HELICOPTER FLIGHT DATA MONITORING
Quick Start Guide

1. EQUIP!
• Choose an HFDM capture strategy – and install it.
• There are affordable camera-based systems and parametric data recorders.
• Get pilots, maintainers, and management involved.

2. CAPTURE DATA
• Record as much and as often as you can. Every flight is best.
• Ideally, a wide scope of parameters is recorded across your fleet, and the data is stored securely.

3. ANALYZE YOUR DATA
• Regularly review your data.
• There are many tools & service providers available to detect events of interest, exceedances, and characterize flight ops.
• Widen your perspective by participating in programs that analyze data from many operators, such as Rotorcraft ASIAS.

4. NOTE AREAS OF CONCERN
• Document what you find during your analysis.
• Define areas that need improvement: changes to your training, SOPs, checklists as well as maintenance practices, dispatch, and management strategies.

5. TAKE ACTION!
• Attack your risks. Make changes that support improvement and the growth of your safety culture.
• HFDM can reduce your unscheduled maintenance and reduce your operating costs.

6. MONITOR IMPROVEMENT
Evaluate changes made over time and continue to perform steps 2 thru 6 on a regular basis.

Most Critical Step!

ushst.org
HELICOPTER FLIGHT DATA MONITORING (HFDM)

Quick Start Guide

Capture Data

Monitor Performance of Mitigations

HFDM PROCESS

Analyze Data

Take Proactive Measures

Document Areas of Concern (events or trends)

ASIAS/CFR FDM INFO

R-ASIAS

135.607 HFDM

HFDM RECORDER EQUIPMENT

APPAREO

EIT AVIONICS

RUGGED VIDEO

HFDM ANALYSIS TOOLS & SERVICE PROVIDERS

BALDWIN

HELIANALYSIS

L3HARRIS

TRUTH DATA

HFDM AND RELATED SAFETY RESOURCES

VAST

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