

INTEGRATION OF A LIGHTWEIGHT & CRASH PROTECTED VOICE AND FLIGHT DATA RECORDER

LIGHTWEIGHT & CRASH PROTECTED VOICE AND FLIGHT DATA RECORDER (CVFDR) INTEGRATION

IN SMALL AND MEDIUM HELICOPTER

The [new EU regulation 2019/1387](#) requires that all aircraft with turbine engines over 2.25 tons, which includes small and light aircraft, must carry a flight recorder that complies with the ED-155 directive [from 2022 onwards for newly built helicopter](#).

The [SferiRec® Lightweight and Crash Protected Voice and Flight Data Recorder](#), with recording functions for sound, flight data and video in one housing and weighing just 1 kg, is the right answer to these requirements.

SPAES offers a [one-time opportunity](#) in acquiring the CVFDR under [special conditions](#). That includes the Supplement Type Certificate (STC), the product itself and the installation in the helicopter.

The first type STC is planned for the [H125 helicopter](#) where SPAES has prepared the installation and approval documentation.

This [STC package](#) includes the [free SferiRec Lightweight Crash Recorder 100](#) and a [reduced STC price](#). During the STC process, SPAES works closely together with the installation team. Further STCs for other helicopters like [Airbus H135](#), [Bell 505](#), [Robinson R44/66](#) or other types can be developed based on demand.

The [SferiRec® Lightweight CVFDR](#) is a [Combined Voice and Flight Data Recorder](#) with a modular architecture, whereas solid state memory technology will be applied to store audio, data link and flight data on an [integrated Crash Protected Memory Module \(CPM\)](#).



Details

The HENSOLDT SferiRec[®] CVFDR weighing only 1 kg/ 2.2 lbs:

- Combines into a single box all acquisition and recording functions: cockpit voice and image data, flight data and Crash Protected Memory (CPM) that were previously spread across different devices
- Integrates its own internal sensors: area microphone, 3-axis gyroscope and g-sensors, air pressure and temperature sensors, GPS receiver
- Offers a Quick Access Recorder (QAR) via SD Card
- EASA (E)TSO-2C197 certified (meeting ED-155 / RTCA DO-178, D-254, DO-160 requirements)



Profit from this special offer, call us now!

About SPAES

You require the installation of new mission equipment or need medical systems for your new mission profile – we have the right solution for your demands.

By cooperating with renowned partners from the aviation industry and companies in air rescue, we design and manufacture tailor-made products for your applications. Whether fiber composite, metal or avionics, we implement your requirements from the idea to the finished product for you in our EASA Part 21J Design Organization and Part 21G Production Organization.

We are specialized in the following areas:

- Mission Equipment
- Medical Systems
- Engineering
- Manufacturing



SPAES GmbH & Co. KG

Greschbachstraße 29, 76229 Karlsruhe, Germany
Tel.: +49 (0) 721 96317750 | Fax: +49 (0) 721 96318273
info@spaes.de | www.spaes.de