



August 2023

## Welcome to our Monthly Newsletter

## 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 and manual update 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.*



*We specialise in manual updates and compliance. If you are finding it hard to keep up to date - contact us today as this is what we do best!*

### What's Happening in Aviation Tech?

#### Clear Air Turbulence Simulator

Scientists in Japan recently conducted studies into clear air turbulence (CAT) using Japan's most powerful supercomputer. Clear air turbulence can occur on clear days with no atmospheric disturbance, which makes it very hard to detect. CAT poses a high risk to aviation safety.

Researchers simulated the fine vortices responsible for this dangerous phenomenon around Tokyo. The results of the studies could improve turbulence forecasting in the future. Link to full study results [here](#)



Contact :  
[andy@caaa.com.au](mailto:andy@caaa.com.au)  
[www.caaa.com.au](http://www.caaa.com.au)

Ph: 08 6180 7939



## Australian Aviation Awards 2023

Exciting news! Our CEO, Sue-anne Munckton, has been announced as a finalist in the Australian Aviation Awards 2023! Sue-anne is shortlisted in two categories:

- *Female Aviation Leader of the Year*
- *Executive of the Year.*

The team at the CAAA strive for excellence at every turn, and it is only through their dedication and commitment that Sue-anne was able to nominate for these prestigious awards.

A big congratulations to all finalists! Winners will be announced 31st August 2023 at the presentation dinner in Sydney. A full list of finalists is [available here](#). Congratulations Sue-anne!



The CAAA is proud to be presenting the Aerial Services Business of the Year award

A promotional banner for the Australian Aviation Awards 2023. It features a dark background with a red and white geometric pattern on the left. The text "AUSTRALIAN AVIATION AWARDS 2023" is in large white and yellow letters. Below it, "WE ARE A PROUD PARTNER" is written in white. The UNSW Sydney logo is in the top right, labeled "Principal Partner". The Civil Aviation Academy Australasia logo is in the bottom left, labeled "Supporting Partner". At the bottom, it says "Secure your ticket today!" in white.

## Homemade Aircraft in NSW

When you hear the words “Jet Aircraft” you don’t expect to also hear the words “homemade” in the same sentence. Retired dentist, Andre Viljoen has just built a 5-metre Subsonex jet in his small hangar in Moruya, NSW. It took him more than 3,000 hours to build the plane from a kit he ordered online from the United States.

He has built four aircraft, all registered with the CASA. They fall under the “experimental aircraft” regulations. His first build was an RV-6 — a propeller-powered, two-seater aircraft. The kits range in price from \$30 000 to \$1 million. Dr Viljoen's aircraft cost around \$230,000 each.

Andre likens the build to his childhood experiences of making model planes.

You can read the full story [here](#)



## Have you had a close call?

Have you had a close call? Flight Safety Australia want to hear your story - if you find it difficult to write down your experience you can now call, and they will write it up for you. The story will be sent back to you for a final check. If your story is published, Flight Safety Australia will send you a \$250 gift voucher. If you choose to write your own Close Call (450 – 1400 words) you will receive \$500, if published. They would like to hear from any sector of aviation and your story can remain anonymous. Get in touch or submit your close call by emailing [fsa@casa.gov.au](mailto:fsa@casa.gov.au) and your story could be published – you can read previous entries [here](#).

## Global Immunisation Coverage

The World Health Organisation (WHO) has released the results of global immunisation in 2022.

Immunisation plateaued during the Covid19 pandemic due to schedule disruptions and overburdened health systems.

While numbers have improved since 2021 WHO has identified some key challenges, according to the report: *“In 2022, 14.3 million infants did not receive an initial dose of DTP vaccine, pointing to a lack of access to immunisation and other health services, and an additional 6.2 million are partially vaccinated. Of the 20.5 million, just under 60% of these children live in 10 countries: Angola, Brazil, the Democratic Republic of the Congo, Ethiopia, India, Indonesia, Mozambique, Nigeria, Pakistan and the Philippines.”* The full report is available on the [WHO website](#).

## CASA NEWS

Due to the Pacific Airshow being held on the Gold Coast this month from 17 – 20 August, there will be temporary airspace restrictions to and from Gold Coast (YBCG) and Brisbane (YBBN) airports. This includes crewed aircraft and drones.

For full details on airspace restrictions, see the [CASA Website](#).



For further information about the Pacific Airshow, you can find it on [their community website](#).

For the latest in drone news:

Subscribe to the “Know Your Drone Newsletter [here](#).”

## Regulation Updates



### Rotorcraft performance for medical transport operations (documentation)

If you are conducting medical transport operations, you must:

- **provide documentation by 5 September 2023**
- **be ready to start by 4 December 2023.**

If you are conducting aerial work operations, one of the rotorcraft performance options is to comply with the Part 133 rotorcraft performance classes, but this is not mandatory. Review Part 138 MOS for more details.

Links to guidance materials [on our website](#).

### IATA Dangerous Goods Manual (DGRs)

Review the following guidance material [here](#) to help you develop your documents or place an order.

### Infectious Substances Shipping Guidelines (ISSG)

We also provide 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. It is, however, 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](mailto:andy@caaa.com.au) for more details.

We will update our Facebook page and website with the upcoming changes and their impact on your operations. Follow us at <https://www.facebook.com/caaa.com.au> or [www.caaa.com.au](http://www.caaa.com.au) News – Civil Aviation Academy.



## This Month in Aviation History - August

**1 August 1929** (Germany) — Dr. Hugo Eckener commanded the first airship flight to circumnavigate the globe from Friedrichshafen, Germany. “Graf Zeppelin” arriving back September 4, having logged 21,000 mi. in 12 days, 12 hours, 20 minutes flying time.

**2 August 1909** (USA) — The first flying machine purchased and put into service by the government was the Wright “Flyer.” The United States Army accepted its first aeroplane and paid the Wrights \$25,000, plus a \$5,000 bonus because the machine exceeded the speed requirement of 40 mph.

**4 August 1908** (France) — Wilbur Wright made the first flight using stick controls near Le Mans, France. The flight lasted 1 minute and 45 seconds.



**7 August 1931** (Australia/England) — Jim Mollison landed after flying from Australia to England in 10 days, knocking two days off the existing record.

**14 August 1953** (Australia) — The sound barrier was broken over Australia for the first time by Flight Lt. Bentley, Royal Australian Air Force (RAAF), in the first Australian-built “Sabre” fighter at Avalon, Victoria.

**15 August 1951** (UK) — Powered by a Roll Royce Dart, a DC-3 of British European Airways became the first turboprop aircraft operated on a freight run.

**17 August 1946** (USA) — The first person to be ejected from an aeroplane by means of its emergency escape equipment was Sergeant Lambert at Wright Field in Ohio.

**20 August 1913** (France) — French aviator Adolphe Pégoud carried out the first parachute descent ever made, whereby the parachute is deployed before the pilot leaves the aeroplane.

**21 August 1923** (USA) — The first use of electric beacons mounted on the ground provided sight direction for night flying made in the United States.

**23 August 1937** (USA) — First wholly automatic landing in history was accomplished.

**24 August 1961** (USA) — Beginning this day through October 12, United States aviatrix Jacqueline Cochrane flying a Northrop T-38A “Talon”, set a wide range of records for women (altitude of 56,071 ft., a distance of 1,492 mi., a 100-km (62.14 mi.) closed circuit speed record of 784.337 mph and 15-km (9.32 mi.) course speed of 844.2 mph).

**25 August 1932** (USA) — The first woman to fly non-stop across the United States was Amelia Earhart. She flew in a Lockheed “Vega.”



**27 August 1910** (USA) — Radio was first used to send messages between the ground and an aeroplane when James McCurdy both sent and received messages from a Curtiss biplane at Sheepshead, New York, using an H.M. Horton wireless set.

**31 August 1932** (USA) — Air Corps pilots flew 5 miles above the Earth’s surface to photograph an eclipse of the Sun.