

## Facilitators

**Dave Jesse** gained his degree in engineering, after which he qualified as a military helicopter flight test engineer. From there he moved into the world of avionics where he led a group designing helicopter Search and Rescue (SAR) autopilots. Joining Bristow Helicopters, he designed the first Health and Usage Monitoring Systems (HUMS) to improve the safety of offshore operations. He moved with the HUMS product to BAE SYSTEMS, becoming Chief Systems Engineer for their flight data group.

Dave formed Flight Data Services (FDS) in 2000 to provide Flight Data Monitoring (FDM) services to aircraft operators worldwide. Dave is also CEO, Flight Data Services Ltd in the United Kingdom and Director, Asia Flight Data Services in Singapore.

Dave brings an open, collaborative approach to business and to his training sessions based on 40 years of experience in the field. As a result, Flight Data Services (FDS) have teamed with many companies such as Rolls-Royce, IATA, and SkyTrac, who use FDS' expertise to enhance services to their customers. Today, FDS process thousands of flights per day for hundreds of customers around the world.

Dave will provide a fun learning environment where students can learn and strengthen their knowledge, understanding and application of flight data monitoring in relation to their daily job responsibilities.

## Course & reference materials

Participants will each be issued with course materials. The materials will enable further self-study by the participants.

## What will be expected of participants?

The AviAssist Foundation implements high quality training programmes. Participation is key to any successful training programme. Upon attendance of **100%** the course, participants will be issued a joint AviAssist Foundation - FDS Certificate of Completion.

## About the AviAssist Foundation

The AviAssist Foundation is an independent, international, and impartial non-profit that exists to champion the cause of aviation safety in Africa.

It realises its incredible rates for events through the support of its partners & sponsors and the deployment of professional volunteer instructors and experts, making world-class continuous professional development accessible to the African aviation industry.

AviAssist is powered by among others:



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## Flight Data Monitoring Course



**17-18 September 2018**

**Kigali, Rwanda**

In co-operation with:



## Course background

Despite having an enviable safety record, the aviation industry is under constant pressure to drive down accident rates. Flight Data Monitoring or FDM, also known as flight data analysis or FDA, helps operators and pilots learn the lessons of their next accident before that accident has a chance to occur.

Under standards introduced by ICAO in 2005, FDM became mandatory for most operators of larger aircraft. With 'glass cockpits' starting to provide opportunities for data capturing on-board smaller aircraft, FDM is now also coming to the world of Cessna Caravans & Jetstreams.



## Course overview

Analysis of flight data allows safety managers to identify trends and fully investigate the circumstances behind minor incidents so that operational procedures and training can be improved, along with raising awareness of safety issues within the company.

Whether you are new to the world of FDM and would like to learn more or you have a full FDM plan implemented in your organization, this 2-day course

will help you establish, enhance, and improve your program.

This unique in-region course will provide you with a solid appreciation of the technical, operational, management and legal issues surrounding FDM. It will prepare you for your next career move.

The course is organized by the AviAssist Foundation in cooperation with Flight Data Services (FDS) for the provision of this course. FDS is one of the leading providers of services and expertise in the field of FDA and the custodian of Flight Data Connect. Flight Data Connect is the FDA service brought to the airline industry jointly by IATA and Flight Data Services.



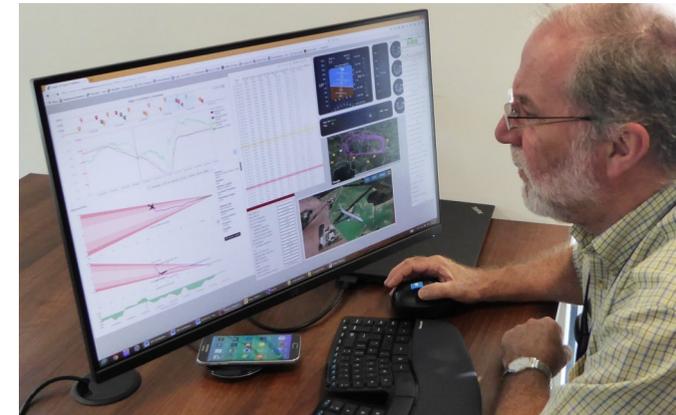
## Target audience

Subject matter and speakers ensure the course's relevance to novice and expert alike. Intended participants include FDM analysts, flight safety officers, aircrew representatives, regulators, aircraft maintenance experts and accident investigators.

## Course content

Course topics include:

- The international framework of FDM (ICAO etc.)
- How does FDM work?
- Fitting out the aircraft and data transfer
- Recorded, not recorded & computed parameters
- Looking at flight data
- Flight Safety Events
- Statistics
- Interviewing crews
- Flight data visualisation
- Case studies



## Course deliverables

The course will be delivered in a series of lectures, combined with interactive discussions and case studies as well as a live session on an FDM application. An active role of the participants will be required and facilitated to create a strong connection between the topics and their daily work environment.

Participants will be subscribed to the Foundation's magazine SafetyFocus to support the understanding and application phase of their learning as well as widen their appreciation of aviation safety issues and motivate them in their work.