



Increase recording power with the 3254D EAFR.

GE Aviation is a world leader in the design, development, and production of highly capable, reliable solid-state crash survivable Cockpit Voice and Flight Data Recorder systems. The Model 3254D series of flight recorders is the first in the world to fully comply with the new ARINC 767 standard and to satisfy the latest FAA regulations effective 7 April 2008. The Model 3254D recorders are certified to the new EUROCAE ED-112 and FAA TSOs:

- TSO-C123b – Cockpit Voice Recorder Equipment
- TSO-C124b – Flight Data Recorder Systems
- TSO-C177 – Datalink Recorder Systems

Operating with a Recorder Independent Power Supply (TSO-C155) and Cockpit Area Microphone the recording system meets requirements for 10 minute battery backup of voice recording. The recorder is also capable of Cockpit Image Recording in accordance with TSO-C176 and ED-112.

Flight Data Acquisition Function

The flight recording system is an integral part of an avionics system in terms of data flow, data configuration, and functional compatibility. The EAFR has a built in Flight Data Acquisition Function to extract data from the aircraft network. The overall architecture and supporting toolsets allow the recording functions to be configured directly by an Original Equipment Manufacturer (OEM).

Ground Support Equipment

GE's extensive toolsets minimize the cost of configuring and operating recorder systems:

- Download and real time display is accomplished with a PC running a web-browser and needs no special software
- Recorder configuration is performed by the OEM using a PC based tool to select:
 - Sources, messages, parameters, validation, conversion
 - Data storage
 - Processing algorithms, events, exceedance checks
- Replay, analysis and animation



EAFR 3254F Technical Specifications

Physical Characteristics

Height	150.11 mm (5.91 in.) max
Width	128.52 mm (5.06 in.) max
Length	242.544 mm (9.549 in.) max with ULB
Weight	9.0 lbs. max
Mounting Information	4 captive screw fasteners
Cooling	Passively cooled - free convection

Interfaces

Full duplex ARINC 664 part 7

100BaseT Ethernet

Power Requirements

Operating Power +28 VDC (20.5 W max)

Certification

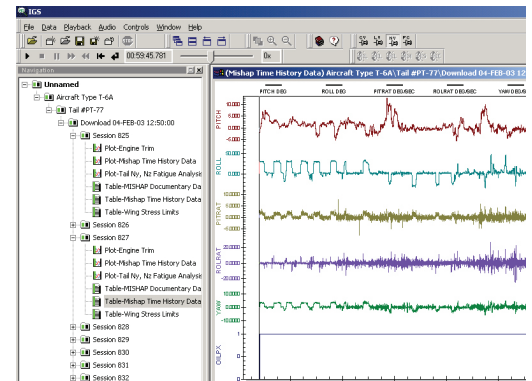
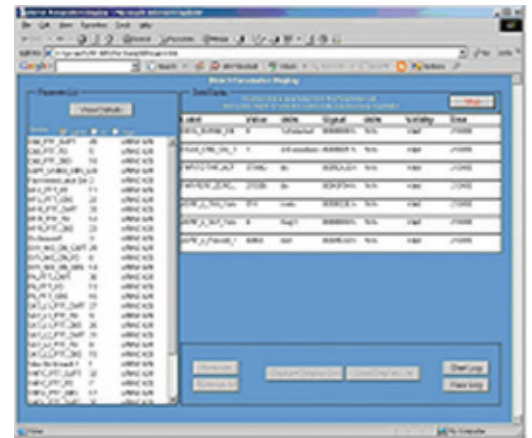
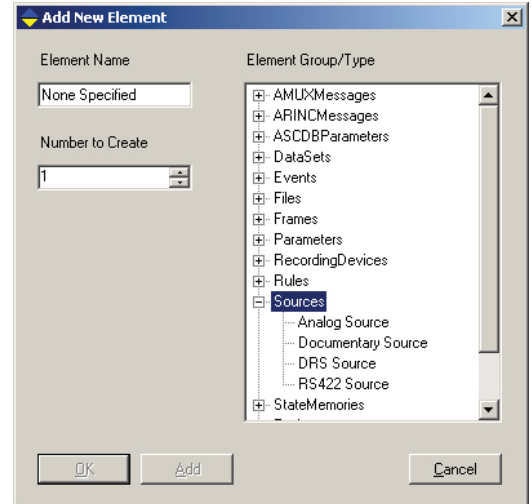
FAA TSO TSO-C123b, TSO-C124b, TSO-C177

EUROCAE ED-112

Qualification

Software RTCA DO-178B

Environmental DO-160E



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