for the durations of the course, and all certification fees (ADAS fees are AUD\$250.00). |

#### 9.1.2 SELECTION CRITERIA

In accordance with ADAS and AS/NZS2299.1:2007;

- a) Hold a valid certificate of medical fitness to dive in accordance with AS2299.
- b) Recognised certificate of diving competence ADAS Part 1, 2 or 3.
- c) Certificate of Senior First Aid and O2 provider/Advanced Resus.
- d) Be at least 21 years of age.
- e) Have diving experience relevant to the part you are applying for. Claims to such experience must be supported with a portfolio of certified and/or formally logged supporting evidence.(i.e Log Book). Copies must be provided.
  - (i) ADAS Part 1 Supervisor: 100 logged SCUBA dives and 100 hours bottom time gained over at least 12 months.
  - (ii) ADAS Part 2 Supervisor: SSBA to 30m, 200 logged SSBA dives and 200 hours logged bottom time during occupational dives that range on SSBA dives including zero and limited visibility, salt and fresh water, current and varied sea states across a broad range of depths to 30 metres gained over at least 2 years .There should be up to 30 dives and 30 hours of logged bottom time of SCUBA included in the 200 logged dives and time.
  - (iii) ADAS Part 3 Supervisor: SSBA to 50m, 200 logged dives and 200 hours logged bottom time during occupational SSBA dives that include a broad range of high complexity dives involving decompression diving, deep diving (in the range 30 to 50m), dives



involving compression chambers and additional specialist equipment such as hot water suits and ancillary service equipment gained over at least two (2) years.

- f) Provide a signed letter of suitability for training as a Dive Supervisor by a recognised diving employer, on company letterhead, stating that they are able to demonstrate sufficient maturity, leadership, and management skills. This letter should also verify that the candidate has experience over a range diving operations i.e. panel operations, air testing, log keeping, stand by diver, compressor operations and maintenance.

## **9.2 IN DETAIL**

### **9.2.1 COURSE SYNOPSIS**

The course covers activities and competencies required for the training and accreditation of dive supervisors who are required to supervise diving work safely and competently using either scuba to 30 metres, or surface supplied breathing equipment to depths of 50 metres, in accordance with AS/NZS2299.1:2007.

It is designed to meet the requirements of the ADAS onshore dive supervisor qualification and is part of the training process for gaining offshore supervisor status under the PSL (Diving Safety) Regulations 2002.



*TUCF Supervisor Allen Wallace supervising divers on a Part 2 course.*



*TUCF Senior Instructor and Managing Director, Ian Milliner, teaching students from the Royal Malaysian Navy, March 2005.*

### **9.2.2 COURSE OVERVIEW**

The training and assessment course concentrates on revising the theory, background knowledge and practical skills of on-site diving supervision. It pays special attention to the fundamental responsibilities of a supervisor under Australian OH&S law, particularly hazard identification and risk assessment, and the management of diving emergencies.

### **9.2.3 COURSE STANDARDS**

The course meets the requirements of:

- a) ADAS Part 1, 2 or 3 – Diving Supervisor (As appropriate).
- b) Diploma in Occupational Diving (Dive Supervisor - Advanced Underwater Work to 50 metres). National Qualification Code 80433ACT.



- c) Diploma in Occupational Diving (Dive Supervisor - Advanced Underwater Work to 30 metres).  
National Qualification Code 80441ACT.
- d) Diploma in Occupational Diving (Dive Supervisor - Scuba Underwater Work to 30 metres).  
National Qualification Code 80352ACT.



# 10. HARDSUITS

## 10.1 IN BRIEF

### 10.1.1 COURSE DETAILS

|                        |   |
|------------------------|---|
| <b>Reference</b>       | N/A   |
| <b>Dates</b>           | Please be advised this course has no upcoming dates as of 15JAN10   |
| <b>Duration</b>        | 5 weeks   |
| <b>Location</b>        | TUCF, 8 Rous Head Road North Fremantle WA 6159  |
| <b>Student Numbers</b> | Minimum Number 5<br>Maximum Number 10   |
| <b>Price</b>           | AUD\$25,000.00  |
| <b>Deposit</b>         | A deposit of AUD\$2,500.00 is required to confirm a position on this course.  |
| <b>Inclusions</b>      | Price includes text books, all hire of equipment for the durations of the course, and all certification fees (ADAS fees are AUD\$250.00). |

### 10.1.2 SELECTION CRITERIA

In accordance with ADAS;

- a) Demonstrate psychological fitness for the position, through aptitude testing.
- b) Being of a physical stature that fits within the sizing criteria for the ADS. (see physical requirements below)
- c) Hold a valid certificate of medical fitness to dive.
- d) Certificate of senior first aid.

## 10.2 IN DETAIL

### 10.2.1 PREREQUISITE SKILLS

**Superintendent** – Senior officer; ship & sub sea operations; diving; ROV; salvage and related experience or,

**Supervisor** – Officer; ship & sub sea operations; diving; ROV; salvage and related experience or,

**Senior Pilot** – Typically selected from best in class after training. Ship & sub sea operations; diver qualified; ROV experience; technical background preferred or,

**Pilot** - Ship & sub sea operations; diver qualified; ROV experience; technical background preferred or,



**Electrical/electronics Technician** – Formal electrical power and electronics, marine experience preferred or,

**Mechanical/hydraulics Technician** – Formal hydraulic systems, engines and mechanical systems; marine experience preferred.

### 10.2.2 PHYSICAL REQUIREMENTS

Pilots to be recreational diving qualified with medical fitness in accordance with TUCF rules (see above)

Pilot size range:

- a) Height Range – 157 to 201 cm
- b) Reach Range – 64.8 to 72.4 cm
- c) Weight Range – 70 to 91 kg



Atmospheric Dive System (ADS) training at TUCF.



Atmospheric Dive System (ADS) training at TUCF.

### 10.2.3 COURSE SYNOPSIS

Combined Supervisor/Pilot/Technician Course: 30 day duration; 6 pilots, 2 supervisors, 4 technicians. Pilots receive approximately 20 hours of flying time each. Combined classroom and pool side training. All receive technical training. All receive basic operational training. Technicians receive detail training on all systems. Formal written and practical exam.

### 10.2.4 TECHNICIAN COURSE

For 4 to 6 pre-qualified technicians. 5 day duration. Detailed repair, maintenance and trouble shooting on all systems. Formal written and practical exam.

### 10.2.5 PILOT COURSE

For existing clients with supervisors and technicians wishing to qualify new pilots: 20 day duration for 5 pilots. Customer provides supervisor and technicians. Focus on piloting skills.

### 10.2.6 OTHER COURSE OPTIONS

LARS Operator/Technician; Project Planning; Rigging and Deployment; Specialty Tools and Systems; Short Introductory Course.

At the conclusion of the course the instructor provides an evaluation of each student's abilities identifying strengths, weaknesses, and recommended areas of improvement. A certificate is presented to each student qualifying them as a ADS pilot, this is presented upon successful completion of the course

### **10.2.7 COURSE OVERVIEW**

Supervisors become familiar with operational capabilities, safety protocols, pre and post dive formalities, pilot limitations, task set up and overall operational detail. 1 or 2 dives to train them in suit function.

Pilots become familiar with operational capability, safety protocols, pre and post dive formalities and technical features. In water dive time approximately 20 hours per man.

Technicians become familiar with overall performance requirements, safety concerns, pre and post dive formalities and detailed maintenance and repair procedures.

**Classroom Theory and Instruction:** Theory covers top level understanding relevant to the physical operations of the Hardsuit and the understanding of resources available to assist in Hardsuit understanding. An extrapolation of information is conducted during the class by the instructor. All technical information can be found within the hardcopy manuals which are followed during the in class modules.

**Practical Training:** During the practical dive sessions the pilot trainee is expected to perform a number of tasks that reflect situations and operations that may be encountered in the field. Pilots require approximately 20 hours to learn basic skills and become proficient with suit life support and flying functions to allow them to focus on the work tasks.

Students are introduced to the tooling with emphasis on job preparation, planning, and tool modification required for use with the ADS.

Examples of typical tasks which will be completed by students are; sizing up and buoyancy set up, overall operating procedures in water exercise, emergency procedures in water exercise, flying in and around structures, Giving set of life support system readings while hovering, thru-water communications protocols and many more.

### **10.2.8 COURSE STANDARDS**

The course meets the requirements of Australian Diving Accreditation Scheme (pending approval)



# 11. SENIOR FIRST AID - FLEXIBLE

## 11.1 IN BRIEF

### 11.1.1 COURSE DETAILS

#### Reference

|                        |   |
|------------------------|---|
| <b>Dates</b>           | Contact Training Administrator for further details  |
| <b>Duration</b>        | Prior completion of First Aid Workbook and 8 hours practical training   |
| <b>Location</b>        | TUCF  |
| <b>Student Numbers</b> | Minimum Number 6<br>Maximum Number 16   |
| <b>Price</b>           | Full Course – AUD\$175.00   |
| <b>Deposit</b>         | A deposit of AUD\$50.00 deposit is required 7 days prior to the start date to confirm a position on this course.                  |
| <b>Inclusions</b>      | Price includes text books, all equipment for the duration of the course, and all certification fees and equipment for the course. |

### 11.1.2 SELECTION CRITERIA

Students will be 15 years of age in the year of competency. It is recommended annual CPR (4 hrs) training is undertaken.

### 11.1.3 COURSE STANDARDS

The course meets the requirements of:

- National Health Care Training Package, National Competence unit number: HLTF301B (Apply First Aid) – 3 years National Accreditation.
- This course fulfils the requirements of AS/NZS2299.1:2007 paragraph 2.5.2, AS2815 paragraph 1.6 (e), and the PSL (Diving Safety) Regulations 2002. For ADAS and TUCF commercial diving standards.

## 11.2 IN DETAIL

### 11.2.1 COURSE OVERVIEW

This course is aimed at introducing participants to First Aid, the Emergency Action Plan, Trauma Management and Medical Emergency Management.



# 12. ADVANCED RESUSCITATION

## 12.1 IN BRIEF

### 12.1.1 COURSE DETAILS

**Reference**

**Dates**

**Duration** 6 hours

**Location** TUCF

**Student Numbers** Minimum Number 6  
Maximum Number 16

**Price** AUD\$135.00

**Deposit** A deposit of AUD\$50.00 is required to confirm a position on this course.

**Inclusions** Price includes text books, all equipment for the duration of the course, and all certification fees and equipment for the course.

### 12.1.2 SELECTION CRITERIA

Current Apply First Aid (also known as Senior First Aid) Certification must be nationally accredited. (National Competence Unit Number HLTA301B)

### 12.1.3 COURSE STANDARDS

The course meets the requirements of:

- a) National Health Care Training Package, National Competence unit number HLTA404A (Apply Advanced - Resuscitation Techniques- 1 year National Accreditation).
- b) This course fulfils the requirements of AS/NZS2299.1:2007 paragraph 2.5.2, AS2815 paragraph 1.6 (e), and the PSL (Diving Safety) Regulations 2002. For ADAS and TUCF commercial diving standards.

## 12.2 IN DETAIL

### 12.2.1 COURSE OVERVIEW

In the course participants will revise the Emergency Action Plan, and learn more about basic life support, care of the unconscious. They will learn oxygen therapy theory and develop skills for the use of oxygen equipment and supply including; safety precautions, the need for oxygen, administration of oxygen, use of an oropharyngeal airway, aspiration and defibrillation.



# 13. DIVE MEDICAL TECHNICIAN

## 13.1 IN BRIEF

### 13.1.1 COURSE DETAILS

|                        |   |
|------------------------|---|
| <b>Reference</b>       | See calendar in Section 16 of this information pack   |
| <b>Dates</b>           | See calendar in Section 16 of this information pack   |
| <b>Duration</b>        | 2 weeks (includes evening and weekend work)   |
| <b>Location</b>        | TUCF and Fremantle Hospital   |
| <b>Student Numbers</b> | Minimum Number 6<br>Maximum Number 10   |
| <b>Price</b>           | Full Course - AUD\$2,950.00<br><br>Refresher Course – AUD\$2,650.00   |
| <b>Deposit</b>         | A deposit of AUD\$445.00 is required to confirm a position on this course.  |
| <b>Inclusions</b>      | Price includes text books, all equipment for the duration of the course, and all certification fees and equipment for the course. |

### 13.1.2 SELECTION CRITERIA

In accordance with ADAS and AS/NZS2299.1:2007;

### 13.1.3 COURSE PARTICIPATION

- a) **Hold a certificate of Senior First Aid and Advanced Resus/O<sub>2</sub> Provider.** This must be completed before you commence the DMT course and must be valid for the duration of course.
- b) Hold a recognised open water recreational SCUBA certificate or Part 1, 2, 3 certification as per below.

### 13.1.4 ADAS DMT CERTIFICATION

- a) **Hold a certificate of Senior First Aid and Advanced Resus/O<sub>2</sub> Provider.** This must be completed before you commence the DMT course and must be valid for the duration of course.
- b) Hold a recognised open water recreational SCUBA certificate or Part 1, 2, 3 certification as per below).
- c) Hold an in-date AS2299 certificate of diving medical examination not more than 12 months old at the completion of the course.
- d) Hold a current ADAS Part 1 or Part 2 qualification or equivalent, AND



- e) Hold a current ADAS Chamber Operator qualification or equivalent, OR
- f) Hold a current ADAS Part 3 qualification or equivalent.

### 13.1.5 REFRESHER COURSES

You must have completed the TUCF/Fremantle Hospital course within the past 3 years to complete the DMT Refresher at TUCF.

Refresher courses are held in conjunction with full DMT programs. Students will be required to complete all of the practical training exercises and assessments as well as the final theory assessment.

### 13.1.6 COURSE STANDARDS

The course meets the requirements of:

- a) ADAS Diver Medical Technician.
- b) Certificate IV in Occupational Diving (Diver Medical Technician). National Qualification Code 80353ACT.

## 13.2 IN DETAIL

### 13.2.1 COURSE OVERVIEW

When working offshore, all divers will have been trained in first aid. However, there is a requirement for a member of the dive team who is not diving, other than the supervisor, to be trained in advanced first aid – generally referred to as a “diver medic” or “diver medical technician” (DMT) .

The TUCF/Fremantle Hospital DMT course content is based on previous HSE requirements, but the relevance of the contents has been regularly audited by ADAS, and changes have been made where appropriate.

The course is competency based. Each module of the course has clearly identified competencies that are assessed at various stages [of the course]. Competencies will be assessed practically, verbally or by questionnaire.

The aim of the course is to ensure the Diver Medic is:

- a) Capable of administering First Aid and emergency treatment and of carrying out the directions of a doctor pending the arrival of more skilled medical aid;
- b) Capable of communicating understandably by telephone, radio or facsimile with the doctor;
- c) Familiar with diving procedures and compression chamber operation, and
- d) Able to assist the diving supervisor with decompression procedures and advising when medical help should be sought.

The Diver Medic must be fit to enter a chamber in an emergency and must hold a valid diver's certificate of medical fitness and maintain a personal logbook in which to keep the certificate and record details of any entry into the compression chamber.



Anyone can join the course as a student, irrespective of their background and qualifications. However, they will only be issued an IMCA-recognised ADAS certificate if they hold an offshore qualification in diving.



# 14. INTRODUCTION TO COMMERCIAL DIVING

## 14.1 IN BRIEF

---

### 14.1.1 COURSE DETAILS

|                        |   |
|------------------------|---|
| <b>Reference</b>       | On application.   |
| <b>Dates</b>           | On application. You must be part of a group to book this course at present.   |
| <b>Duration</b>        | 2 Days  |
| <b>Location</b>        | TUCF, 8 Rous Head Road North Fremantle WA 6159  |
| <b>Student Numbers</b> | Minimum Number 4 group bookings only<br>Maximum Number 6  |
| <b>Price</b>           | AUD\$540.00   |
| <b>Deposit</b>         | A deposit of AUD\$200.00 is required to confirm a position on this course.  |
| <b>Inclusions</b>      | Price includes text books, all equipment for the duration of the course, and all certification fees and equipment for the course. |

### 14.1.2 PREREQUISITES

The following are the mandatory prerequisites for the course:

- a) SSI Open Water Diver or approved equivalent.
- b) 18 years of age.
- c) Medically in date.

The following are recommend prerequisites that will enhance the enjoyment of your introduction to commercial diving:

- a) SSI Search & Recovery Diver.
- b) SSI Advanced Open Water Diver.
- c) SSI Deep Diver.

### 14.1.3 COURSE SYNOPSIS

To introduce recreational divers to the equipment and diving techniques used by the commercial diving industry. The program is not a certification course and does not imply or provide accreditation as a commercial diver.



**14.1.4 SUBJECTS COVERED**

Theory of decompression chambers and surface supplied diving operations. Practical diving will include a decompression chamber dive to 50 metres; surface supplied diving in the pool and ocean; use of underwater communications, full face masks and helmets; and two “working” dives!

**14.1.5 INCLUSIONS**

Surface supplied diving equipment, textbook and participation certification are provided.



# 15. MISCELLANEOUS COURSES

## 15.1 OVERVIEW

---

### 15.1.1 GENERAL

The courses listed in this section can also be provided by The Underwater Centre Fremantle. Please contact us for further information.

### 15.1.2 KIRBY MORGAN MAINTENANCE/ OPERATORS COURSE

This one day course is run in conjunction with our other courses. It is designed to train divers in the field maintenance of Diving System International (DSI – “Kirby Morgan” band masks and helmets). Students will receive a DSI Maintenance Certificate on successful completion of the course. Dates on application.

### 15.1.3 COURSE DESIGN

TUCF has the capability of and capacity for designing industry specific training for most subsea activities. These activities include ROV, Chamber Operator and Atmospheric Diving Systems. Please contact us for further information.



# 16. COURSE CALENDAR, PRICE LIST & BOOKINGS

## 16.1 INTRODUCTION

### 16.1.1 GST

Prices listed in this booklet do include the Goods and Services Tax (GST) where applicable. The GST commenced on 1 July 2000. GST is not payable on all ADAS commercial diving courses.

### 16.1.2 COURSE FEES

A 15% deposit is required to confirm a course booking. The balance of all course fees will need to be paid in full by or on the first day of the course. If you are completing a combined Part 1, 2 and 3, payments can be made at the start of each four week course.

**PLEASE NOTE** that your deposit is *non refundable* and *non transferrable* unless you have a medical reason or in other certain exceptional circumstances. If you cannot commence the course please give us as much notice as possible to avoid further administration charges.

Once you book onto a course that is the course you must undertake or risk forfeiting your deposit.

PLEASE NOTE As of 2011 a 15% deposit is required to confirm a course booking. 35% of the fees are due 30 days before the course commencement and the remaining 50% is due on the first day of the course.

## 16.2 CALENDAR AND PRICE

### 16.2.1 AIR DIVING TO 50M (COMBINED ADAS PART 1, 2 AND 3)

| Ref    | Commence          |    | Finish            | Section | Duration | Price       |
|--------|-------------------|----|-------------------|---------|----------|-------------|
| 01/11C | 17 January 2011   | to | 08 April 2011     | 5       | 12 Weeks | \$18,950.00 |
| 04/11C | 21 February 2011  | to | 20 May 2011       | 5       | 12 Weeks | \$18,950.00 |
| 09/11C | 11 April 2011     | to | 08 July 2011      | 5       | 12 Weeks | \$18,950.00 |
| 12/11M | 9 May 2011        | to | 29 July 2011      | 5       | 12 Weeks | \$TBA       |
| 18/11C | 11 July 2011      | to | 30 September 2011 | 5       | 12 Weeks | \$18,950.00 |
| 23/11M | 12 September 2011 | to | 02 December 2011  | 5       | 12 Weeks | \$TBA       |
| 25/11C | 26 September 2011 | to | 16 December 2011  | 5       | 12 Weeks | \$18,950.00 |
| 01/12C | 16 January 2012   | to | 05 April 2012     | 5       | 12 Weeks | \$TBA       |
| 05/12C | 20 February 2012  | to | 11 May 2012       | 5       | 12 Weeks | \$TBA       |
| 10/12C | 10 April 2012     | to | 29 June 2012      | 5       | 12 Weeks | \$TBA       |
| 15/12C | 14 May 2012       | to | 3 August 2012     | 5       | 12 Weeks | \$TBA       |
| 19/12C | 02 July 2012      | to | 21 September 2012 | 5       | 12 Weeks | \$TBA       |
| 24/12C | 06 August 2012    | to | 26 October 2012   | 5       | 12 Weeks | \$TBA       |
| 30/12C | 10 September 2012 | to | 30 November 2012  | 5       | 12 Weeks | \$TBA       |
| 32/12C | 24 September 2012 | to | 14 December 2012  | 5       | 12 Weeks | \$TBA       |
| 01/13C | 14 January 2013   | to | 05 April 2013     | 5       | 12 Weeks | \$TBA       |
| 04/13C | 18 February 2013  | to | 10 May 2013       | 5       | 12 Weeks | \$TBA       |



|        |                   |    |                   |   |          |       |
|--------|-------------------|----|-------------------|---|----------|-------|
| 14/13C | 13 May 2013       | to | 02 August 2013    | 5 | 12 Weeks | \$TBA |
| 19/13C | 01 July 2013      | to | 20 September 2013 | 5 | 12 Weeks | \$TBA |
| 24/13C | 05 August 2013    | to | 25 October 2013   | 5 | 12 Weeks | \$TBA |
| 29/13C | 02 September 2013 | to | 22 November 2013  | 5 | 12 Weeks | \$TBA |
| 31/13C | 23 September 2013 | to | 13 December 2013  | 5 | 12 Weeks | \$TBA |

Deposit required: AUD\$2845.00

**16.2.2 AIR DIVING TO 30M (COMBINED ADAS PART 1 AND 2)**

| Ref    | Commence          |    | Finish            | Section | Duration | Price       |
|--------|-------------------|----|-------------------|---------|----------|-------------|
| 01/11B | 17 January 2011   | to | 11 March 2011     | 4       | 8 Weeks  | \$12,500.00 |
| 04/11B | 21 February 2011  | to | 15 April 2011     | 4       | 8 Weeks  | \$12,500.00 |
| 09/11B | 11 April 2011     | to | 10 June 2011      | 4       | 8 Weeks  | \$12,500.00 |
| 18/11B | 11 July 2011      | to | 02 September 2011 | 4       | 8 Weeks  | \$12,500.00 |
| 25/11B | 26 September 2011 | to | 18 November 2011  | 4       | 8 Weeks  | \$12,500.00 |
| 01/12B | 16 January 2012   | to | 09 March 2012     | 4       | 8 Weeks  | \$TBA       |
| 05/12B | 20 February 2012  | to | 13 April 2012     | 4       | 8 Weeks  | \$TBA       |
| 10/12B | 10 April 2012     | to | 1 June 2012       | 4       | 8 Weeks  | \$TBA       |
| 15/12B | 14 May 2012       | to | 6 July 2012       | 4       | 8 Weeks  | \$TBA       |
| 19/12B | 2 July 2012       | to | 24 August 2012    | 4       | 8 Weeks  | \$TBA       |
| 24/12B | 6 August 2012     | to | 28 September 2012 | 4       | 8 Weeks  | \$TBA       |
| 30/12B | 10 September 2012 | to | 02 November 2012  | 4       | 8 Weeks  | \$TBA       |
| 32/12B | 24 September 2012 | to | 16 November 2012  | 4       | 8 Weeks  | \$TBA       |
| 01/13B | 14 January 2013   | to | 08 March 2013     | 4       | 8 Weeks  | \$TBA       |
| 04/13B | 18 February 2013  | to | 12 April 2013     | 4       | 8 Weeks  | \$TBA       |
| 09/13B | 08 April 2013     | to | 31 May 2013       | 4       | 8 Weeks  | \$TBA       |
| 14/13B | 13 May 2013       | to | 05 July 2013      | 4       | 8 Weeks  | \$TBA       |
| 19/13B | 01 July 2013      | to | 23 August 2013    | 4       | 8 Weeks  | \$TBA       |
| 24/13B | 05 August 2013    | to | 27 September 2013 | 4       | 8 Weeks  | \$TBA       |
| 29/13B | 02 September 2013 | to | 25 October 2013   | 4       | 8 Weeks  | \$TBA       |
| 31/13B | 23 September 2013 | to | 15 November 2013  | 4       | 8 Weeks  | \$TBA       |

Deposit required: AUD \$1875.00

**16.2.3 OCCUPATIONAL SCUBA DIVING TO 30M (ADAS PART 1 ONLY)**

| Ref   | Commence          |    | Finish           | Section | Duration | Price      |
|-------|-------------------|----|------------------|---------|----------|------------|
| 01/11 | 17 January 2011   | to | 11 February 2011 | 3       | 4 Weeks  | \$6,600.00 |
| 04/11 | 21 February 2011  | to | 18 March 2011    | 3       | 4 Weeks  | \$6,600.00 |
| 09/11 | 11 April 2011     | to | 13 May 2011      | 3       | 5 Weeks  | \$6,600.00 |
| 18/11 | 11 July 2011      | to | 05 August 2011   | 3       | 4 Weeks  | \$6,600.00 |
| 25/11 | 26 September 2011 | to | 21 October 2011  | 3       | 4 Weeks  | \$6,600.00 |
| 01/12 | 16 January 2012   | to | 10 February 2012 | 3       | 4 Weeks  | \$TBA      |
| 05/12 | 20 February 2012  | to | 16 March 2012    | 3       | 4 Weeks  | \$TBA      |
| 10/12 | 10 April 2012     | to | 04 May 2012      | 3       | 4 Weeks  | \$TBA      |
| 15/12 | 14 May 2012       | to | 08 June 2012     | 3       | 4 Weeks  | \$TBA      |
| 19/12 | 02 July 2012      | to | 27 July 2012     | 3       | 4 Weeks  | \$TBA      |
| 24/12 | 06 August 2012    | to | 31 August 2012   | 3       | 4 Weeks  | \$TBA      |
| 30/12 | 10 September 2012 | to | 05 October 2012  | 3       | 4 Weeks  | \$TBA      |
| 32/12 | 24 September 2012 | to | 19 October 2012  | 3       | 4 Weeks  | \$TBA      |
| 01/13 | 14 January 2013   | to | 08 February 2013 | 3       | 4 Weeks  | \$TBA      |
| 04/13 | 18 February 2013  | to | 15 March 2013    | 3       | 4 Weeks  | \$TBA      |



|       |                   |    |                   |   |         |       |
|-------|-------------------|----|-------------------|---|---------|-------|
| 09/13 | 08 April 2013     | to | 03 May 2013       | 3 | 4 Weeks | \$TBA |
| 14/13 | 13 May 2013       | to | 07 June 2013      | 3 | 4 Weeks | \$TBA |
| 19/13 | 01 July 2013      | to | 26 July 2013      | 3 | 4 Weeks | \$TBA |
| 24/13 | 05 August 2013    | to | 30 August 2013    | 3 | 4 Weeks | \$TBA |
| 29/13 | 02 September 2013 | to | 27 September 2013 | 3 | 4 Weeks | \$TBA |
| 31/13 | 23 September 2013 | to | 18 October 2013   | 3 | 4 Weeks | \$TBA |

Deposit required: AUD\$990.00

#### 16.2.4 RPL OCCUPATIONAL SCUBA DIVING TO 30M (ADAS PART 1 RPL ONLY)

| Ref   | Commence          |    | Finish            | Section | Duration | Price      |
|-------|-------------------|----|-------------------|---------|----------|------------|
| 02/11 | 31 January 2011   | to | 11 February 2011  | 6       | 2 Weeks  | \$4,500.00 |
| 30/11 | 08 March 2011     | to | 18 March 2011     | 6       | 2 Weeks  | \$4,500.00 |
| 11/11 | 02 May 2011       | to | 13 May 2011       | 6       | 2 Weeks  | \$4,500.00 |
| 19/11 | 25 July 2011      | to | 05 August 2011    | 6       | 2 Weeks  | \$4,500.00 |
| 26/11 | 10 October 2011   | to | 21 October 2011   | 6       | 2 Weeks  | \$4,500.00 |
| 02/12 | 30 January 2012   | to | 10 February 2012  | 6       | 2 Weeks  | \$TBA      |
| 06/12 | 06 March 2012     | to | 16 March 2012     | 6       | 2 Weeks  | \$TBA      |
| 11/12 | 23 April 2012     | to | 04 May 2012       | 6       | 2 Weeks  | \$TBA      |
| 17/12 | 28 May 2012       | to | 08 June 2012      | 6       | 2 Weeks  | \$TBA      |
| 22/12 | 16 July 2012      | to | 27 July 2012      | 6       | 2 Weeks  | \$TBA      |
| 27/12 | 20 August 2012    | to | 31 August 2012    | 6       | 2 Weeks  | \$TBA      |
| 31/12 | 24 September 2012 | to | 05 October 2012   | 6       | 2 Weeks  | \$TBA      |
| 33/12 | 08 October 2012   | to | 19 October 2012   | 6       | 2 Weeks  | \$TBA      |
| 02/13 | 29 January 2013   | to | 08 February 2013  | 6       | 2 Weeks  | \$TBA      |
| 06/13 | 05 March 2013     | to | 15 March 2013     | 6       | 2 Weeks  | \$TBA      |
| 12/13 | 22 April 2013     | to | 03 May 2013       | 6       | 2 Weeks  | \$TBA      |
| 16/13 | 27 May 2013       | to | 07 June 2013      | 6       | 2 Weeks  | \$TBA      |
| 22/13 | 15 July 2013      | to | 26 July 2013      | 6       | 2 Weeks  | \$TBA      |
| 26/13 | 15 August 2013    | to | 23 August 2013    | 6       | 2 Weeks  | \$TBA      |
| 30/13 | 16 September 2013 | to | 27 September 2013 | 6       | 2 Weeks  | \$TBA      |
| 32/13 | 07 October 2013   | to | 18 October 2013   | 6       | 2 Weeks  | \$TBA      |

Deposit required: AUD\$675.00

#### 16.2.5 UPGRADE FROM PART 1 TO PART 2 (ADAS PART 2 ONLY)

| Ref   | Commence          |    | Finish            | Section | Duration | Price      |
|-------|-------------------|----|-------------------|---------|----------|------------|
| 03/11 | 14 February 2011  | to | 11 March 2011     | 4       | 4 Weeks  | \$6,900.00 |
| 07/11 | 21 March 2011     | to | 15 April 2011     | 4       | 4 Weeks  | \$6,900.00 |
| 13/11 | 16 May 2011       | to | 10 June 2011      | 4       | 4 Weeks  | \$6,900.00 |
| 20/11 | 08 August 2011    | to | 02 September 2011 | 4       | 4 Weeks  | \$6,900.00 |
| 27/11 | 24 October 2011   | to | 18 November 2011  | 4       | 4 Weeks  | \$6,900.00 |
| 03/12 | 13 February 2012  | to | 09 March 2012     | 4       | 4 Weeks  | \$TBA      |
| 08/12 | 19 March 2012     | to | 13 April 2012     | 4       | 4 Weeks  | \$TBA      |
| 13/12 | 07 May 2012       | to | 01 June 2012      | 4       | 4 Weeks  | \$TBA      |
| 18/12 | 11 June 2012      | to | 06 July 2012      | 4       | 4 Weeks  | \$TBA      |
| 23/12 | 30 July 2012      | to | 24 August 2012    | 4       | 4 Weeks  | \$TBA      |
| 29/12 | 03 September 2012 | to | 28 September 2012 | 4       | 4 Weeks  | \$TBA      |
| 35/12 | 08 October 2012   | to | 02 November 2012  | 4       | 4 Weeks  | \$TBA      |
| 37/12 | 22 October 2012   | to | 16 November 2012  | 4       | 4 Weeks  | \$TBA      |
| 03/13 | 11 February 2013  | to | 08 March 2013     | 4       | 4 Weeks  | \$TBA      |
| 08/13 | 18 March 2013     | to | 12 April 2013     | 4       | 4 Weeks  | \$TBA      |
| 13/13 | 06 May 2013       | to | 31 May 2013       | 4       | 4 Weeks  | \$TBA      |
| 18/13 | 10 June 2013      | to | 05 July 2013      | 4       | 4 Weeks  | \$TBA      |



|       |                   |    |                   |   |         |       |
|-------|-------------------|----|-------------------|---|---------|-------|
| 23/13 | 29 July 2013      | to | 23 August 2013    | 4 | 4 Weeks | \$TBA |
| 28/13 | 02 September 2013 | to | 27 September 2013 | 4 | 4 Weeks | \$TBA |
| 34/13 | 01 October 2013   | to | 25 October 2013   | 4 | 4 Weeks | \$TBA |
| 36/13 | 21 October 2013   | to | 15 November 2013  | 4 | 4 Weeks | \$TBA |

**NOTE:** An AUD\$500.00 discount is available for past TUCF Part 1 students.

Deposit required: AUD\$1035

**16.2.6 UPGRADE FROM PART 2 TO PART 3 (ADAS PART 3 ONLY)**

| Ref   | Commence          |    | Finish            | Section | Duration | Price      |
|-------|-------------------|----|-------------------|---------|----------|------------|
| 06/11 | 14 March 2011     | to | 08 April 2011     | 5       | 4 Weeks  | \$6,950.00 |
| 08/11 | 18 April 2011     | to | 20 May 2011       | 5       | 4 Weeks  | \$6,950.00 |
| 16/11 | 13 June 2011      | to | 08 July 2011      | 5       | 4 Weeks  | \$6,950.00 |
| 22/11 | 05 September 2011 | to | 30 September 2011 | 5       | 4 Weeks  | \$6,950.00 |
| 29/11 | 21 November 2011  | to | 16 December 2011  | 5       | 4 Weeks  | \$6,950.00 |
| 07/12 | 12 March 2012     | to | 5 April 2012      | 5       | 4 Weeks  | \$TBA      |
| 12/12 | 16 April 2012     | to | 11 May 2012       | 5       | 4 Weeks  | \$TBA      |
| 16/12 | 05 June 2012      | to | 29 June 2012      | 5       | 4 Weeks  | \$TBA      |
| 21/12 | 09 July 2012      | to | 03 August 2012    | 5       | 4 Weeks  | \$TBA      |
| 28/12 | 27 August 2012    | to | 21 September 2012 | 5       | 4 Weeks  | \$TBA      |
| 34/12 | 02 October 2012   | to | 26 October 2012   | 5       | 4 Weeks  | \$TBA      |
| 39/12 | 05 November 2012  | to | 30 November 2012  | 5       | 4 Weeks  | \$TBA      |
| 40/12 | 19 November 2012  | to | 14 December 2012  | 5       | 4 Weeks  | \$TBA      |
| 07/13 | 11 March 2013     | to | 05 April 2013     | 5       | 4 Weeks  | \$TBA      |
| 11/13 | 15 April 2013     | to | 10 May 2013       | 5       | 4 Weeks  | \$TBA      |
| 17/13 | 04 June 2013      | to | 28 June 2013      | 5       | 4 Weeks  | \$TBA      |
| 21/13 | 08 July 2013      | to | 02 August 2013    | 5       | 4 Weeks  | \$TBA      |
| 25/13 | 26 August 2013    | to | 20 September 2013 | 5       | 4 Weeks  | \$TBA      |
| 33/13 | 01 October 2013   | to | 25 October 2013   | 5       | 4 Weeks  | \$TBA      |
| 37/13 | 28 October 2013   | to | 22 November 2013  | 5       | 4 Weeks  | \$TBA      |
| 38/13 | 18 November 2013  | to | 13 December 2013  | 5       | 4 Weeks  | \$TBA      |

**NOTE:** An AUD\$500.00 discount is available for past TUCF Part 2 students.

Deposit required: AUD\$1045.00

**16.2.7 DIVE MEDICAL TECHNICIAN & REFRESHER**

| Ref   | Commence          |    | Finish           | Section | Duration | Price      |
|-------|-------------------|----|------------------|---------|----------|------------|
| 10/11 | 11 April 2011     | to | 21 April 2011    | 13      | 2 Weeks  | \$2,950.00 |
| 15/11 | 23 May 2011       | to | 03 June 2011     | 13      | 2 Weeks  | \$2,950.00 |
| 17/11 | 11 July 2011      | to | 22 July 2011     | 13      | 2 Weeks  | \$2,950.00 |
| 24/11 | 04 October 2011   | to | 14 October 2011  | 13      | 2 Weeks  | \$2,950.00 |
| 09/12 | 10 April 2012     | to | 20 April 2012    | 13      | 2 Weeks  | \$TBA      |
| 20/12 | 02 July 2012      | to | 13 July 2012     | 13      | 2 Weeks  | \$TBA      |
| 25/12 | 06 August 2012    | to | 17 August 2012   | 13      | 2 Weeks  | \$TBA      |
| 38/12 | 29 October 2012   | to | 09 November 2012 | 13      | 2 Weeks  | \$TBA      |
| 10/13 | 08 April 2013     | to | 19 April 2013    | 13      | 2 Weeks  | \$TBA      |
| 20/13 | 01 July 2013      | to | 12 July 2013     | 13      | 2 Weeks  | \$TBA      |
| 39/13 | 23 September 2013 | to | 05 October 2013  | 13      | 2 Weeks  | \$TBA      |
| 40/13 | 25 November 2013  | to | 06 December 2013 | 13      | 2 Weeks  | \$TBA      |

Deposit required: AUD\$445.00

Refresher Cost: \$2650.00



**16.2.8 HARDSUIT PILOT**

| <b>Ref</b> | <b>Commence</b>     |    | <b>Finish</b>       | <b>Section</b> | <b>Duration</b> | <b>Price</b> |
|------------|---------------------|----|---------------------|----------------|-----------------|--------------|
| XX/11      | yet to be confirmed | to | yet to be confirmed | 10             | 5 weeks         | \$25,000.00  |

Deposit required: AUD\$2500.00

**16.2.9 ADAS ONSHORE DIVE SUPERVISOR**

| <b>Ref</b> | <b>Commence</b>  |    | <b>Finish</b>    | <b>Section</b> | <b>Duration</b> | <b>Price</b> |
|------------|------------------|----|------------------|----------------|-----------------|--------------|
| 05/11      | 21 February 2011 | to | 04 March 2011    | 9              | 2 Weeks         | \$2,750.00   |
| 14/11      | 23 May 2011      | to | 03 June 2011     | 9              | 2 Weeks         | \$2,750.00   |
| 21/11      | 15 August 2011   | to | 26 August 2011   | 9              | 2 Weeks         | \$2,750.00   |
| 28/11      | 31 October 2011  | to | 11 November 2011 | 9              | 2 Weeks         | \$2,750.00   |
| 04/12      | 20 February 2012 | to | 02 March 2012    | 9              | 2 Weeks         | \$TBA        |
| 14/12      | 14 May 2012      | to | 25 May 2012      | 9              | 2 Weeks         | \$TBA        |
| 26/12      | 06 August 2012   | to | 17 August 2012   | 9              | 2 Weeks         | \$TBA        |
| 36/12      | 15 October 2012  | to | 26 October 2012  | 9              | 2 Weeks         | \$TBA        |
| 05/13      | 18 February 2013 | to | 01 March 2013    | 9              | 2 Weeks         | \$TBA        |
| 15/13      | 13 May 2013      | to | 24 May 2013      | 9              | 2 Weeks         | \$TBA        |
| 27/13      | 05 August 2013   | to | 16 August 2013   | 9              | 2 Weeks         | \$TBA        |
| 35/13      | 07 October 2013  | to | 18 October 2013  | 9              | 2 Weeks         | \$TBA        |

Deposit required: AUD\$415.00



## 16.3 BOOKINGS

### 16.3.1 GENERAL

Courses run continuously according to demand and places are allocated on a “first come first served” basis to students who have forwarded the appropriate deposit and booking form. Provisional bookings are accepted but places can only be held where a 15 % deposit has been received (see course information sheets for details).

Please be advised courses fill up very quickly. Please do not send payment without confirmation from the Training Administrator that your chosen course is available.

### 16.3.2 BOOKING FORM

A booking form can be found in Section 18 at the back of this booklet. TUCF requires all fields answered in order to process your enrolment and accreditation. Please contact the Training Administrator via the contact details below to discuss your course options and choices before forwarding your completed booking form to TUCF.

### 16.3.3 DEPOSITS AND PAYMENTS

**PLEASE NOTE that your deposit is *non refundable* and *non transferable*.**

**Once you book onto a course that is the course you must undertake or risk forfeiting your deposit.**

If you fail to pay all specific outstanding Course fees to TUCF by the due date (30 days prior to course commencement), you will forfeit all monies paid, along with your place on the Course. If you experience difficulties meeting this requirement, you must contact TUCF prior to the 30 day deadline.

### 16.3.4 INFORMATION

For further information please contact the Training Administrator at TUCF:

- a) PO Box 130, North Fremantle WA 6159
- b) Telephone: +61 8 9336 3343
- c) Facsimile: +61 8 9336 3345
- d) Email: [cmillar@tucf.com.au](mailto:cmillar@tucf.com.au)



# 17. INSTRUCTOR PROFILES

## 17.1 INTRODUCTION

### 17.1.1 GENERAL

The standard of commercial diver training received at any school is dependent upon the knowledge, skills and experience of the instructors concerned. Key staff at The Underwater Centre Fremantle (TUCF) are outlined in this section. Included are profiles on:

- a) Ian Milliner, Managing Director.
- b) Dusty Miller, General Manager Operations Support Services.
- c) Andy Stocks, Senior Instructor
- d) Koh Kim Choon, Senior Instructor (Malaysia).
- e) James Wolfe, Senior Instructor.
- f) Ross Gallop, Senior Instructor.
- g) Declan Tyrrell, Instructor / Maintenance.
- h) Charmaine Millar, Training Administrator.

## 17.2 THE TEAM

### 17.2.1 IAN MILLINER

Ian was formally the National Manager of the National Association of Scuba Diving Schools Australasia Inc (NASDS), a position which he held for 8 years. He is a former Royal Australian Navy Clearance Diver holding ADAS Parts 1, 2 and 3 commercial diver and supervisor accreditation. A summary of his key diving qualifications include:

- a) Diploma Occupational Diving - Dive Manager, Advanced Underwater Work to 50 metres, ADAS (80470ACT)
- b) Certificate IV in Assessment and Workplace Training
- c) NASDS Open Water Instructor Trainer (AUST)
- d) NASDS Open Water Instructor Trainer (USA)
- e) Diploma Occupational Diving - Dive Trainer, Advanced Underwater Work to 50 metres, ADAS (80447ACT)
- f) PADI Instructor Development Course Staff Instructor
- g) RAN Scuba Air Supervisor



*Ian Milliner, preparing for a 65 metre mixed gas (heliox) dive during a course for the Royal Malaysian Navy.*

- h) ADAS Endorsed Chamber Operator
- i) ADAS Endorsed Nitrox Diver
- j) ADAS Dive Medical Technician
- k) DSI Technical Service Technician
- l) St Johns Ambulance Occupational First Aid
- m) PADI Medic First Aid Instructor

As a naval clearance diver Ian was posted to various ships and operational diving teams. He also saw three years service as a Clearance Diver with the Special Air Service Regiment (SASR) in various operational capacities. Ian is currently a member of the RAN standby reserve.

In 1986/87 Ian was the co-owner/operator of 9.2 metre charter vessel licensed for diving charters.

Appointed to the position of National Manager of NASDS Australasia (Formally the Federation of Australian Underwater Instructors FAUI) in November 1987, Ian was responsible to the membership for all aspects of the association's administration, promotion, product development, business growth and communication.



*Ian Milliner, exiting the water after removing a subsurface pump, Sumbawa, Indonesia.*

He has been the Managing Director and training manager at TUCF since its inception in 1996.

Ian held a number of senior industry administrative positions concurrent to his work. These include:

- a) Secretary of the Australia Scuba Council (1988/91) an industry representative body comprising members of key industry participants. (Re-appointed Secretary 1994/95).
- b) Secretary of the National Scuba Qualification Commission (1991 to 1993) an industry representative body comprising members of key industry groups, with the special task of administering the Federal Government sponsored National Coaching Accreditation Scheme. Re-appointed Secretary of the NSQC in June 1994.
- c) Secretary of the WA Branch of the Clearance Diving Association 1991/93.
- d) Member, Boating Industry Association (BIA), Boat Show Sub Committee, responsible for the Diving Industry's participation 95 & 96 Perth Boat Shows.
- e) Member of the Maritime Archaeology Advisory Committee of the Western Australian Maritime Museum, a committee responsible for advising the Maritime Museum Board on matters relating maritime archaeology.

Recent career highlights include:

- a) Conduct of ADAS Part 1, 2, 3, and mixed gas diving to 90 metre training for the Royal Malaysian Navy, Lumut Malaysia (2005 - 2007).
- b) Conduct of ADAS diver training for the WA Police Force (Award for Excellence in Training) (October 2004).
- c) Conduct of Audit of Mscience Pty Ltd on behalf of Hamersley Iron Pty Ltd (March 2004)



- d) Conduct of Audit of the Geraldton Port Authority diving systems and diving team (December 2003).
- e) Consultancy services for the WA Department of Industry and Resources (DoIR), reviewing Diving Safety Management Systems (June/July 2003).
- f) Production of Diving Safety Management Systems in accordance with the new PSL (Diving Safety) Regulations 2002, For Covus Corporation, Allied Diving Services, Territory Diving Services (January to September 2003) and Pacific Marine Group (July 2005).
- g) Conduct of Chamber Operator Training for “MY Aussie Rules”, Greg Norman's new motor yacht, October 2002.
- h) Conduct of Seaeye 600DT ROV training program, PT Newmont Nusa Tenggara, Sumbawa Indonesia, December 2001
- i) Conduct of diver training program, PT Newmont Nusa Tenggara, Sumbawa Indonesia, January 2001

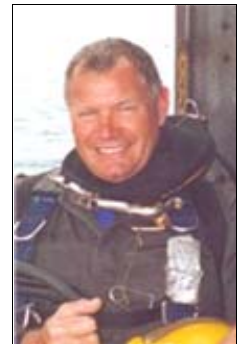
### 17.2.2 DUSTY MILLER

Dusty was a founding director of Contract Diving Services, one of Australia's foremost commercial diving companies. His experience as a naval clearance diver over seven years, plus his extensive involvement in the offshore and onshore diving industry over the last three decades, make Dusty one of the most experienced diving operations managers in the industry. Dusty has been involved in the commercial diving industry since his honourable discharge from the Royal Australian Navy in 1973.

After his initial move to Western Australia, he was eagerly sought after by diving companies in Bass Strait and was involved in lay barges, ABS surveys, salvage operations, etc. Later he became involved in the early development of the offshore oil industry in Western Australia and was involved with deep saturation diving on various drilling vessels.

Dusty is one of the most competent diving supervisors and managers in Australia and is highly respected throughout the industry. He was instrumental in the introduction into the RAN of the remotely operated rescue vehicle (RORV) known as Remora.

Dusty is currently General Manager Business Development for TUCF. He is also an active serving member of the Australian Army Reserve, holding the rank of Captain.



Dusty Miller  
General Manager Business  
Development.

### 17.2.3 KOH KIM CHOON

Koh joined TUCF following several years as a Senior Project Manager for Sapura Diving Services in Malaysia where he successfully coordinated and managed commercial diver training by TUCF for the Royal Malaysian Navy.

Prior to this, Koh spent 23 years in the Royal Malaysian Navy responsible for operations, training, administration and supervision of clearance diving units, and as Commanding Officer onboard fast attack crafts.

Koh holds ADAS Parts 1, 2 and 3 and Diving Supervisor accreditations.



Koh Kim Choon  
Senior Instructor.

His move to Western Australia has seen conducting commercial diving courses for students from around the world as well as developing further business opportunities for TUCF in South East Asia.

**17.2.4 JAMES WOLFE**

Jim joined the TUCF in November 2007 after moving to Perth from the UK. He has been involved in the occupational diving industry since 1992 and currently holds ADAS Part 3 Supervisor Accreditation.

Upon becoming a Royal Marines Commando in 1990, Jim trained as both a diver and parachutist and also supported the Special Boat Service. He saw active service around the world, including the Gulf and Bosnian conflicts.

Jim joined the UK Police in 1996, where he was a Detective and Underwater Search Officer/Supervisor, responsible for various search, salvage and body recovery operations in addition to above-surface police duties. Since 2006, he has worked in the private dive industry doing salvage and survey work.

Jim is a commercial boat skipper and highly regarded instructor at the school. Jim also works part time as an Operations Technician at the Fremantle Hospital Hyperbaric Unit.



*James Wolfe  
Senior Instructor.*

**17.2.5 ROSS GALLOP**

Ross is a former Royal Australian Navy Clearance Diver holding ADAS Parts 1, 2 and 3 and Diving Supervisor accreditation.

His 30 years in the RAN included posts at the Submarine Escape Training Facility, as Chief Instructor of the RAN Diving School, on the Joint Incident Response Unit (Bomb Squad) at the 2000 Sydney Olympics, duties with the Special Air Service, and deployment to Guam to instruct foreign defence forces in advanced Explosive Ordnance Disposal techniques.

In addition to his practical knowledge and training skills, Ross holds numerous professional qualifications, including Master Mariners V Certificate and Assistant Life Support Technician.

His extensive experience in commercial diving makes him an invaluable asset to the school. In addition to being a Senior Instructor, Ross works on TUCF vessels in the Kimberley region.

Ross is currently a serving member of the RAN Standby Reserve.



*Ross Gallop  
Senior Instructor.*

**17.2.6 ANDREW STOCKS**

Andrew joined the TUCF team as a Senior Instructor in February 2009 with a diverse yet integrative marine career.

Born in the UK, Andy started out as trade qualified Blacksmith and coded welder, with specialized skill in structural steel work. He spent five years working in this occupation before enlisting with the Royal Navy as a Weapons Engineer, where he gained qualifications in electronics.

After his discharge, Andy completed a Bachelor of Science with Honors in Marine Zoology at the University of Aberdeen. He went on to work as a fisheries scientist for the Falkland Island Government where he independently collected data for his MSc which he completed at the University of Hull.



*Andy Stocks  
Senior Instructor.*



He and his family arrived in Australia in 2004 where he has worked for Press Engineering as a Boilermaker foreman. He completed his ADAS Part 2 course in 2005, and is an accredited ADAS Part 2 Supervisor and Chamber Operator. He has worked for MScience as a Marine Scientist and Seaforce setting up the companies' marine science section; Diving Services Marine.

Andrew's background makes him an exceptional resource of knowledge for students completing commercial diving accreditation through TUCF.

### 17.2.7 JP LE ROUX

Jean Pierre (JP) has been working in the diving industry for 10 years. JP started out as a Clearance Diver in the South African Navy and spent two years aboard mine hunter SAS Umhcoti.

He crossed over to Commercial Diving in 2001 working for local companies in South Africa. JP spent the next five years working in the Middle East as a diver and supervisor doing various onshore and offshore construction projects.

JP immigrated to Australia in 2007 and has worked as a supervisor and skipper for many local companies in WA. Commencing work with TUCF in July 2009, JP is TUCF's Senior Instructor and brings a diverse diving experience background to the school.



*JP Le Roux  
Instructor/Coxswain.*

### 17.2.8 CHARMAINE MILLAR

Charmaine Millar joined TUCF in March 2009. She brings to the team 20 years experience in Hospitality, Administration and outstanding sales service skills. Within her role at TUCF she provides administrative support for the diver training program. Although new to her role and the diving industry Charmaine is highly motivated and is developing an excellent understanding of ADAS administration procedures and TUCF operational policies. This makes her an invaluable asset to the company.

In previous positions, Charmaine has assisted in areas of Human Resources and Payroll, working for Corporate Companies and Government agencies including the City of Bunbury, South West Regional College, Asgard Wealth Creation, Rendezvous Observation City Hotel, Capel Vale Winery and Bull & Bush Restaurant Boyanup. She has a strong background in the administration clerical work required to assist our students' needs.

Charmaine holds certificates in Time Management, Sales & Marketing, Customer Service & Telephone Techniques and Effective teamwork.



*Charmaine Millar  
Training Administrator.*



# 18. BOOKING FORM



|                            |                 |                 |                   |
|----------------------------|-----------------|-----------------|-------------------|
| SURNAME                    |                 |                 |                   |
| GIVEN NAMES                |                 |                 |                   |
| COURSE DATE & NUMBER       |                 |                 |                   |
| ADDRESS                    |                 |                 |                   |
| TOWN                       |                 |                 |                   |
| STATE                      |                 |                 |                   |
| POSTCODE                   |                 |                 |                   |
| PHONE (Work)               |                 |                 |                   |
| PHONE (Mobile)             |                 |                 |                   |
| FAX                        |                 |                 |                   |
| E-MAIL                     |                 |                 |                   |
| DATE OF BIRTH              |                 |                 |                   |
| SEX                        |                 |                 |                   |
| NATIONALITY                |                 |                 |                   |
| OCCUPATION                 |                 |                 |                   |
| <b>COURSE BOOKINGS [ ]</b> | <b>DATA [ ]</b> | <b>MYOB [ ]</b> | <b>LETTER [ ]</b> |

Quoted Price \$ \_\_\_\_\_.

Deposit Paid \$ \_\_\_\_\_.

Date Paid \_\_\_\_/\_\_\_\_/\_\_\_\_

Method of Payment  MasterCard  Visa Card  Cheque  Cash

Card Number

Expiry Date   /

Card Holders Signature \_\_\_\_\_

**Direct Debit Details** **BSB: 336 063 Account # 553 014 314** (Note: If paying by direct debit, please write your surname or invoice number as a reference)

**Prerequisites** Attach copies of documents which confirm prerequisites.

**Important Notice** Please note that course deposits are **non-refundable** and **non-transferable**

**Post or Fax Bookings** The Underwater Centre Fremantle Pty Ltd  
PO Box 130  
NORTH FREMANTLE WA 6159  
Facsimile: (08) 9336 3345

**Further Information** Contact Charmaine Millar (08) 9336 3343

