



March 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 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.*



What's the latest in Aviation Tech?



Rocket Launch Failure - Virgin

The recent attempted rocket launch by Virgin Orbit's 747 Rocket launch failed due to a dislodged fuel filter. The first launch was supposed to take place in the Mojave Desert in California in January.

Virgin Orbit is the successor to a project begun by Virgin Galactic where modified Boeing 747-400 aircraft are to launch payloads into space from mid-air.

Mining the Moon!

NASA is on a mission to mine metals from the moon's surface. They believe metals from the moon's surface could be used in 3D printing technology. The materials would then be used to build things on the moon. It is not just metals but consumables such as water and oxygen that NASA is interested in. China has also expressed an interest in accelerating investments in space. The Space Race is on!



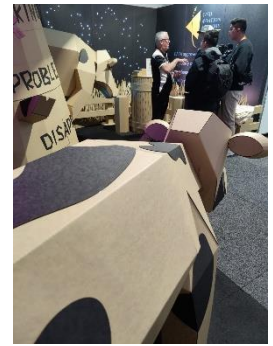
Contact :
andy@caaa.com.au
www.caaa.com.au



Ph: 0861807939

Avalon Airshow 2023 Report

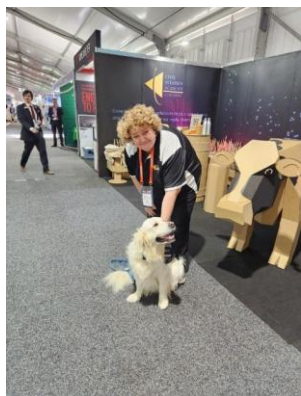
We thoroughly enjoyed our week at Avalon International Airshow 2023! Our amazing stand, constructed by the creative folks at Cardboard Mill was an absolute hit with everyone. We certainly stood out from the rest.



The stand was fully deconstructed and recycled apart from Casserole the cow, who was adopted by Lara Lake Community Pre-school. (pictured below)



John Pound, and Sue-anne Munckton spent the days at Avalon chatting to clients we had never met in person and making new business acquaintances. While their spare time was spent checking out the other displays and attending an airshow.



We look forward to keeping in touch and following up on some of our conversations during the week.

We are also counting down to 2025, when we can do it all again! Get in contact today, and we will make your problems disappear!

International Women's Day 2023

Civil Aviation Academy acknowledges all the women in aviation - past and present. When Amelia Earheart and her counterparts piloted planes and flew solo in the early 1930s, they carved a path for women worldwide and championed the advancement of women in aviation. Our own CEO Sue-anne Munckton, is a champion for women in aviation. Sue-anne gained her commercial pilot's license 32 years ago, at a time when not many women were flying commercially and she was a Chief Pilot (Head of Flying Operations) and Chief Flying Instructor at Jandakot Airport. Sue-anne currently mentors women in aviation. Happy International Women's Day - March 8, 2023.

Defence Force Drones with facial recognition

New Scientist Magazine reports that U.S. Air Force have enabled facial recognition on some of their drones. This could mean that drones can target specific people and gather intelligence to aid in missions. Legal and ethical questions about this growing movement to develop automated weapons have been raised.

The drone will utilise AI to differentiate between people while flying itself. The software can potentially help with rescue missions, perimeter protection and domestic search operations.



Regulation Updates



IATA Dangerous Goods Regulations

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) became effective on 1st January 2023, and all other versions will 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 and 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

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 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. Still, it 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 update our Facebook page and website with the upcoming changes and their impact on your operations. Follow us at www.facebook.com/caaa.com.au or our News Page at News – Civil Aviation Academy (caaa.com.au)

CASA NEWS

Drones

CASA has announced three new CASA-verified safety apps added this month for recreational and commercial drone operators.

AEROPhoria, Curo and ylobe, are all available on the CASA website. According to CASA

"All 3 apps are easy to use, giving you location-based information about where you can and can't fly your drone according to aviation legislation."

Casa encourages anyone flying a drone to check a CASA-verified drone safety app before taking a flight.



Weather Survey

The Bureau of Meteorology would like some feedback from the aviation industry - the Bureau services general aviation as well as international regional and domestic airlines

Of the utmost importance is that they provide timely and accurate meteorological information to ensure flight safety at all times.

If you have a spare moment and would like to have your say, you can complete the survey before 6th April 2023.

[Bureau Survey](#)



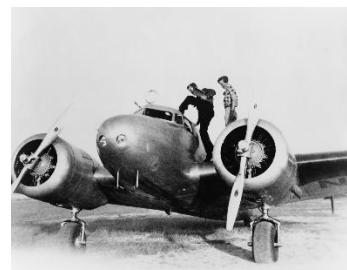
This month in Aviation

- **2 March 1969 (France)** — After a long succession of taxi and runway tests, the first prototype, “Concorde 001” (F-WTSS) made its first flight, with Andre Turcat at the controls. The flight lasted 29 minutes.
- **3 March 1950 (Australia/Japan)** — Australian Qantas inaugurated a passenger service from Sydney to Tokyo.
- **4 March 1936 (Germany)** — The last great passenger-carrying airship took to the air for the first time. The German dirigible LZ 129, the “Hindenburg,” powered by four 1,320-hp Daimler-Benz DB 602 diesel engines. The “Hindenburg” made its first Atlantic crossing in the record time of 64 hours 53 minutes on May 6.
- **7 March 1956 (England)** — Dan Perkins, an engineer at Britain's Royal Aircraft Establishment, took his first flight in an inflatable airplane in Bedfordshire, England. It took 25 minutes to inflate it with a sizeable domestic vacuum cleaner.
- **8 March 1923 (USA)** — Lieut. Frank W. Seifert, USAS, Rockwell Field, San Diego, California, with Russell M. Otis, meteorologist, in a DH-4B airplane, reached an altitude of 19,000 feet while observing lunar radiation.
- **8 March 1974 (France)** — Charles de Gaulle Airport at Roissy-en-France officially opened. Located 15.5 miles (25 km) from the centre of Paris.
- **9 March 1928 (England/South Africa)** — The English aviatrix Lady Mary Bailey took off from Croydon on the first round-trip flight between London and Cape Town, south Africa, flown by a woman. She arrived Back in England on May 12.
- **9 March 1938 (France)** — A new parachute descent record of 35,450 ft. was achieved by the French parachutist James Williams when he jumped from the cockpit of an ANF Les Mureaux 113 high-wing monoplane. He dropped 650 ft. in 2 minutes 50 seconds before opening his parachute, and Williams achieved a world free-fall record.



- **10 March 1948 (USA)** — NACA test pilot Herbert Henry Hoover became the first civilian to exceed the speed of sound when he flew the No. 2 Bell XS-1 to a speed of 703 mph (Mach 1.065).
- **13 March 1928 (Canada)** — The first Canadian woman to obtain a pilot's license, Miss Eileen M. Vollick, passed her flight test in Hamilton, Ontario on a Curtiss aircraft.
- **13 March 1951 (Australia/Chile)** — The Australian airline Qantas began a survey flight from Rose Bay, Sydney to Valparaiso, Chile, with a “Catalina” (VH-ASA).
- **15 March 1938 (England/New Zealand)** — De Havilland DH.88 “Comet” racer (G-ACSS) began a record-breaking flight from England to New Zealand and back . A return flight time of 10 days 21 hours 22 minutes.

- **20 March 1937 (Hawaii)** — An attempted round-the-world flight by leading United States woman aviator Amelia Earhart ended dramatically when the starboard tyre of her Lockheed “Electra” airliner burst during take-off from Honolulu, Hawaii. Because of the damage, the expedition was temporarily abandoned. The first leg from Oakland, California to Honolulu on March 17 was made in 16 hours, an east-west record.



- **24 March 1939 (USA)** — American air record-breaker Jacqueline Cochran achieved a woman's altitude record of 30,052 ft. 5 in. over Palm Spring, California in a Beechcraft Model 17.
- **25 March 1960 (USA)** — The first NASA flight in the X-15 hypersonic research program was underway when test pilot Joseph A. Walker made the first of his flights in this aircraft.
- **25 March 1993 (UK/USA)** — The first woman “Concorde” pilot made her first flight as First Officer of the daily supersonic London-New York route. British-born, Barbara Harmer, was one of only 17 co-pilots in the British Airways Concorde fleet.
- **28 March 1910 (France)** — The first flight of Henri Fabre's Hydroavion, the first powered seaplane in the world, took place at La Mède harbor, Martigues, France. The hydroplane flies for about 1,600 ft. at a maximum height of 7 ft.
- **29 March 1858 (Australia)** — Two men, Brown and Dean, made the first balloon flight in Australia in a hydrogen balloon named the “Australasian.”



- **31 March 1979 (UK)** — The British government announced the development and production costs for the “Concorde” supersonic airliner since November 29, 1962, when the agreement was reached with France to design and build the aircraft. December 31, 1978, the French government spent a total of £920 million, whereas the British spent £898 million. The total cost of £1.818 billion would increase by a further £163 million before government funding ceased.