



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 theory refresher sent as pre-learning material and a remote access practical session on Fusion 1 or 2 LBL using our advanced simulators. The Competency assessment comprises a theoretical knowledge test and an examined practical scenario.

WHO SHOULD ATTEND?

- Hydrographic Surveyors
- Survey Engineers
- Party Chief

COURSE TEACHING MEDIUM

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

COURSE DURATION / LOCATON

The course is completed in one 2.5hr online session.

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

This will be a 1-to-1 online session.

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 issued on successful completion.

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)
 - 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