



April 2023

Welcome to our Monthly Newsletter

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.*



Civil Aviation Academy

What's the latest in Aviation Tech?



Artemis II Crew

Artemis II Crew has been announced. Christina Koch, Victor Glover, Reid Wiseman, and Jeremy Hansen were chosen as the Artemis II crew at NASA's Johnson Space Centre in Houston. Christina Koch will be the first woman, and Victor Glover, the first black man to participate in the first human moon mission since 1972.

Christina Koch currently holds the record for the longest single space flight by a woman.

Veteran NASA astronauts Reid Wiseman and Jeremy Hansen of Canada will join Christina and Victor to fly the most powerful rocket in the world to the moon!

Lunar Suits

NASA has launched the latest in moon wear. The former bulky suits have been replaced by a more modern take on the classic space suit of the 20th Century.

The suits will allow for movement and comfort. While the prototypes are coloured the actual suits must be white to reflect extreme temperatures. Axiom Space has developed the suits at the Space Centre Houston.

Check out the suits [here](#).

The suits will be worn on the upcoming space mission to establish a lasting presence on the moon and eventually a voyage to Mars.

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Latest Aviation News

Avalon Airshow Report – the stats

According to the official statisticians, the 2023 Avalon Air show was a resounding success. Let's have a look at some of the figures.

- 200 000 people came through the gates on public days.
- 48,516 Industry Day Attendances (up 24%)
- 794 Participating Exhibitor Companies (up 14%)
- 281 Official Delegations from 38 nations
- 22 Chiefs and 14 Representatives
- 11 US Dignitaries
- Six National Armament Directors
- Three Space Commanders
- 248,000+ Attendances across the event

Organisers hope to streamline some of the traffic delays in 2025. You can read the full report [here](#).



Happy Birthday QANTAS

Australia's flying kangaroo celebrated their belated 100-year birthday with a spectacular Sydney gala dinner; chief executive Alan Joyce has hinted that a woman could soon guide the carrier.



According to the Financial Review, Alan Joyce said "Some airlines say you'll never see a woman running an airline ... One day, we'll have a woman running Qantas,"

Virgin Orbit to Cease Operations



Following the botched attempt to launch the 747 rocket earlier this year the CEO of Virgin Orbit, Dan Hart has said that 90% of the workforce will be made redundant. This comes following a failed attempt to secure funds to save the company.

Images in the Sky

Wheelchair pilot Russ Pinder traced a wheelchair in the sky over England on Monday, March 27, 2023 in his ultralight Aeroprakt A22LS Foxbat to mark the 20th anniversary of a mountain bike accident that left him paralysed.

Russ is not the only pilot to create images in his flight path. You can see Russ's wheelchair design along with some other incredible designs [here](#).

Minecraft Airport Design Challenge



On the 1st of April the Federal Aviation Administration (US) launched its 2023 Airport Design Competition for students from K- 12 across the globe.

The airport design will be completed using gaming/education platform, Minecraft where the children will form small teams to complete development tasks. Lesson plans and registration details can be found [here](#).

ANZAC Day 25 April



Let us remember the ANZACs with pride and gratitude and honour their legacy by continuing to uphold the values they held dear. Lest we forget.



Rotorcraft performance (documentation)

You need to comply with rotorcraft performance classes if you conduct:

- air transport operations in helicopters, gyroplanes,
- or powered lift aircraft rotorcraft medical transport operations.

If you are conducting air transport operations in helicopters, gyroplanes, or powered lift aircraft, you must:

- **provide documentation by 3 June 2023**
- **be ready to start by 4 December 2023.**

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)

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

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 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 released a plain English Guide for Micro & Excluded RPA Operations – available [here](#)

This guide is for people who are conducting commercial operations using

- micro RPA drones that weigh 250 g or less
- excluded RPA — this includes drones that are very small, small, or medium drones used in very specific commercial situations (activity and location).



Free Aviation Safety Seminars, April 2023.

For those in the regions of Alice Springs, Ballina and Murwillumbah CASA is holding free aviation safety seminars in April. See the [CASA Website](#) for details.

CASA Safety Promotion Sponsorship Program

Applications are now open for the Safety Promotion Sponsorship Program. The 2022 to 2023 program targets community and not-for-profit organisations or individuals. Visit the [CASA website](#) to Apply before April 23.

This Month in Aviation - April

- **2 April 1997 (USA)** – A Boeing 777, powered by twin Rolls-Royce Trent 892 turbofans, set a speed around the world record of 553 mph when flying from Seattle to Kuala Lumpur, Malaysia.
- **3 April 1954 (Australia)** – Qantas introduced tourist-class services on its Kangaroo route from Sydney to London.
- **4 April 1947 (Canada)** – The International Civil Aviation Organization (ICAO) was officially founded in Montréal, Canada. It was established to regulate air transportation worldwide, its authority restricted only by the number of signatory nations.
- **6 April 1924 (USA)** – The first successful round-world flight started as four Douglas World Cruisers left from Seattle, Washington. Two aircraft succeeded with a flying time of 371 hours and 11 minutes, and the successful pilots were Lt. Lowell H. Smith and Lt. Erik Nelson.
- **6 April 1967 (USA)** – Trans World Airlines (TWA) became the first American airline to have a fleet composed entirely of jet aircraft.
- **8 April 1931 (USA)** – Amelia Earhart climbed to a record altitude of 18,415 feet in a Pitcairn Autogiro at Willow Grove, near Philadelphia.
- **9 April 1969 (UK)** – The first UK-assembled supersonic transport, Concorde 002, made a successful first flight in England.
- **9 April 1976 (France/Venezuela)** – Air France opens its second supersonic service from Paris to Caracas, Venezuela.
- **10 April 1837 (Canada)** – Canadian schoolteacher John Rae conducted the earliest known aeronautical experiment in Canada. He successfully launched a paper balloon able to carry weight. The heat from the sun provided the lift.
- **14 April 1900 (France)** – The spectacular Paris International Exhibition opened. Clement Ader's "Avion III" was one of the exhibits.
- **15 April 1921 (USA)** – Commercial blimp, Goodyear, was used in an aerial survey, in Los Angeles.
- **17 April 1970 (England/France)** – A Sikorsky CH-53D "Sea Stallion" helicopter flew between London and Paris to demonstrate that modern helicopters can provide reliable inter-city services.
- **18 April to 2 May 1920 (Monaco)** – Seaplane races in Monaco, France. Grand Prix de Monaco was awarded to Sadi Lecointe.
- **19 April 1945 (Cuba)** – IATA was formed in Havana, Cuba. It is the successor to the International Air Traffic Association, founded in The Hague in 1919. IATA had 57 members from 31 nations, mostly in Europe and North America. Today it has about 230 members from more than 140 nations in every part of the world.
- **20 April 1935 (Australia)** – The first passengers left for Australia on a new Imperial Airways/QANTAS service; the first Australian departures were made from Brisbane on April 17.
- **21 April 1914 (England)** – The first news movie shot from the air was filmed by cameraman B.C. Hucks, Warwick Bioscope Chronicle Film, England. He filmed the royal yacht.
- **21 April 1928 (Norway)** – Australian explorer Hubert Wilkins and his American pilot Carl Ben Eielson arrived in Spitzbergen, Norway, after making the first-ever crossing of the Arctic by airplane.
- **22 April 1971 (England/France)** – Britain and France gave the go-ahead for four more Concorde to be built - the total was now ten.
- **24 April 1909 (Italy)** – Wilbur Wright made five flights in Centocelle, Italy, with King Victor Emmanuel III of Italy present. During one flight, a Universal News Agency cameraman accompanied him and took the first motion pictures from the air.
- **27 April 1839 (USA)** – John Wise, an American, introduced the balloon ripping panel, a glued section that the pilot can pull open for quick emptying of the balloon after landing to prevent the balloon from being dragged along the ground.
- **29 April 1988 (USA)** – The first flight of the Boeing 747-400 was made. This advanced model had a crew of two and could carry between 412 and 509 passengers over 8,000 miles.
- **30 April 1932 (USA)** – An international code of air traffic communication is formally established following the decision to do so at a 1927 conference in Washington, DC. The new code was based on a series of three-letter codes starting with the letter "Q".
- **30 April 1969 (Norway)** – The first woman airline pilot in the West, Turi Widerose of Norway, made her first scheduled flight as a first officer for SAS (Scandinavian Airlines System). She was certified as co-pilot on the Convair 440 "Metropolitan" and became the first female pilot in a larger airline in the Western World.

