

Society for Underwater Technology

**Register of SUT Accredited
Subsea Engineers
Statement of Experience**



Introduction

The Subsea Engineering & Operations Technical Group assessment aims to generate and maintain a Register of SUT accredited Subsea Engineers who are experienced in the design, installation and operation of equipment, facilities and systems situated in the vicinity of the seabed. Whilst strongly endorsing the pursuit of Chartered Engineer status, the SUT accepts that there may be suitably experienced candidates who are not chartered, but a recognised engineering degree is usually a pre-requisite.

The register is available to the subsea industry with the objective of assisting suitably experienced Subsea Engineers in the progression of their career and assisting the subsea industry in recognising and selecting Subsea Specialist Engineers.

Applicants who wish to be considered for recognition as an SUT accredited Subsea Engineer must be a personal member of the SUT or in the employment of a Corporate SUT Member.

An assessment panel, endorsed by the SUT Council, will scrutinise the applicant's submission. The panel will meet six-monthly and successful applicants will be placed on the listing and informed by email and letter. Unsuccessful applicants will be informed of the reasons for not qualifying. The Register of SUT accredited Subsea Engineers will be published on the SUT website.

Subsea Engineering Experience Requirements

The register is aimed at Subsea Engineers with 10 years or more relevant work experience.

The following subsea engineering core areas have been identified:

- 1) General Subsea Engineering
- 2) Concept Selection
- 3) Flow Assurance/Process
- 4) Umbilicals, Risers & Flowlines
- 5) Subsea Facilities
- 6) Wells
- 7) Controls
- 8) Installation & Intervention

As a minimum, candidates for inclusion on the Subsea Engineer register are expected to demonstrate competence in at least two core areas and awareness in two core areas. There is not an expectation that candidates will be able to populate all core areas, but it is expected that the candidate will also demonstrate general experience pertaining to subsea engineering.

A. GENERAL INFORMATION

| | |
|--|--|
| DATE | |
| FIRST NAMES | |
| SURNAME | |
| PERSONAL MEMBERSHIP NUMBER | |
| QUALIFICATIONS | |
| RELEVANT EMPLOYMENT HISTORY (list companies & positions held with dates) | |
| CURRENT POSITION | |

Note: As an indication it is expected that the applicant will present approximately half a page for a 'core area' and a paragraph for an 'awareness area'.

B. SUMMARY OF GENERAL SUBSEA ENGINEERING EXPERIENCE: State your personal involvement in general subsea engineering. For example environment, quality, cost/schedule, contractors/suppliers, material issues, integrity/reliability issues, codes/standards, health safety environment.

| SPECIFIC TASKS/RESPONSIBILITIES | DURATION/DATES |
|---------------------------------|----------------|
| | |

C. SUMMARY OF CONCEPT SELECTION EXPERIENCE: State your personal involvement in concept selection. For example field development, field/system architecture, flow schematics, P&IDs.

| SPECIFIC TASKS/RESPONSIBILITIES | DURATION/DATES |
|---------------------------------|----------------|
| | |

D. SUMMARY OF FLOW ASSURANCE/PROCESS EXPERIENCE: State your personal involvement in flow assurance/process. For example design, commissioning, operation and analysis of subsea production systems, including understanding of hydraulics/multiphase flow, formation/wax/hydrate implications, operational procedures/impact and mitigation techniques. This would include understanding long term reliability, inspection, testing and maintenance of such systems.

| SPECIFIC TASKS/RESPONSIBILITIES | DURATION/DATES |
|---------------------------------|----------------|
| | |

E. SUMMARY OF UMBILICALS, RISERS & FLOWLINES EXPERIENCE: State your personal involvement in umbilicals, Risers & Flowlines. For example selection, design, manufacture, installation, commissioning, operation and analysis of Subsea flowlines, flexible/steel Catenary/free standing/vertical hybrid risers, umbilicals, pipelines and bundles. This would include long term reliability, inspection, testing and maintenance of such systems.

| SPECIFIC TASKS/RESPONSIBILITIES | DURATION/DATES |
|---------------------------------|----------------|
| | |

F. SUMMARY OF SUBSEA FACILITIES EXPERIENCE: State your personal involvement in subsea facilities. For example selection, design, manufacture, installation, commissioning, operation and analysis of subsea trees, wellheads, manifolds, connection systems, spools and associated installation and workover equipment. Alternatively renewables equipment for example tidal, wave etc. This would include long term reliability, inspection, testing and maintenance of such systems.

| SPECIFIC TASKS/RESPONSIBILITIES | DURATION/DATES |
|---------------------------------|----------------|
| | |

G. SUMMARY OF WELLS EXPERIENCE: State your personal involvement of wells. For example selection, design, manufacture, installation, commissioning, operation and analysis of subsea wellheads, BOPs, drilling riser systems & WOCS. This would include long term reliability, inspection, testing and maintenance of such systems.

| SPECIFIC TASKS/RESPONSIBILITIES | DURATION/DATES |
|---------------------------------|----------------|
| | |

H. SUMMARY OF CONTROLS EXPERIENCE: State your personal involvement in control systems. For example selection, design, manufacture, installation, commissioning, operation and analysis of subsea controls systems. This would include long term reliability, inspection, testing and maintenance of such systems.

| SPECIFIC TASKS/RESPONSIBILITIES | DURATION/DATES |
|---------------------------------|----------------|
| | |

I. SUMMARY OF INSTALLATION & INTERVENTION EXPERIENCE: State your personal involvement in installation & intervention. For example installation, commissioning, operation and analysis of major subsea production systems using rig/installation/construction/survey vessels and ROVs/AUVs/divers. This would include subsea inspection, testing, recovery, maintenance and repair techniques.

| SPECIFIC TASKS/RESPONSIBILITIES | DURATION/DATES |
|---------------------------------|----------------|
| | |

J. ADDITIONAL INFORMATION: Provide details of experiences you believe would be of interest, or more fully explain the work itself and your involvement. The object of this section is to assess the extent to which the job was influenced by, and depended on, your own efforts i.e.:

- CEng Application/Dissertation
- Specialist Training
- Papers given/attended
- Mentoring
- Other pertinent subsea engineering experience

K. REFEREES: Relevant to your Subsea experience. Please ensure you have the approval of the Referee as they may be contacted to provide additional information

| | NAME (Company/Position) | ADDRESS & EMAIL | TEL.NO. |
|----|-------------------------|-----------------|---------|
| 1. | | | |
| 2. | | | |
| 3. | | | |