A collaboration for safety from Flight Data Services and IATA

World leading flight data analysis service
The International Air Transport Association (IATA) is the trade association for the world’s airlines, representing some 265 airlines or 83% of total air traffic. They support many areas of aviation activity and help formulate industry policy on critical aviation issues.

Flight Data Services are the largest dedicated provider of Flight Data Analysis (FDA) incorporating Flight Data Monitoring (FDM) and Flight Operations Quality Assurance (FOQA) and are committed to advancing aviation safety through the innovative use of flight data.

What is Flight Data Connect?

Flight Data Connect is the Flight Data Analysis (FDA) service brought to you by Flight Data Services and IATA. This world leading Flight Data Analysis service lets you connect to the IATA Flight Data eXchange (FDX) program to see how your data compares with an FDX benchmark*. With Flight Data Connect operators can benefit from:

- Advanced Flight Data Analysis tools making it easy for you to identify safety issues
- Service and support from an office in your time zone
- You can join the integrated FDX program to support IATA’s advocacy work
- You can benchmark against the FDX database*

The collaboration between Flight Data Services and IATA has a simple vision:

To improve aviation safety by connecting the best analysis tools to more flight data across the world.

*Requires membership in the IATA FDX program.
Flight Data Connect

The Flight Data Analysis Service with a difference - a proactive approach to flight safety

Flight Data Analysis is the process of examining flight data to improve and monitor operational safety. Implementing Flight Data Connect will allow you to compare actual flight measurements taken from “black box” data against your Standard Operating Procedures (SOP’s). This safety critical insight provides essential feedback, highlighting any occurrences where safety may have been compromised so you can implement corrective actions. Flight Data Analysis forms a key element of your Safety Management System (SMS) allowing you to identify, quantify, assess and address risk factors.

Implementing Flight Data Connect will ensure the following benefits:

- Compliance with International Civil Aviation Regulations
- Identify significant unsafe events and take appropriate action
- Perform trend analysis to highlight safety issues
- Benchmark against the aviation industry
- Focus training in specific areas (evidenced-based training)
- Minimise Aircraft on Ground (AOG) time
- Enhance maintenance trending and diagnosis

Outsourcing is a cost-effective solution for operators of all fleet sizes. It eliminates software costs, reduces training and recruitment overheads and saves routine, time-consuming, data validation.

Flight Data Connect includes everything you need to securely upload your flight data. Within minutes of upload, flight information, details of maintenance exceedances, graphs and visualisations are all available, providing you with the information you need, fast.

For key safety events, flight data analysts from our global safety centres provide an independent and factual view of the events (within one working day). Our dedicated analysts provide you with an extension to your safety team and, where urgent support is needed, are available 24/7.

Flight Data Connect and your dedicated account analyst will give you more time to focus on what matters most - making informed safety decisions.
Flight Data Services has developed the industry’s leading Flight Data Analysis platform with advanced data sharing features, this powers both Flight Data Connect and the IATA Flight Data eXchange (FDX) program.

Flight Data Connect is accessed via a secure browser, meaning there is no software to install and maintain. You can view your flight data on a PC, tablet or mobile device (the only restriction being the size of the display). Connecting you with your data, where and when you need it.

Features with Flight Data Connect:
- Secure and fully automated data transfer system
- Unlimited users with comprehensive control of each user’s access permissions
- Fast data processing - review urgent maintenance issues within minutes of upload
- Web display with interactive graphs, cockpit displays, tabular data and maps
- Interactive statistics let you drill down on your trends
- Benchmarking allows you to compare your safety parameters against other operators* 
- Geographic displays to analyse event clusters
- Built in airport database with take-off and landing weather
- Guest access lets you show crew their own flights
- Optional email alerts to inform crews of events on their flights
- Automated data export to your engine health monitoring system

*Requires membership in the IATA FDX program
IATA Flight Data eXchange (FDX)
The airline industry’s data sharing program

If you want to benefit further from your flight data, then join the only global data sharing program which allows operators to benefit from:

- Identifying safety risks using aggregated de-identified FDA results
- Compare global benchmarking statistics to your own airline
- Identification of risks at new destinations for your airline
- Receive IATA reports on specific topics

FDX for the Operator

FDX allows you to identify flight safety issues by querying a shared, global database holding a wide range of safety measurements. When using the IATA Flight Data Connect program you can directly benchmark safety parameters against the FDX database. Any operator may apply to IATA to join the FDX program, which is free of charge.

FDX for IATA

IATA uses collated FDX data when working with states and authorities to mitigate safety risks and improve flight efficiency. For example, airspace redesigns have been carried out to mitigate the risk of mid-air collisions.

FDX for the Industry

Flight Data Services and IATA encourage all operators to join the FDX program so that, acting together as an industry, we can use the data to develop informed safety improvements and keep pushing the accident rate down.

For more information on FDX please visit:
www.iata.org/services/statistics/gadm/Pages/fdx.aspx
Flight Data Connect
Data Sharing that connects more flight data across the globe

Why should I share my data?

The charts available to FDX participants are fully de-identified, while the charts available to Flight Data Connect customers shows their own data benchmarked against other operators’ de-identified data. This benchmark means you build up a fact-based safety picture. In addition, by joining the IATA FDX program, you help IATA to act on behalf of the industry as a whole. IATA can take action to solve problems at a national or regional level, in a way that a single operator cannot achieve.

Sharing data ensures we work together collaboratively as an industry to improve aviation safety.

Data Security

How secure is my data?

We understand that, for your operation, the security and protection of your data is essential. Transfer of your data uses industry standard encryption to prevent unauthorised intrusion. Our data centres are protected to ISO 27001 standards and all web-applications are encrypted to maintain data security.

To learn more about how we protect your data, visit flightdataservices.com/datasecurity

Example of comparative benchmarking statistics for ‘Airspeed high with flap 20’.
Our collaboration for flight safety

“I am very excited about this new safety collaboration as it paves the way for significant advances in aviation safety on many levels. I share, with my colleagues in Flight Data Services and IATA, a passion for aviation safety. I firmly believe that this safety collaboration will achieve, not just a step, but a real leap forward for safety.”

Dave Jesse
Chief Executive Officer
Flight Data Services

“Safety is the top priority for everyone involved in aviation. Flight data analysis is an invaluable tool in helping to make our industry even safer. This collaboration will not only allow for added service capabilities to individual airlines, but also greater capabilities for analysis of aggregated de-identified FDX data to help IATA address safety issues around the globe.”

Rodolfo Quevedo
Director of Safety
IATA

For more information, please visit:
www.flightdataservices.com
www.iata.org/services/statistics/gadm/Pages/fdc.aspx