

# INITIATIVE SUPPORT DU7000

## **Thomas Electronics of Australia News Release** Setting the Standard in Avionic and Special Display Systems



### **Thomas Electronics, the viable support alternative for B747-400 operators**

Thomas Electronics of Australia (TEOA) has, over the past five years, evolved to become a significant vendor specialising in the support of cockpit display units for major airline operators. This industry segment has traditionally been dominated by the avionic OEMs. However, since the year 2000, TEOA has continually developed capabilities to provide cost effective support

alternatives for a range of display units.

A significant milestone in this initiative occurred in November 2003 when TEOA received joint CASA/FAA approval of a repair scheme for the DU7000 CRT assembly onboard the Boeing 747-400. In 2002 and 2003, this support alternative was trialled by a number of B747-400 operators in simulator use and was first introduced to routine flight service in May 2003 by a major Asia-Pacific carrier. Since receiving the CASA/FAA approval in 2003, the TEOA alternative has been accepted by a significant number of B747-400 operators in North America, Europe and the Asia-Pacific as a cost-effective, long-term support solution for the DU7000 display system. There are currently more than 300 of the TEOA supported DU7000 units in operational flight service.



TEOA is committed to the long term support of the CRT display units onboard all commonly used aircraft models and is developing additional repair schemes which will be added to our current approved capability list.

Thomas Electronics of Australia wishes to thank our airline clients for their continued support and technical advice which has resulted in the continued improvement of our products and services.

# DU7000 SUPPORT INITIATIVE

## Background Information

- Rockwell Collins has issued notice to B747-400 operators that the DU7000 CRT Assemblies (P/N 687-9774-002) will not be supported past 2006/2007.
- In 2003, TEOA provided a number of major airlines with overhauled DU7000 CRT assemblies for simulator use, which proved to be indistinguishable from the original unit in simulator operations.
- TEOA-overhauled DU7000 CRT assembly uses an equivalent CRT, similar to that used in the original, meeting Arinc "D" size form factor, and is certified for avionic use.
- In 2003, TEOA completed external laboratory testing to demonstrate compliance with RTCA Environmental Test Specifications (DO-160D).
- These independently-tested units have demonstrated excellent reliability in thousands of hours of service in both simulator and operational flight service.
- The overhauled CRT assembly is refitted to LRU using OEM procedures and passes full Collins ITS-700 "Return to Service" test requirements.
- In May 2003, a major Asia-Pacific B747-400 operator commenced using TEOA-overhauled DU7000 units in routine flight operations.
- Currently, there are more than 300 units of TEOA-supported DU7000 units in flight operation. The solution is utilised by over 10 international clients including major B747-400 operators in North America, Europe, Asia and Australia.
- Thomas Electronics of Australia has obtained regulatory approval for overhauled DU7000 CRT assemblies from Australian CASA, United States FAA, China CAAC and European EASA.
- Thomas Electronics of Australia is committed to a 10-year support period with end of life purchase of CRTs or in-house manufacturing after the CRT manufacturer ceases production.

### Certifications

FAA – US Federal Aviation Administration – FAR –  
145 Repair Station – Certificate No.: T16Y1690

EASA – European Aviation Safety Agency – Part 145  
Approved Maintenance Organisation  
Certificate No.: EASA.145.0311

CASA – Civil Aviation Safety Authority (Australia)  
Certificate No.: 2422

CAAC - General Administration of Civil Aviation of  
China - Certificate No.: F06100387

ISO 9001:2000  
Certificate No.: AU98/1062

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