



Welcome to our Monthly
Newsletter

The Civil Aviation Academy

For the latest in aviation news and civil aviation regulation updates and changes.

The Civil Aviation Academy has over 20 years of experience in the aviation sphere. Our consultants are available to answer all your aviation regulation queries.

Our specialty courses include

- ***Dangerous Goods Awareness and Acceptance of Non-Dangerous Goods (initial issue and refresher) Courses***
- ***Safe Transport of Infectious Substances By Air (Shippers Training) (initial issue and refresher) Courses***
- ***Crew Resource Management (CRM) also known as Aviation Decision Making (ADM) Courses.***



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The latest in aviation technology!



“Green” Fuel

Etihad Airlines have been trialling their “Greenliner” program for some years now. They claim to have reduced carbon emissions by 72% since 2019. So, how do they do it? The Greenliner is a 787 aircraft painted green. The aircraft has become the poster child for the airline. The transition comes from utilising sustainable aviation fuel (SAF). The fuel is made from waste products and can curb emissions by 80% on average - unfortunately it currently accounts for just 1% of global jet fuel usage.

The reason it is not being taken up by all airlines? Most airports don't have the infrastructure to enable it's use and regulations only allow for most aircraft to use up to 50% SAF. There is also the cost factor - with SAF costing up to 5 times that of conventional jet fuel.

Biometric Technology

British Airways has announced that they will be trialling biometric technology at their boarding gates. Not only will you have to scan your passport and boarding pass but also your face! Terminal 5 at Heathrow has been fitted with smart Bio-pod cameras. Passengers utilising the technology will be volunteers at this stage and will be asked to give their consent before taking part.

Latest Aviation News

Airport News

Brisbane Airport will be getting a \$960 million facelift, including 6000 solar panels to account for at least 10% of the airport's power requirements.

A new terminal will be built between two existing runways. The new facility is to cater for air cargo in Queensland and the growing demand for cold chain perishables.



Meanwhile, on the Gold Coast, the new \$260 million International terminal opened last month. The terminal will service long-haul destinations to Europe, the UK, and the USA.

Avalon Airshow 28 Feb - 5 March 2023



CAAA is very excited about the approaching Avalon Airshow. We will be there and hope to see you. This is not our first time at Avalon - CAAA has attended Avalon since 2002.

According to the Avalon Airshow Facebook page, some of next year's participants include

- The South Korean Airforce - Black Eagles Aerobatic Team
- Royal Australian Air Force
- Lockheed Martin F35A Lightning II
- Paul Bennet Airshows
- Skyaces
- Matt Hall Racing
- Awesome Aviation
- Scandinavian Airshows

Between now and the start of the show we will be sharing some moments. Keep an eye out for our Social Media posts!

Virgin Australia's Middle Seat Lottery

Nobody likes the middle seat on an aircraft, especially if you are travelling alone. You are at the mercy of the passengers on either side and elbow room? Forget it! But if you travel Virgin from now to March 12 and sit in the middle, you can win a prize! Prizes include custom Australian artworks or Velocity Platinum status.

Puppy Update

I was out and about in Subiaco the other day, and who should I come upon but this friendly giant! Some good news - I passed all my tests, and it looks like I am on track to becoming a guide dog!



What exactly is an eVTOL?

You may be familiar with drone technology and its increased presence in our skies. If you are a pilot, you will be familiar with the acronym VTOL (vertical take-off and landing), which covers aircraft such as helicopters and Harrier Jump Jets. But there is another airborne vehicle, the eVTOL, or electrical vertical takeoff and landing craft, gracing our skies in recent times.

According to Reuters, Boeing, Embraer, Airbus, United Airlines, Toyota Motor Corporation, and Stellantis are all investing funds into eVTOL.



EVTOL is likely to be seen in Brisbane for the 2032 Olympics, with Seaworld Helicopters Skyportz, Secure Parking, and Gold Coast Mayor Tom Tate joining forces to make southeast Queensland the home of eVTOL air taxis.

Regulation Updates



IATA Dangerous Goods Manual (DGRs)

IATA Dangerous Goods Regulations Manuals (DGRs), as required by all operators and shippers of Dangerous Goods, need to be updated. The 2023 IATA Regulations (64th Edition) will become effective on 1st January 2023, and all other versions become obsolete.

There will be 350+ significant changes that you'll find in the IATA Manuals this year; if overlooked, it could greatly affect your business as well as the safety and performance of the entire air cargo supply chain.

Standardisation and compliance are paramount to ensure a safe, sustainable, and efficient cargo industry. Therefore, **it's important that you don't wait to place your order** to ensure that you get your manuals before January 1, 2023.

The DGR is published every year - our clients who use the most updated regulations experience fewer delays, fines, and lost contracts. Each year, significant changes are made to procedures and regulations. Order yours now:

www.caaa.com.au/iata-regulations/

Infectious Substances Shipping Guidelines (ISSG)

We are now also providing the 'Infectious Substances Shipping Guideline (ISSG). This document **DOES NOT** replace the requirement for a Shipper to have a copy of the full IATA Dangerous Goods Regulations but provides a smaller and more practical resource for shippers.

The ISSG is the complete, plain language guide to transporting any sort of infectious substance (including Biological Substances Cat B) quickly and safely.

The ISSG contains documentation and packaging examples, checklists for every step of the process and shipping regulations for air, sea, road, rail, courier and postal service.

If you are ordering the 'E' version of either document, this is only downloadable on one device and cannot be accessed through a company intranet. Please contact andy@caaa.com.au for more details.

We will be updating our Facebook page and website with the upcoming changes and the impact they will have on your operations. Follow us at www.facebook.com/caaa.com.au or our News Page at News – Civil Aviation Academy (caaa.com.au)

CAAA Christmas Hours

If you need to get in touch with CAAA over the Christmas period, our hours are below:



CASA NEWS

2023 Deferred Provisions Timeline

According to the latest CASA Newsletter:

With 2023 just around the corner there are timelines that operators must meet to continue to be compliant with the flight operations rules.

They relate to provisions that we deferred for some operators and give you extra time to get ready.

To understand what deferred provisions you need to meet in 2023, [read on](#).

Training and checking:

Operators using CASA EX87/21 to defer their Part 119, 121, 133, 135, and 138 training and checking obligations must be ready to start using their new procedures by 2 March 2023.

You must submit documentation to CASA by the deadlines indicated. They depend on:

- how you currently operate
- what you already have in place.

These deadlines allow CASA to check draft documentation. They can then work with you on any changes before commencement.

Not every operator has to submit documents. The following information will help you work out if a requirement applies to you and what you must do, and by when.

These rules apply to those organisations that were operating on 1 December 2022. New applications must have these systems in place at the time of application.

This Month in Aviation History



2 December 1986 (France) — A “Concorde” SST airliner lands at Charles de Gaulle airport after an 18-day round-the-world trip - a total flying time of 31 hours 51 minutes with 94 passengers on board.

5 December 1909 (Australia) —the first crewed glider flight in Australia was made by George Taylor in a glider of his own. He made 29 flights at Narrabeen Beach in NSW, Australia.

5 December 1921 (Australia) — Western Australia Airways opens the first scheduled airline service in Australia. West Australian Airways was based in Geraldton, Western Australia.

7 December 1945 (New Zealand) — New Zealand National Airways Corporation is founded with the amalgamation of Union Airways, Air Travel, and Cook Strait Airways.

7 December 1972 (Moon) — All USAF crew in Apollo 17 make the final mission of NASA’s Apollo Program - landing on the moon.

10 December 1919 (England/Australia) —Prime Minister Billy Hughes announced a competition on 19 March 1919 to fly from England to Australia within 30 days with a prize of £10 000. South Australian brothers Ross Smith (pilot) and Keith Smith (navigator), with engineers Walter Shiers (SA) and James Bennett (Vic), were the first successful crew. They flew 11,340 miles over 135 hours and 55 min. Their average speed was 83 mph.

14 December 1962 (Venus) — Mariner 2 becomes the first spacecraft to fly past Venus.

14 December 1972 (Moon) — Eugene Cernan becomes the last person to walk on the Moon after Apollo 17’s surface activity.

17 December 1903 (USA) — First sustained controlled flight in a powered aircraft. Wilbur and Orville Wright built their aircraft in sections in the back room of their Dayton, Ohio, bicycle shop. The brothers took turns piloting and monitoring their flying machine in Kill Devil Hills, North Carolina. Orville’s first flight lasted 12 seconds and 120 feet. On the fourth and final flight of the day, Wilbur travelled 852 feet, remaining airborne for 59 seconds.

19 December 1908 (France) — The world’s first airfield, Port—Aviation, is opened 12 miles outside Paris.

20 December 1928 (Antarctica) — Australian George Wilkins and Lieutenant Carl Eielson make the first flight over Antarctica. They use a Lockheed “Vega” for the 10—hour flight.

24 December 1968 (Moon) — The crew of Apollo 8 enters orbit around the Moon, becoming the first humans to do so. They performed ten lunar orbits and broadcast live TV pictures that became the famous Christmas Eve Broadcast, one of the most-watched programs in history.

27 December 1928 (Antarctica) — Capt. Sir George H. Wilkins and Carl Eielson, in a Lockheed “Vega” (“Whirlwind” engine,) make their first flight over Antarctica Continent.

