

Surface Supplied Diving Equipment (SSDE) Diver

Accredited Under ISO 29993:2017 Service Requirements



Level 2 - Singapore Commercial Diving Competency for Inland/Inshore

Course Overview

This course will train you to the required competencies certification as a commercial diver for commercial diving operations using Surface Supplied Diving Equipment (SSDE) (**No decompression, maximum depth 30m**).

The training standard is prepared by the **Workplace Safety & Health Council (WSHC)** in consultation with the **Commercial Diving Association Singapore (CDAS)**. The training and assessment of commercial diver trainees is carried out in accordance with the requirements of the relevant legislations, codes of practices, technical advisories and guidelines e.g. Workplace Safety and Health Act (WSHA), Code of Practice for Diving at Work (Singapore Standards SS 511) and Technical Advisory (TA) for Inland/Inshore Commercial Diving Safety and Health.

To be certified as a SSDE commercial diver, the person must have completed Level 1— CSCUBA Diver training and all the relevant units for the level of training and certification awarded as outlined in this standard. It is the responsibility of the employer/contractor who engages the occupational diver to ensure the diving personnel are suitably trained and competent for the scope of work being carried out.

This training and certification of commercial divers, are the requirements of authorities and industry demand a prescribed degree of training and competence to ensure an adequate degree of safety and performance during occupational diving operations. With this standard, it provides the authorities, clients and contractors that certified commercial divers have attained the competencies to be employed as commercial divers.

Course Objectives

This competency standard outlines the minimum requirements that must be achieved to ensure that occupational divers are trained/certified as competent commercial divers. This competency standard details the level of knowledge, theory requirements and practical application of the diving techniques needed by divers while using SSDE diving to a maximum depth of 30m (99fsw).

Who Should Attend Suitable for individual who aspire to start a commercial diver career.

Course Content

Core Competency Units

- Legislation and Standards
- Diving Theory — Physics
- Diving Theory — Physiology
- SSDE Diving Procedures
- Underwater and Surface Operational Hazards
- Documentation and Records

Specific Competency Units

- SSDE — Diving equipment, Systems, Procedures and Practices
- SSDE Training Dives
- SSDE Assessment Dives

Enhanced Units for Deck Decompression Chamber (Optional)

- Deck Decompression Chamber Procedures
- Deck Decompression Chamber Operator

These two (2) units are optional, however, divers shall be trained and certified in the DDC units for diving operations requiring a DDC onsite. (If so, additional time will be required).

Course Duration 20 working days (120 hours of practical, 40 hours of theory including assessment)

Course Funding

Course Reference Number : TGS-2020501191

Funding Validity Period : Till 09 Jun 2025

Mode of Training : Full-Time

- **Skills Development Fund (SDF) Training Grant**— Company sponsored or self-sponsored individual is eligible up to 95% funding (Final grant amount subject to SSG’s approval). Absentee Payroll (AP) approved.
- **SkillsFuture Credit** Approved for Singaporean only
- **PSEA (Post-Secondary Education Account)**: Singaporeans aged 30 and below can use their PSEA to pay for the training.

Career Prospects A short list but not limited to these positions

- Inland Inshore underwater Construction Diver
- Ships Husbandry
- Ship’s Hull cleaning
- Ship’s Repairs
- Shipyard diving
- Underwater welder
- Search And recovery / Salvage diving
- Inspection diver

Entry requirements for SSDE diver

The trainee must be in possession of a valid certificate of medical fitness to dive (refer to Singapore Standards SS 511) issued, after examination, by a doctor experienced in underwater medicine and who is trained and qualified in Underwater Medicine, basic and advanced courses in diving medicine or courses of a similar standard.

- Be a qualified CSCUBA Diver.
- Be at least 18 years of age.
- Be a competent swimmer.
- Be able to add, subtract, multiply and divide whole numbers, decimals and simple fractions.
- Be able to calculate percentages and transpose and solve simple formulas e.g. gas laws.
- Understands written and verbal communications (using English), and be able to communicate easily with other persons.
- Holds a certificate of MOM / ISO Occupational First Aid (including CPR+AED) and Diving First Aid (Diving First Aid may be included in the training / assessment process)
- Persons holding commercial diver certificates to CSCUBA level may upgrade their diving qualifications by completion of all remaining modules in this Standard for full SSDE Diver certification.

Working Categories for Inland/Inshore Commercial Diving (0 – 30 metres)

Includes but not limited to Underwater inspection and photography; Environmental management; Scientific Diving; Aquaculture; Aquariums; Underwater film production; Police and emergency services rescue response; Underwater engineering and construction.

Note: All dives are to be No Decompression diving.

Course Assessment and Certification

There will be individual assessment such as personal dive record, use and set up SSDE equipment and many group work activities to encourage teamwork. Candidates are assessed by examinations and practical assessment. Upon successful completion and passed the diver training and competency assessment, the delegate will be awarded with **KBA Training Centre’s ‘Certificate of Completion’**.

Note: This Standard does not apply to diving operations conducted within the Offshore Oil & Gas industry.

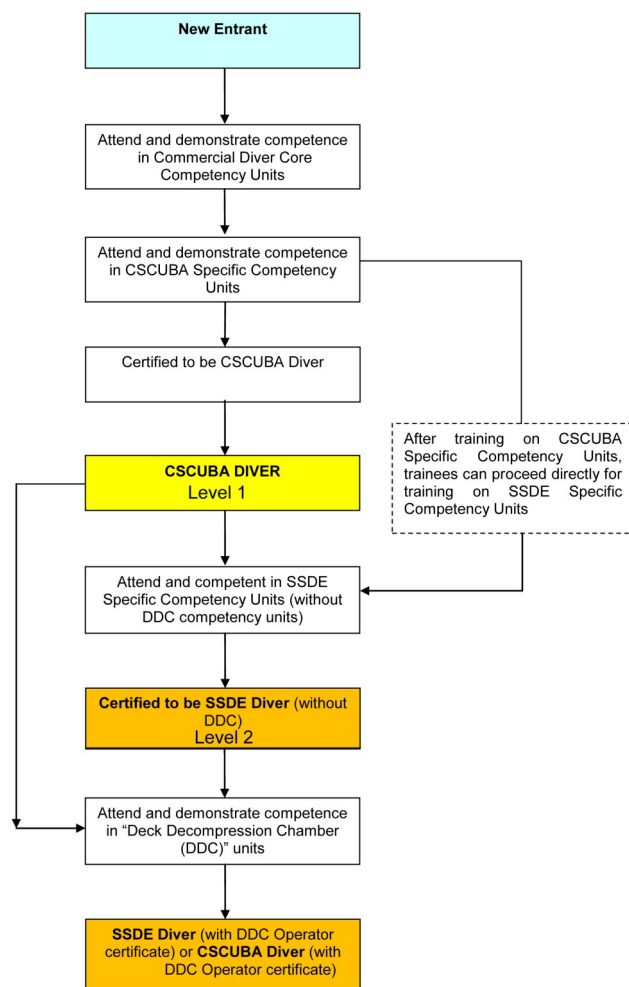
Terms & Conditions

- KBA Training Centre Pte Ltd (KBAT) is the final authority on the interpretation of these rules.
- Notwithstanding any other item herein, neither party shall be liable to the other under, arising out of or in connection with this agreement.

Confirmation

- All course dates are **provisional** until formal confirmation has been sent.
- KBAT are not responsible for any accommodation, flights, etc. purchased.

3.4 Diver Progression Flow Chart



- Upon receipt of completed registration notification will be sent regarding the course. Full joining instructions will only be sent once the course is confirmed.
- For online courses, once payment has been received, the delegate will receive log-in access details.

Change or Transfer and Cancellation

- Until course dates are formally confirmed, candidates may change or transfer their booking without additional cost to a similar or different course at least 14 working days prior to course commencement date.
- If KBAT has to cancel the course for whatever reason, a full refund (of the course fee only) will be given to any candidate who has paid a deposit or full amount and cannot transfer to an alternative. KBAT are not responsible for any accommodation and flights purchased.
- KBAT reserve the right to cancel a course or amend any course date at any time without liability. Candidates shall be given adequate notice of any changes in writing.
- Once enrolled, cancellation or refunds will not be issued for online courses.
- KBAT appreciate that candidates may not be able to attend training courses once booked so cancellations can be accepted without charge until formal confirmation of the course has been sent. After confirmation of the course the following will apply;
 - Notice of cancellation after confirmation and up to 3 days before course commencement date (start date) will be subject to a charge of 50% of the standard course fee + any nonrefundable fees paid by KBAT + tax unless a substitute for the nominated delegate shall attend the course.
 - Notice of cancellation from 3 days before course commencement date to start date (actual start day) will be subject to a charge of 100% of the standard course fee + any nonrefundable fees paid by KBAT + tax unless a substitute for the nominated delegate shall attend the course.
 - Substitution of nominated delegate where applicable shall incur examination costs or other administrative costs as per the approval body for the course and are subject to acceptance.

Payment

- All prices are as quoted and are subjected to withholding tax and applicable examination fees where required.
- Available modes of payment are as follows:

CASH	Payment can be made in Singapore Dollars (SGD\$) or US Dollars (USD\$) at KBAT Singapore. If payment is made in USD\$, any monetary change resulting from excess payment will be made in SGD.
PAYPAL	Payment can be made via PayPal Account or as PayPal Guest
BANK TRANSFER	Overseas bank transfer can be made. Kindly note that any local and international bank charges are to be incurred by the candidate.
INTERNET BANKING FUND TRANSFER	Payment can be made via internet banking using any valid internet banking account in Singapore.
CHEQUE	Cheques should be crossed and made payable to 'KBA Training Centre Pte Ltd'
PAYNOW	Peer-to-peer funds transfer service available to retail customers of nine participating Singapore banks. Transfer can be made to KBAT UEN number 200602439G.
NETS/eNETS	Payment can be made via NETS over the counter at KBAT Singapore and eNETS via KBAT website
CREDIT CARD / DEBIT CARD	Payment can be made via VISA/MASTERCARD over the counter at KBAT Singapore.

- All charges incurred from Telegraphic Transfer, PayPal or bank transfer will be at the cost of delegates.
- Invoices raised on company accounts must be paid as per terms and conditions stated on invoice. Failure to make payment will result in withholding of course results.
- On confirmation of booking for individuals, full payment must be received before commencement of the course.
- Delegates are responsible for payment of their own accommodation/flights/local transportation and reservations.
- For courses with applicable local funding and/or grant, full course fee payment will be required for failure to complete the course or as a result of failing the examination(s). Where applicable, examination re-sit charges will apply.
- For SkillsFuture credit claim application, candidate is to pay for the course fee difference. In the event that SkillsFuture credit claim application is rejected by SkillsFuture Singapore (SSG), then full course fee payment is to be charged from the candidate.



For more information, contact KBAT at:
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