



Sonardyne continues to be the world's most popular provider of Long Baseline (LBL) acoustic positioning systems. Fusion 1 (6G) and Fusion 2 (6G+) provide the most accurate method for installing subsea structures, tracking ROVs and conducting acoustic metrology. As the system utilises a fixed seabed array, the system precision remains the same regardless of water depth. As well as improved conventional LBL calibration methods, Fusion 2 is also capable of indirect ranging or "Fast LBL", significantly improving position updates for mobile

COURSE OBJECTIVES

This course is aimed at people who have attended a Fusion 1 (6G) LBL or Fusion 2 (6G+) LBL Competency course and wish to requalify and retain the competency after the 5 year expiry date. The course comprises a short theory refresher and a tutored practical session on Fusion 1 or 2 LBL using our advanced simulators. This is followed by the Competency assessment which comprises a theoretical knowledge test and an examined practical scenario.

WHO SHOULD ATTEND?

- Hydrographic Surveyors
- Survey Engineers
- Party Chiefs

COURSE TEACHING MEDIUM

The course theory discussions, practical guidance and the accompanying written material are delivered in English.

COURSE DURATION / LOCATON

The course is 1 day in duration.

Locations: Plymouth / Aberdeen / Blackbush / Macae / Houston / Singapore.

Courses can also be run locally at your premises. (Please contact us for more information)

NUMBER OF PARTICIPANTS

Requalification courses are for up to 6 participants.

BOOKING AND CONFIRMATION

Details of dates, locations and current availability of places can be found at the Training Course section of Sonardyne's website: www.sonardyne.com/product/training/

To reserve a place on a course, please email:

training@sonardyne.com

Or contact us via LinkedIn:

<https://www.linkedin.com/company/sonardyne-training>

TRAINING COURSE DELIVERABLES

- Fusion 1 or 2 LBL competency certificate

COURSE SYLLABUS

Theory refresh and assessment

- LBL equipment configuration
- Fusion software set up and operation
- Calibration and QC
- Signal Diagnostics
- Environmental data

Practical operations and assessment

Full LBL scenario including:

- LBL Hardware setup and Configuration (serial and acoustic testing)
- Fusion Software configuration (LBL)
- Baseline Calibration and Boxins (conduct & QC)
- LBL & Fast LBL Tracking (Fusion 2)
- 6G+ Compatt setup and configuration
- Application of Sound Speed Profiles, Tidal Variation and Environmental Factors
- Tracking Diagnostic Tools (travel times)
- Application of Geodesy, Convergence and Scale Factor
- Troubleshooting and Support procedures