

# SIS and EM Operator



KONGSBERG

## LEARNING OBJECTIVES

After the course, the successful participants can:

- Explain the basic principles of the EM system
- Demonstrate the skills to successfully operate the system
- Perform system tests
- Display data for real time monitoring
- Perform preventive maintenance
- Conduct troubleshooting

SIS and EM Operator

## Course description

### Target group

Surveyors and operators using SIS & EM multibeam systems

### Entry requirements

Basic acoustic knowledge is advantageous

### Content

- Multibeam echosounder principles & construction
- Start-up (Creating surveys, projection)
- Real time displays (Layout, setting & operation)
- Applying sound velocity profiles and use of the sound velocity editor
- Runtime parameters and their effect on the data
- Installation menus and importance of correct setup
- Backup of configuration
- Calibrating a multibeam echosounder
- BIST (Built-In-Self-Tests)
- Replaying data
- Planning module (geospatial formats)
- Helmsman display
- Software installation and release note

### Learning process

Classroom training will be a combination of theoretical lessons and practical exercises. The participants will use desktop computers with standard SIS Software for simulation exercises. If the course is set up in Horten, it will include one day training on our vessel.

### Duration

30 hours (5 days)

### Number of participants

Maximum 8

### Special information

A theoretical assessment is conducted on the last day

### Language

English if not otherwise agreed

### Duration

30 hours (5 days)

### Certificate

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

### Booking and information

[Customer training website](#)

### Terms and conditions

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