



“Harmonic’s proven and consistent approach delivered reliable performance to a complex programme”

Rotary Wing Engineering and Asset Management (E&AM) Convergence Programme

The multiple bespoke E&AM systems. Supporting aircraft across the Military Air Environment, resulted in a number of similar systems in use in different areas, and some significant gaps in coverage:

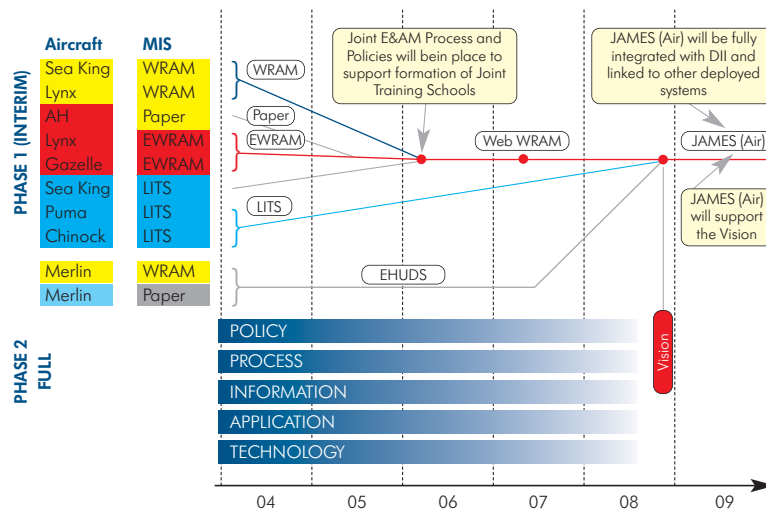
- Most RAF Fixed Wing aircraft and the RAF-operated Rotary Wing (RW) fleets (Puma, Chinook and Search & Rescue Sea Kings) were supported by LITS EPMS
- Fleet Air Arm used WRAM (Work Recording and Asset Management) for its RW fleets, with the exception of Merlin, which was being migrated to EHUDS
- The Enhanced Health and Usage Diagnostic System (EHUDS) was being developed as a ‘paperless’ system for Merlin, with integrated HUMS (Health and Usage Management) and IETP (Integrated Electronic Technical Publications) functions
- Army Aviation was migrating from paper records to WRAM (a modified interim version), beginning with the Lynx and Gazelle fleets, but with E&AM support for the Apache undecided

The diverse and complex nature of the E&AM support picture was recognised and the need to meet emerging requirements in a coherent and convergent manner became the driver for the Rotary Wing E&AM Convergence Programme.

The programme strategy was developed in conjunction with MoD senior managers responsible for E&AM support. The delivery strategy evolved over time as individual requirements for change emerged and were developed into realisable projects, each of which was governed and delivered within the Convergence Programme using PRINCE2.

A major MoD objective was to achieve greater coherence of E&AM solutions across all rotary wing aircraft. Working towards this objective, Harmonic examined the options to reduce the number of systems operated by the Front Line Commands, to bring all RW fleets to a common point, thus facilitating the transition to, potentially, a single system.

Rotary Wing Process, Policy and MIS Convergence



The Benefits

Delivery of the Rotary Wing E&AM Convergence Programme had the ultimate aim of reducing the number of E&AM systems in use, but it also:

- Provided Army Aviation with a single system, with its associated airworthiness and safety benefits
- Brought 75% of RW assets on to a single system, allowing retirement of paper-based MI systems
- Promoted a common 'look and feel' between systems as part of a customer- and user-focused development
- Reduced cost of ownership of the Rotary Wing fleet

The Rotary Wing E&AM Convergence Programme achieved more aircraft on fewer, better systems – a significant contribution to wider Rotary Wing transformation objectives.

For more information about how Harmonic can assist across the programme lifestyle contact: Harmonic Limited, The Hatchery, Eaglewood Park, Ilminster, Somerset TA19 9DQ Tel: 01460 256 500 Email: enquiries@harmonicltd.co.uk www.harmonic.co.uk