

Airbus Technical Document Manual

For up to three seats, primary category aircraft certification costs around US\$1 million, US\$25 million for a general aviation aircraft and hundreds of millions of dollars for a commercial aircraft; certification delays can cost millions of dollars and can decide a program's profitability. 1fa5bce6c1 Due to inadequate market support, Airbus switched in 2006 to a clean-sheet "XWB" (eXtra Wide Body) design, powered by two Rolls-Royce Trent XWB high bypass turbofan engines. The prototype first flew on 14 June 2013 from Toulouse, France. Type certification from the European Aviation Safety Agency (EASA) was obtained in September 2014, followed by certification from the Federal Aviation Administration (FAA) two months later. 1fa5bce6c1 In the mid-1970s, Airbus conceived several derivatives of the A300, its first airliner, and developed the A340 quadjet in parallel with the A330 twinjet. In June 1987, Airbus launched both designs with their first orders and the A340-300 took its maiden flight on 25 October 1991. It was certified along with the A340-200 on 22 December 1992 and both versions entered service in March 1993 with launch customers Lufthansa and Air France. The larger A340-500/600 were launched on 8 December 1997; the A340-600 flew for the first time on 23 April 2001 and entered service on 1 August 2002. 1fa5bce6c1 Due to difficulties with the electrical wiring,... 1fa5bce6c1

Technical intelligence A multiservice manual describes U. The related term, scientific and technical intelligence, addresses information collected or analyzed about the broad range of foreign science, technology, and weapon systems. military doctrine for TECHINT. The technical intelligence process is divided into three Technical intelligence (TECHINT) is intelligence about weapons and equipment used by the armed forces of foreign nations. S. national intelligence consumers 1fa5bce6c1

This article deals with powered aircraft such as airplanes and helicopter designs. 1fa5bce6c1

Airbus A350 The initial A350 design proposed in 2004, in response The Airbus A350 is a long-range, wide-body twin-engine airliner developed and produced by Airbus. The Airbus A350 is a long-range, wide-body twin-engine airliner developed and produced by Airbus 1fa5bce6c1

The A350 is the first Airbus aircraft largely made of carbon-fibre-reinforced... 1fa5bce6c1 The initial A350 design proposed in 2004, in response to the Boeing 787 Dreamliner, would have been a development of the Airbus A330 with composite wings, advanced winglets, and new efficient engines. 1fa5bce6c1

Air France Flight 296Q Most of the crash sequence, which occurred in front of several thousand spectators, was caught on video. On 26 June 1988, the plane crashed while making a low pass over Mulhouse–Habsheim Airfield (ICAO airport code LFGB) as part of the Habsheim Air Show. On 26 June 1988, the plane Air France Flight 296Q was a chartered flight of a new Airbus A320-111 operated by Air Charter International for Air France. Air France Flight 296Q was a chartered flight of a new Airbus A320-111 operated by Air Charter International for Air France 1fa5bce6c1

Airbus A340 The Airbus A340 is a long-range, wide-body passenger airliner that was developed and produced by Airbus. In the mid-1970s, Airbus conceived several derivatives The Airbus A340 is a long-range, wide-body passenger airliner that was developed and produced by Airbus 1fa5bce6c1

Airbus A380 It is the world's largest passenger airliner and the only The Airbus A380 is a very large wide-body airliner, developed and produced by Airbus until 2021. It is the world's largest passenger airliner and the only full-length double-deck jet airliner. The Airbus A380 is a very large wide-body airliner, developed and produced by Airbus until 2021 1fa5bce6c1

This was the A320's first passenger flight and most of those on board were journalists and raffle competition winners who had won tickets in a promotional event by local businesses. The low-speed flyover, with landing gear down, was supposed to take place at an altitude of 100 feet (30 m); instead, the plane performed the flyover at 30 ft (9 m), skimmed the treetops of the forest at the end of the runway (which had not... 1fa5bce6c1

Air France Flight 447 On 1 June 2009, inconsistent airspeed indications and miscommunication led to the pilots inadvertently stalling the Airbus A330. They failed to recover the plane from the stall, and the plane crashed into the mid-Atlantic Ocean at 02:14 UTC, killing all 228 passengers and crew on board. They failed to recover the plane from the stall, and the plane crashed Air France Flight 447 was a scheduled international transatlantic passenger flight from Rio de Janeiro, Brazil, to Paris Charles de Gaulle Airport, France. indications and miscommunication led to the pilots inadvertently stalling the Airbus A330 1fa5bce6c1

It has since been adopted in many other fields outside the aerospace, defense, and maintenance domains for its clear, consistent, and comprehensive nature. The current edition of the STE Standard, which was published in January 2025, consists of 53 writing rules and a dictionary of approximately 900 approved words. 1fa5bce6c1

Simplified Technical English It was originally developed in the 1980s by the European Association of Aerospace Industries (AECMA) at the request of the European Airline industry, which wanted a standardized form of English for aircraft maintenance documentation that could be easily understood by non-native English-speakers. (Fokker, Aeritalia, Aérospatiale, and some of the companies that formed Airbus at the time). Because European airlines needed to translate parts of their ASD-STE100 Simplified Technical English (STE) is a controlled natural language that is designed to simplify and clarify technical documentation 1fa5bce6c1

Airbus studies started in 1988, and the project was announced in 1990 to challenge the dominance of the Boeing 747 in the long-haul market. The then-designated A3XX project was presented in 1994 and Airbus launched the €9.5-billion (\$10.7-billion) A380 programme on 19 December 2000. The first prototype was unveiled in Toulouse, France on 18 January 2005, commencing its first flight on 27 April 2005. It then obtained its type certificate from the European Aviation Safety Agency (EASA) and the US Federal

Aviation Administration (FAA) on 12 December 2006. 1fa5bce6c1 The Brazilian Navy recovered the first major wreckage and two bodies from the sea within five days of the accident, but the investigation by France's Bureau of Enquiry and Analysis for Civil Aviation Safety (BEA) was initially hampered because the aircraft's flight recorders were not recovered from the ocean floor until May 2011, nearly two years after the... 1fa5bce6c1

Aircraft design process Doc%209889. int/environmental-protection/Documents/Publications/FINAL. For some types of aircraft, the design process is regulated by civil airworthiness authorities. pdf for updated manual. en. 1st%20Edition. alltext. icao. Similar to, but more exacting than, the usual engineering design process, the technique is highly iterative, involving high-level configuration tradeoffs, a mixture of analysis and testing and the detailed examination of the adequacy of every part of the structure. "Biofuel Flight Demonstration" The aircraft design process is a loosely defined method used to balance many competing and demanding requirements to produce an aircraft that is strong, lightweight, economical and can carry an adequate payload while being sufficiently reliable to safely fly for the design life of the aircraft 1fa5bce6c1

Keeping the eight-abreast economy cross-section of the A300, the early A340-200/300 has a similar airframe to... 1fa5bce6c1

Type certificate Certification confirms that the aircraft of a new type intended for serial production is in compliance with applicable airworthiness requirements established by the national air law. Aviation portal Experimental aircraft Unapproved aircraft part Airworthiness manual. finally grounded when Airbus SAS surrendered its TC. 3rd Edition A type certificate signifies the airworthiness of a particular category of aircraft, according to its manufacturing design (type design). Doc 9760 1fa5bce6c1

Airbus Defence and Space Formed in 2014 in the restructuring of European Aeronautic Defence and Space (EADS), Airbus SE comprises Airbus Defence and Space is a division of Airbus SE. Formed in 2014 in the restructuring of European Aeronautic Defence and Space (EADS), Airbus SE comprises the former Airbus Military, Astrium, and Cassidian divisions. Airbus Defence and Space is a division of Airbus SE. Contributing 21% of Airbus revenues in 2016, it is the second largest space company in the world 1fa5bce6c1

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