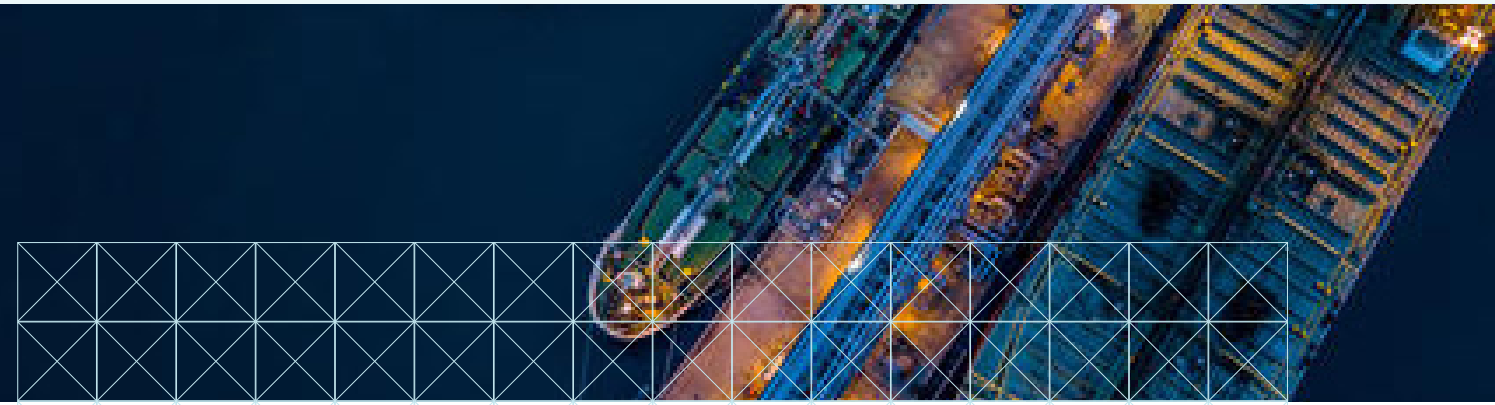


# TUG OPERATIONS



KONGSBERG



## COURSE DESCRIPTION

The course shall give the participants simulator hands-on training in operations conducted during normal and heavy weather, as well as in handling of incidents, were company specific contingency plans are used.

### LEARNING OBJECTIVE

This course aim to meet the following overall learning objective(s):

- Establish good knowledge of tug operation elements in general
- Practice good communication between tug and assisted vessel
- Obtain good knowledge of tug design, equipment, abilities and limitations
- Establish good skills in use of various tug manoeuvring modes

### TARGET GROUP

Master and deck officer occasionally or regularly participating in tug boat operations.

### ENTRY REQUIREMENTS

In service as tug boat deck officer at management level.

### COURSE CONTENT

Harbour assisting operations:

- Standard harbour assisting methods
- Handling small vessels
- Making fast at speed
- Normal and strong external forces

Escort tug operations:

- Characteristics of tug
- Indirect and direct modes
- Operation of tension winches
- Procedures and checklists
- Co-operation and communication

Emergency towing operations:

- Station-keeping during connection
- Connection and towing in normal and heavy weather
- Towing in narrow and shallow waters
- Loss of towing connection
- Connection close to dangers or shore

### LEARNING PROCESS

The course consists of totally 18 theoretical lessons and 14 selected simulator exercises. Participant learning progress assessed by concurrent evaluation during both theory sessions and simulator exercises.

DURATION: 30 Hours

NO. OF PARTICIPANTS: Maximum 3

LANGUAGE: English if not otherwise agreed.

### ASSESSMENT

The participants knowledge will be tested by Kongsberg Maritime's assessment system.

### CERTIFICATE

Certification of attendance will be issued upon successful completion of the course.

## BOOKING & INFORMATION

[www.km.kongsberg.com/training](http://www.km.kongsberg.com/training)

## TERMS & CONDITIONS

All training to be provided by KONGSBERG is subject to customer's acceptance of the KONGSBERG Terms & Conditions for Training.