

**Reference No**

006/185

**Duration**

5 Days

**Location**Submarine  
School,  
HMS RALEIGH**IELTS**

6.5

**Frequency**One course  
per year

# BASIC LOW FREQUENCY ARRAY (LOFAR) ANALYSIS

**AIM OF COURSE**

To train sonar rating the rudiments of LOFAR sonar analysis

**OUTLINE SYLLABUS**

- ◆ DEMON and LOFAR principles
- ◆ Calculate blade and shaft data
- ◆ Cylinder Firing Rate (CFR), Crankshaft Rate (CSR), Engine Firing Rate (EFR), number of cylinders
- ◆ Diesel harmonics/reduction ratios
- ◆ Turbine rates/harmonics/reduction rates
- ◆ Auxillares, transients and torpedoes
- ◆ Make contact classification assessments

**REMARKS**

Students should be aware that some parts of the course will contain self taught computer based training packages (in English Language only).