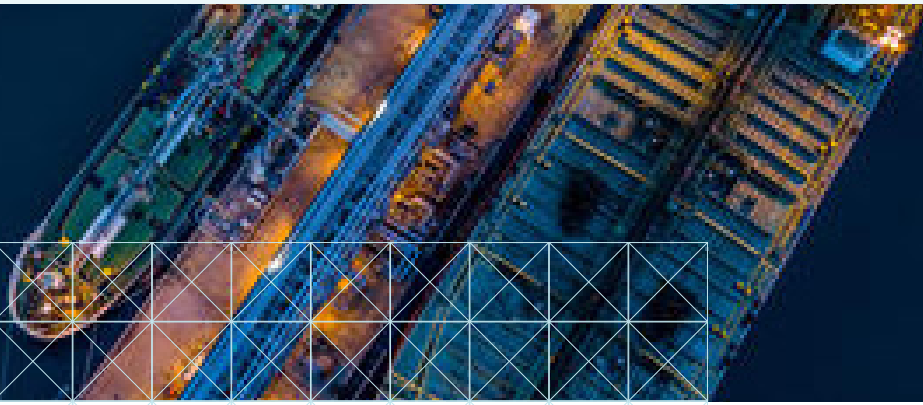


# OFFSHORE LOADING

## SPREAD MOORING/DIRECT LOADING



KONGSBERG



### COURSE DESCRIPTION

#### LEARNING OBJECTIVES

The purpose of this course is to give a detailed knowledge of the Kongsberg Spread Mooring/Direct Loading software and is beneficiary to all Shuttle Tanker operators operating in Brazilian and West African waters.

The Spread Mooring offloading system is the most common used offloading concept in the world today

- The main philosophy in the Spread Mooring/ Direct Loading course is to generate a safe and user-friendly environmental operation
- Establish a seamless transition between modes, to avoid sudden high thruster forces
- Minimize the need for activating/deactivating reference systems
- Automatically set up and enable functionalities as focus areas
- The course will identify safety barriers within the DP Software that prevents the operator from doing mistakes
- Minimize the carbon footprint by utilizing the Weather Vane principle with FSU position function and bow rotation

#### TARGET GROUP

Masters, Chief Officers and Junior Officers employed on DP Vessels as Navigators/DPOs

#### ENTRY REQUIREMENTS

Offshore Loading experience.

#### CONTENT

The latest development of the Kongsberg Spread Mooring/Direct Loading software functionality such as

- Familiarization with the new DP Software

- The various modes in the DP software
- Approach mode with approach setpoint radius and heading envelope
- Pickup mode
- Weather vane with bow rotation
- Safety barriers built into the DP software

#### LEARNING PROCESS

The focus area for the course is to demonstrate and train on all new functionalities in the Kongsberg DP software used for a Spread Mooring/Direct Loading operation.

#### DURATION

12 hours

#### NO. OF PARTICIPANTS

Maximum 3

#### SPECIAL INFORMATION

References:

- Equinor competence requirements for Shuttle Tanker Personnel, WR2394
- OGUK Tandem Loading Guidelines Volume 1
- Altera competence requirements, SP 0961

#### LANGUAGE

English if not otherwise agreed

#### 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.