



## Independent Safety Advice

**SEA provides Independent Safety Advisor (ISA) support services to MoD's Lynx Project Team. Our work addresses both the in-service Lynx and the AW159 Wildcat.**

In late 2009, SEA conducted an independent safety review of the Equipment Safety Management Plan (ESMP) in use on the in-service Lynx. The ESMP encompasses all the safety-related activities concerned with this helicopter type.

The audit was carried out by reviewing available documentation and conducting interviews in order to establish the suitability and accuracy of the ESMP information in relation to the safety activities associated with in-service Lynx.

For the Wildcat programme, four safety audits have been conducted to date (end of 2009). The audits spanned the entirety of the Safety Management Systems employed on the programme and complied with Def Stan 00-56. The safety audits provided assurance to the Duty Holder and other stakeholders that safety is being managed effectively and complies with regulations and legislation. The audits were undertaken independently of the contractor's internal audit process and considered two variants of the aircraft, the Surface Combatant Maritime Rotorcraft (SCMR) and the Battlefield Reconnaissance Helicopter (BRH).



The scope of the audits was to:

- review any updates to the input documents;
- audit the Lynx PT and the Prime Contractor's Safety Management Systems and safety-related activities;
- audit for compliance with specific standards;
- check that the safety requirements were being adequately specified and that they appropriately influenced the system design and the evolution of the operating and maintenance limitations;
- audit the hazard analysis process and the management of the hazard log;
- audit the construction of the aircraft safety model and the interpretation of the root probabilities used to quantify the initiating events;
- issue a draft annual Audit Report for IPT review.