

# 737 fmc users guide

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Understanding the Flight Management Computer (FMC) in the Boeing 737\*\*

### **What is FMC in the Boeing 737?**

In the cockpit of a Boeing 737, the Flight Management Computer (FMC) is a crucial system that provides comprehensive flight plans, navigation, guidance, and control throughout the aircraft's operation.

### **What is FMC in the Cockpit?**

The FMC is an advanced avionics system that performs a wide range of tasks, including:

- Storing and managing flight plans and navigation data
- Calculating and displaying flight paths and distances
- Providing guidance and control for the autopilot and other systems
- Displaying flight progress and performance information

### **How do I Get a 737 Type Rating?**

To obtain a Boeing 737 type rating, pilots must complete a specialized training program which typically involves:

- Classroom instruction covering aircraft systems, procedures, and emergencies
- Simulator training for realistic flight scenarios
- Line checks (flights with experienced instructors) to demonstrate proficiency

## **How Many People Can Fit in a 737?**

The seating capacity of a Boeing 737 varies depending on the variant and configuration. Typically, the aircraft can accommodate:

- 126-149 passengers in single-class configurations
- 108-149 passengers in two-class configurations

## **What is the Use of FMC?**

The primary use of the FMC is to enhance flight safety and efficiency by:

- Automating navigation and control tasks, reducing pilot workload
- Ensuring accurate and efficient flight plans and routes
- Providing real-time performance monitoring and guidance

## **FMC Standard For and What is the FMC System?**

FMC stands for Flight Management Computer System. It is a standard component of modern aircraft, including the Boeing 737. The system consists of hardware, software, and databases that work together to perform the various FMC functions.

## **Do Pilots Pay for Type Rating?**

In general, pilots are responsible for the expenses associated with type rating training, which can range from tens of thousands to hundreds of thousands of dollars. Airlines may sometimes offer financial assistance to their pilots for this training.

## **FMC Hours and B777 and B787 Pilot Qualification**

The duration of a 737 type rating training program typically ranges from 30 to 45 hours.

Pilots with a Boeing 777 type rating may not be automatically qualified to fly the Boeing 787. Additional training and a type rating endorsement are typically required for this transition.

## **Largest 737 Operator**

Southwest Airlines is the largest operator of the Boeing 737 worldwide, with over 700 aircraft in its fleet.

## **Avoidable Seats in Boeing 737**

Rows near the lavatories, galleys, and wing exits are often considered less desirable due to potential noise or congestion.

## **Boeing 737 Nomenclature**

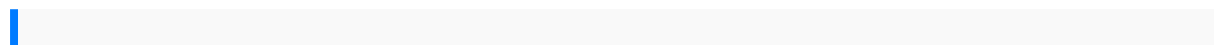
The "737" designation in Boeing aircraft refers to the specific model number within the 700 series of commercial aircraft.

## **FMC Compliance and Inspection**

FMCs must comply with regulatory standards to ensure proper functioning and safety. Regular inspections and maintenance are essential for FMC compliance.

## **FMC in Airport and FMC Meaning in Maintenance**

FMCs are commonly used in airport ground operations to manage flight plans and navigation data. In maintenance, FMC refers to the Functional Mock-up Interface, a diagnostic tool used to test aircraft systems before installation.



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