

Surface Supplied Diving Equipment (SSDE) Diving Supervisor

(Accredited Under ISO 29993:2017 Service Requirements)



Level 4 - Singapore Commercial Diving Competency for Inland/Inshore

Course Overview

This course specifies the competencies required for training and certification of Inland/Inshore diving supervisors for commercial diving operations using Surface Supplied Diving Equipment (SSDE). The course outlines the competency and training requirements for Level 4 diving supervisor qualification: **SSDE Diving Supervisor (also named as Inland/Inshore Diving Supervisor) (Maximum depth 30msw)** and describes the competency requirements to train dive supervisors to safely and competently plan and supervise Inland/Inshore diving operations involving SSDE.

This Standard is prepared by the **Workplace Safety & Health Council (WSHC)** in consultation with the **Commercial Diving Association Singapore (CDAS)**. It should be understood by the user of this standard that the requirements contained herein are the minimum acceptable levels. All the training and assessment of commercial diver trainees shall be 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.

This Standard is the second part (Part 2) of the standards relevant to the training and certification of commercial divers, where the requirements of authorities and industry demand a prescribed standard of training and competence to ensure an adequate degree of safety and performance during diving operations. With this standard, it provides the authorities, training providers and trainees a summary of the minimum competencies required by Inland/Inshore SSDE Diving Supervisors, and details the minimum content of a training course for imparting these competencies to a trainee occupational dive supervisor.

Course Objectives

This competency standard outlines the minimum requirements for commercial diving supervisors to work safely and competently, and to be trained/certified as a SSDE Diving Supervisor. It is intended to provide understanding, describes the theory requirements, practical application of diving knowledge, techniques required to supervise dives while using SSDE to a maximum depth of 30msw (metres of sea water).

Course Content

Core Competency Units

- Singapore's Legislation and Standards
- Advanced Diving Theory: Physics
- Advanced Diving Theory: Physiology
- Dive Planning
- Operational Hazards
- Lockout/Tagout (LOTO) Procedures
- Documentation and Records

Specific Competency Units

- SSDE — Diving Equipment, Systems, Procedures and Practices
- SSDE Diving Operations
- CSCUBA Diving Operations

Who Should Attend Suitable for individuals who are already qualified as SSDE Diver and aspires to further their commercial diving career in Singapore to be SSDE Diving Supervisor.

Course Duration 8 days (24 hours of practical, 40 hours of theory including assessment)

Course Reference Number : TGS-2019500531

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

The supervisor has an overall responsibility of the above diving operations and is responsible for the dive team. He / she will be in-charged during diving operations and is responsible of the dive teams safety and health.

Entry requirements for SSDE diving Supervisor

- The trainee must be in possession of a valid certificate of medical fitness.
- Be at least 21 years of age.
- Be able to add, subtract, multiply and divide whole numbers, decimals and fractions.
- Be able to calculate percentages; and transpose and solve simple formulas, e.g. gas laws.
- Understands written and verbal communications in English, and be able to communicate easily with other persons.
Note: This is particularly important where trainees or instructors are of differing nationalities.
- Be trained and qualified as a SSDE diver; with a minimum of 1 year experience and a minimum of 150 dives logged as a SSDE Diver.
 - Claims to such experience must be supported with a portfolio of certified and / or formally logged supporting evidence.
- Be able to demonstrate sufficient maturity, leadership and management skills through provision of a letter of suitability for training as a diving supervisor provided by a recognised commercial diving employer.
- 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).
- Be trained in management of risks (MOM Accredited Risk Assessment course).

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 to a maximum depth of 30m.

Note: All dives are to be No Decompression diving.

Course Assessment and Certification

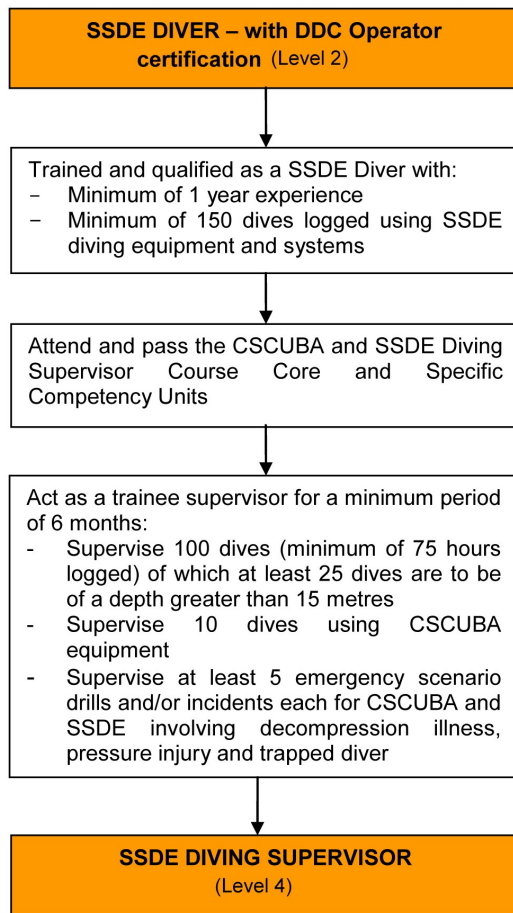
There will be many group work activities such as conduct a job specific dive briefing/ tool box talk meeting, preparation of dive plan, develop emergency response procedure, develop a dive plan, planning and implementing the dive, supervise correct actions during emergency etc. Candidates are assessed throughout the training period and by a multiple-choice examination on the final day of the course.

Upon successful completion and passed the diving supervisor training and course assessments, the delegate will be awarded with KBA Training Centre's 'Certificate of Completion — Inland/Inshore Diving Supervisor' and the CDAS 'Inland/Inshore' Diving Supervisor Card.

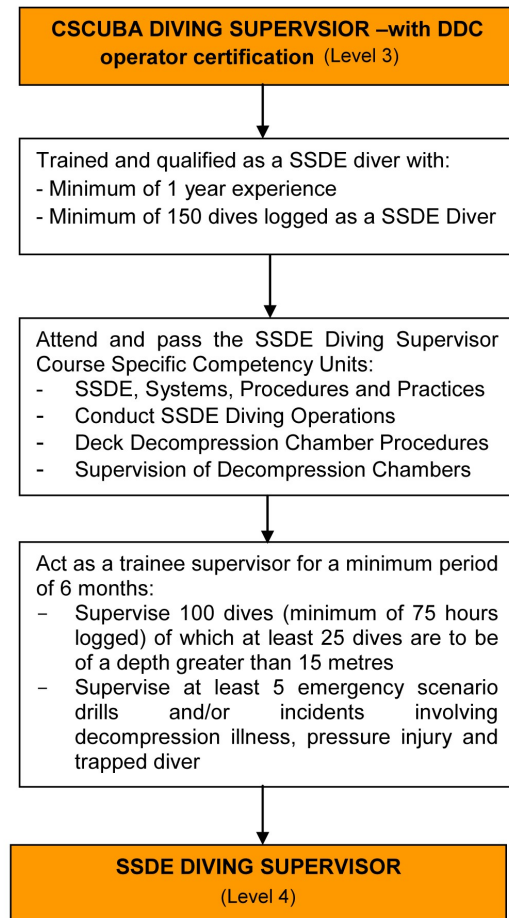
Note:

- *This Standard does not apply to the supervision of diving operations conducted within the Offshore Oil & Gas industry.*
- *This Standard may be used to train and assess dive supervisors for any type of diving operation in the type of diving method (CSCUBA) the certification is relevant to. However, for certification to be awarded it is necessary for the diving supervisor to be competent at effectively supervising a range of common general diving operations.*

SSDE Diver → SSDE Diving Supervisor Progression Flow Chart



CSCUBA Diving Supervisor → SSDE Diving Supervisor Progression Flow Chart



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.
- 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 TRANS-FER	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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