

Orca WATS

Overview

The Orca WATS course will teach you how to configure and operate the WATS features within the Orca system. The course provides an overview of the full WATS functionality of Orca, and through a hands-on approach utilising real-world data, provides a practical and real-life experience in the operation of Orca WATS. The course will also provide instruction in coverage issues and infill analysis for WATS. The course will provide detailed lectures on the theory behind WATS acquisition and how to apply this effectively in the field. Due to the Multi Vessel nature of WATS surveys, an emphasis will be placed upon the safety aspects of Multi Vessel operation, including line turn planning and execution.

Duration

A three day course primarily held at our Edinburgh training facilities. (09:30 ~ 17:00)
The course may be held at client premises, provided suitable facilities are available.

Who should attend

Navigators new to the industry with little or no experience of WATS surveys, or others currently working in the seismic industry wishing to gain an understanding of the day to day operations of WATS and WATS acquisition methods.

Objectives

The course will provide the skills and knowledge to acquire high quality WATS data using Orca.

Prerequisites

It is expected that the attendees should have some basic knowledge of geodesy, survey navigation and marine seismic operations. Knowledge of Orca operation is recommended.

Teaching Methods

The course will be a mixture of lectures and practical sessions. Hands-on experience and practice time will be given at every available opportunity.

On completion of the course delegates will be able to

- Understand the theory behind WATS surveys
- Understand the WATS preplot
- Understand how to use this knowledge to acquire high quality WATS data in a safe manner
- Effectively analyse coverage and plan for infill

Course Content

WATS Overview

- Introduction to WATS acquisition
- Overview of WATS functionality in Orca

Orca

- Understanding WATS preplot
- Import and QC of WATS preplot
- Creation of Multi Vessel survey
- Configuration of Orca for Multi Vessel WATS surveys
- Correct WATS configuration on Orca displays
- Safe line turn planning
- Simultaneous monitoring of all vessel positions
- Setup and monitoring of real time binning using separate displays
- Early, effective planning of steering manoeuvres for WATS coverage
- Planning and acquiring WATS infill

Basic Troubleshooting

- Common errors and problems during WATS acquisition