



## Thales Underwater Systems Limited - Hunt Class Mine-Hunter IETM Data Modules Contract

Pennant was awarded a contract, by Thales Underwater Systems Limited, to supply data modules for the Sonar 2193 Interactive Electronic Technical Manual (IETM). This contract followed the successful implementation of Operator and Maintainer CBT courseware and draws on the material generated for the CBT thereby yielding overall project cost savings.

The original CBT contract was to provide two training suites, associated courseware for maintainers and operators of the 2193 Sonar and the Nautis 3 Command Systems being fitted to the Hunt Class Mine Hunters as part of the mid-life update programme.

The Operator CBT enabled students to undertake self paced learning on the capabilities and operating procedures of the new systems prior to undertaking real time scenario based team training in a simulator known as the Command and Operator Trainer. Following this training, operators were qualified to operate the on-board equipment. The Maintainer CBT suite was used for both conversion and initial training on the new equipment types before maintainers join Hunt Class for the first time. The nature of the new equipment requires a very different approach to diagnosing and rectifying system faults. The CBT modules taught the use of the Built-in Test facilities and tested the students' understanding of the systems and how to maintain them.

The additional contract for Sonar 2193 IETM Data Modules was awarded to Pennant on the basis that, having produced the graphical design and illustration for the CBT courseware, there was significant data object re-use, and associated cost savings to be obtained from this approach. Pennant was uniquely qualified to undertake this work and has now been awarded three tranches of data modules with the expectation of further work to follow. The data modules are compliant with the AECMA 1000D standards and are being assembled into the IETM at the Templecombe site.

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