

Faa Approved B737 Flight Manual

Boeing 737 MAX certification

(FAA) and the European Union Aviation Safety Agency (EASA). Global regulators grounded the plane in 2019 following fatal crashes of Lion Air Flight 610

The Boeing 737 MAX was initially certified in 2017 by the U.S. Federal Aviation Administration (FAA) and the European Union Aviation Safety Agency (EASA). Global regulators grounded the plane in 2019 following fatal crashes of Lion Air Flight 610 and Ethiopian Airlines Flight 302. Both crashes were linked to the Maneuvering Characteristics Augmentation System (MCAS), a new automatic flight control feature.

Investigations into both crashes determined that Boeing and the FAA favored cost-saving solutions, which ultimately produced a flawed design of the MCAS instead. The FAA's Organization Designation Authorization program, allowing manufacturers to act on its behalf, was also questioned for weakening its oversight of Boeing.

Boeing wanted the FAA to certify the airplane as

another version of...

Ethiopian Airlines Flight 302

Network. Flight Safety Foundation. Archived from the original on 11 March 2019. Retrieved 10 March 2019. "Aircraft Accident Investigation Report B737-MAX 8

Ethiopian Airlines Flight 302 was a scheduled international passenger flight from Bole International Airport in Addis Ababa, Ethiopia, to Jomo Kenyatta International Airport in Nairobi, Kenya. On 10 March 2019, the Boeing 737 MAX 8 aircraft which operated the flight crashed near the town of Bishoftu six minutes after takeoff. All 149 passengers and 8 crew members on board died.

ET 302 is Ethiopian Airlines' deadliest accident to date, surpassing the fatal hijacking of Flight 961 resulting in a crash near the Comoros in 1996. It is also the deadliest aircraft accident to occur in Ethiopia, surpassing the crash of an Ethiopian Air Force Antonov An-26 in 1982, which killed 73 people on board.

The accident was the second involving a MAX 8 in less than five months after the crash of Lion Air Flight...

Boeing 737 MAX groundings

the FAA approved Boeing's request to remove

references to a new Maneuvering Characteristics Augmentation System (MCAS) from the flight manual. In November

The Boeing 737 MAX passenger airliner was grounded worldwide between March 2019 and December 2020, and again during January 2024, after 346 people died in two similar crashes in less than five months: Lion Air Flight 610 on October 29, 2018, and Ethiopian Airlines Flight 302 on March 10, 2019. The Federal Aviation Administration initially affirmed the MAX's continued airworthiness, claiming to have insufficient evidence of accident similarities. By March 13, the FAA followed behind 51 concerned regulators in deciding to ground the aircraft. All 387 aircraft delivered to airlines were grounded by March 18.

In 2016, the FAA approved Boeing's request to remove references to a new Maneuvering Characteristics Augmentation System (MCAS) from the flight manual. In November 2018, after the Lion Air...

Boeing 737 MAX

August 2011, the first flight took place in January 2016, and the aircraft was certified by the U.S. Federal Aviation Administration (FAA) in March 2017. The

The Boeing 737 MAX is a series of narrow-body aircraft developed by Boeing Commercial Airplanes as the fourth generation of the Boeing 737. It succeeds the

Boeing 737 Next Generation and incorporates more efficient CFM International LEAP engines, aerodynamic improvements such as split-tip winglets, and structural modifications. The program was announced in August 2011, the first flight took place in January 2016, and the aircraft was certified by the U.S. Federal Aviation Administration (FAA) in March 2017. The first delivery, a MAX 8, was made to Malindo Air in May 2017.

The 737 MAX series includes four main variants—the MAX 7, MAX 8, MAX 9, and MAX 10—with increasing fuselage length and seating capacity. Boeing also developed a high-density version, the MAX 8-200, launched by Ryanair. The...

Reactions to the Boeing 737 MAX groundings

in concert to approve the 737 Max for flight, because serious questions remain about how and why the FAA approved the 737 Max for flight and whether it

The two fatal Boeing 737 MAX crashes in October 2018 and March 2019 which were similar in nature – both aircraft were newly delivered and crashed shortly after takeoff – and the subsequent groundings of the global 737 MAX fleet drew mixed reactions from multiple organizations.

Boeing expressed its sympathy to the relatives of the Lion Air Flight 610 and Ethiopian Airlines Flight 302 crash victims, while simultaneously defending the

aircraft against any faults and suggesting the pilots had insufficient training, until rebutted by evidence. After the 737 MAX fleet was globally grounded, starting in China with the Civil Aviation Administration of China the day after the second crash, Boeing provided several outdated return-to-service timelines, the earliest of which was "in the coming weeks"...

Aviation safety

and gauges cockpits and early auto-flight systems; from 1964, new designs (A300, F28, BAe 146, B727, original B737 and B747, L-1011, DC-9, DC-10...) have

Aviation safety is the study and practice of managing risks in aviation. This includes preventing aviation accidents and incidents through research, training aviation personnel, protecting passengers and the general public, and designing safer aircraft and aviation infrastructure.

The aviation industry is subject to significant regulations and oversight to reduce risks across all aspects of flight. Adverse weather conditions such as turbulence, thunderstorms, icing, and reduced visibility are also recognized as major contributing factors to aviation safety outcomes.

Aviation security is focused on protecting air travelers, aircraft and infrastructure from intentional harm or disruption, rather than unintentional mishaps.

Boeing 737

In the midyear 2020, the FAA and Boeing conducted a series of recertification test flights. On November 18, 2020, the FAA cleared the MAX to return to

The Boeing 737 is an American narrow-body aircraft produced by Boeing at its Renton factory in Washington.

Developed to supplement the Boeing 727 on short and thin routes, the twinjet retained the 707 fuselage width and six abreast seating but with two underwing Pratt & Whitney JT8D low-bypass turbofan engines. Envisioned in 1964, the initial 737-100 made its first flight in April 1967 and entered service in February 1968 with Lufthansa.

The lengthened 737-200 entered service in April 1968, and evolved through four generations, offering several variants for 85 to 215 passengers.

The first generation 737-100/200 variants were powered by Pratt & Whitney JT8D low-bypass turbofan engines and offered seating for 85 to 130 passengers. Launched in 1980 and introduced in 1984, the second generation...

List of aviation, avionics, aerospace and aeronautical abbreviations

*Glossary. "Definition of ACFT";
www.merriam-webster.com. Retrieved 2023-05-11.
FAA Airman Certification Standards "Chapter 2:
Aeronautical Decision-Making";*

Below are abbreviations used in aviation, avionics, aerospace, and aeronautics.

International Civil Aviation Organization

*"EIN111" and pronounced "Shamrock
One One One". In the US, FAA practices require
the digits of the flight number to be spoken in group
format ("Japan Air One*

The International Civil Aviation Organization (ICAO eye-KAY-oh) is a specialized agency of the United Nations that coordinates the principles and techniques of international air navigation, and fosters the planning and development of international air transport to ensure safe and orderly growth. The ICAO headquarters are located in the Quartier international de Montréal of Montreal, Quebec, Canada.

The ICAO Council adopts standards and recommended practices concerning air navigation, its infrastructure, flight inspection, prevention of unlawful interference, and facilitation of border-crossing procedures for international civil aviation. ICAO defines the protocols for air accident investigation that are followed by transport safety authorities in countries signatory to

the Convention on International...

Alaska Airlines

Boeing 737-800 Prototype Maiden Flight ";
Airways. Retrieved December 22, 2023.
"N284AK: Alaska Airlines Boeing
B737-900"; Flightera. Retrieved December

Alaska Airlines is a major airline in the United States headquartered in SeaTac, Washington, within the Seattle metropolitan area. It is the fifth-largest airline in North America when measured by scheduled passengers carried, as of 2024. Alaska, together with its regional partners Horizon Air and SkyWest Airlines, operates a route network primarily focused on connecting cities along the West Coast of the United States (including Alaska and Hawaii) to over 100 destinations in the contiguous United States, the Bahamas, Belize, Canada, Costa Rica, Guatemala and Mexico.

The airline operates out of six hubs with its primary hub at Seattle-Tacoma International Airport. Alaska Airlines is a member of Oneworld, the third-largest airline alliance in the world. As of 2020, the airline employs over 16...

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