L3HARRIS®
FAST. FORWARD.

READ OUT SUPPORT EQUIPMENT (ROSE) SOFTWARE

Download flight data recorder (FDR) logs for data analysis and return-to-service testing

ROSE software provides a reliable and time-tested solution for maintenance teams to download data quickly. It enables conversion of raw flight data to engineering units, enables creation or modification to aircraft databases, and provides live FDR monitoring capability for analysis and reporting capability.

The versatility and features of the software allow operators to create and generate regulatory serviceability reports and perform flight data within ROSE, or operators can attain more sophisticated Flight Data Monitoring (FDM) and Flight Operations Quality Analysis (FOQA) from L3Harris data analytics services. Key features include:

> Flight data is retrieved directly from the recorder, from a memory card or the disk data file.

> It supports L3Harris F1000, FA2100, FA5000 and SRVIVR25** flight recorder models using ARINC 542*, 573, 717 and 747 standards.

> Rose can provide a 'pass' or 'fail' result and displays the current recorder status for select models. In addition, when used with the Recorder Interface USB ("RUFS"), simulated data patterns may be output as test data to be monitored and recorded on the flight recorder.

*ARINC 542A RTS are not applicable

** ROSE does not directly connect to SRVIVR25. Download the data from the SRVIVR25 using the Recorder Data Interface (RDI) and import the files to ROSE.

DISCOVER MORE:

www.L3Harris.com/avionics

KEY FEATURES

> Download FDR files
> Create aircraft-specific database parameters
> Converts raw values to engineering units
> Customized graphs, tabular reports data decompression
> Flight data collection
> Recorder status query
> Database control
> Customer configured data report display
> Data archive and export
> Recorder testing
> Export to .CSV

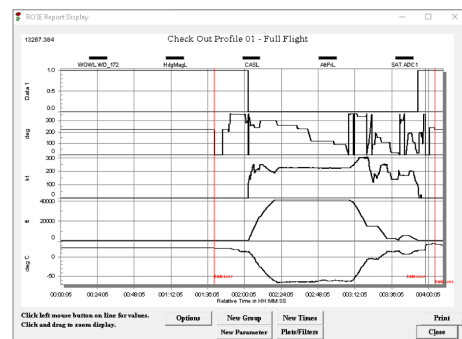# ROSE RECORDER INTERFACE SOFTWARE

REPORT GENERATION AND ANALYSIS

> Recorder data analysis and display allows alphanumeric, graphical or a combined presentation of parameter data.

> Eight different plot styles are available for selecting and displaying of recorder flight data.

> Parameter display groups may be created and used for quick report creation.

> Data may be filtered or processed before displaying. Users can define up to six parameters and conditions to locate specific events within the flight data.

> Users can save processed data values to a file, for printing and exporting in text with comma delimiters, graphical bitmaps or metafile formats.

AIRCRAFT CONFIGURATION DATABASE DEVELOPMENT

> Each aircraft configuration is stored in a ROSE database and made available for import or export to and from other ground support systems.

> Automatic import conversion is performed when transferring from existing GS/2 and Excel configuration files.

> Aircraft configuration information is protected with advanced user login restriction levels for customized security modes.
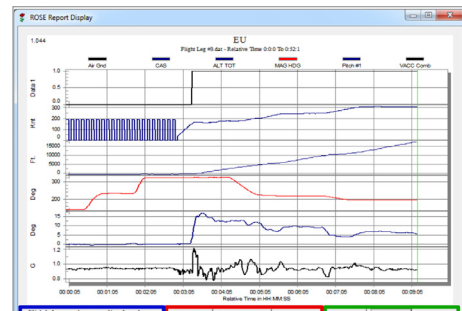
L3HARRIS DATA ANALYTICS SERVICES

> L3Harris provides a secure web-based platform using industry-leading patented algorithms and global support for FDM, FOQA, safety management analysis and Readout Services using the exported or raw FDR, CVR and DLR files.

> Express Readout services provide cockpit voice, flight data and data link recorder certifications, and intelligibility reports using a modernized solution that delivers basic or enhanced reports. These solutions are available for any platform, and any recorder, including 25-hour cockpit voice recorders.

> Flight Data Connect provides a fast, accurate recreation of flights in graphical and 3D formats with specific, actionable insights generated by statistical models for FOQA. Customers can upload their data and benchmark their operations to validate operational safety aligned to their defined standard operating procedures and against a global database of over 24 million flights.

Flight profile screen

Converted engineering unit data

Reports screen

Express Readout trace parameter check

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1025 W. NASA Boulevard
Melbourne, FL 32919
t(800) 253-9525 | (616) 949-6600
L3Harris.com/avionics