



## eESM

---

eESM was designed in cooperation between the aircraft system engineering of Lufthansa Technik AG and Flatirons Solutions. The product is part of Lufthansa Technik's innovative eEnabled Software Management solution also encompassing the certified PDL-Adapter plate and portable data loaders provided by mbs Electronic Systems and TechSAT.

Lufthansa Technik and Flatirons Solutions have been close business partners for over 20 years.

---

Get a complete view of the aircraft software configuration and inventory and reduce logistic costs as well as time-to-aircraft

---

## The Challenge

The increasing amount and complexity of onboard software is forcing a rethink of the way engineering departments of airlines deal with the operational life of the aircraft. They have an increased demand for software configuration control, and at the same time they need to find ways to reduce costs. A state-of-the-art technology to update and upgrade the internal aircraft computer systems is a must-have. The eESM solution is taking them down the right path!

## The Solution

### – eEnabled Software Management

The eESM solution is a feature rich tool keeping track of all aspects related to the aircraft software. Not only does it track software configurations - it also provides the opportunity to store the software in a repository on ground to be uploaded to the aircraft via modern technologies such as portable data loaders.

These can easily be connected using an onboard ARINC 615 connector. Electronic distribution eliminates the need for floppy disks and traditional means of delivery, thereby significantly reducing costs for logistics, data loading efforts and ultimately aircraft turnaround time

- Easy administration and handling of onboard software
- Detailed software configuration report per aircraft
- Web-based application and usage
- Automatic configuration status update according to engineering order progress
- Worldwide access to reports and software repository
- Supports ARINC 665 Media Sets
- Fulfils regulatory requirement for aircraft configuration tracking
- Easy access to historical configuration
- Supports all types of A/C models

## Key Capabilities

### ■ Software configuration administration

eESM provides worldwide access to the most important data relating to the software configuration for each managed aircraft. The tool supports system engineering with powerful features to plan and track software updates and configurations on aircraft-related software.

### ■ Worldwide configuration reporting

The detailed reports state which software parts and versions are installed on which aircraft system and reflect even complex software/hardware relationships of the most modern aircraft. Furthermore the report has special features to support maintenance during trouble shooting.

### ■ Loading history included

For complying with the legal requirements of authorities eESM is able to report the software configuration for any aircraft at any given point of time.

### ■ Easy and secure import, storing and reproduction of aircraft-related software

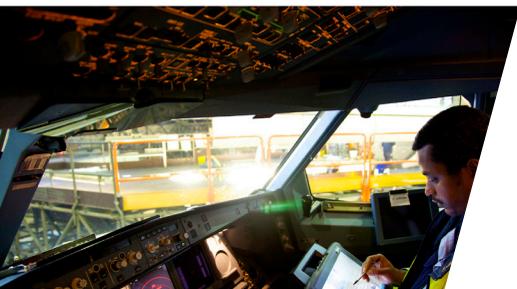
Comprehensive data security mechanisms ensure that software is not modified in any way and data integrity can be guaranteed from import until reproduction or data load. Corrupt media is detected prior to import and on reproduction - saving costs and delays in scheduled maintenance.

### ■ Media management system connected

Featuring a JAVA powered client software eESM is able to import and reproduce various software media. Imported media are stored in the centralized repository and are instantly available for reproduction or data load using portable data loaders at any location worldwide.

### ■ Seamless integration

eESM provides open interfaces for integration into various maintenance information systems as well as a tight integration of portable data loaders.



info@FlatironsSolutions.com  
+1 303 544 0514 (Americas)  
+45 45 94 94 00 (EMEA)  
www.FlatironsSolutions.com

The CORENA Suite from Flatirons Solutions is the leading solution for content lifecycle management developed specifically for organizations that rely on mission-critical data to design, manufacture, operate, or maintain complex assets over product and service lifecycles as well as across their business networks.