



May 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.*



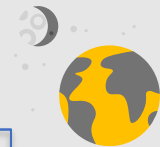
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Civil Aviation Academy

What's the latest in Aviation Tech?



Space X Explodes

Elon Musk's Space X rocket successfully launched his next-generation Starship cruise vessel last month, only to have it explode not long after take-off.

Even though the flight lasted minutes, it was still declared a successful test flight as the rocket and booster left the ground.

Elon Musk will attempt another launch in a couple of months' time. The entrepreneur will initially use the Starship to launch thousands more satellites for his broadband internet constellation in the sky - Starlink.

You can see the launch [here](#).



Drones are good for our economy.

According to a recent press release from the Minister for Infrastructure, Transport, Regional Development & Local Government - Hon Catherine King MP, increased drone use benefits Australia's economy.

The research report identifies several industries that could greatly benefit from increased drone use, including emergency relief and disaster management, security services, freight, agriculture, last-mile deliveries, recreation, and entertainment.

Australia's emergency services sector is projected to unlock the greatest potential benefits from drones, having a net productivity increase of 10 per cent - resulting in a \$460 million net boost to the national economy. The full report can be accessed [here](#).



Covid19 Vaccine Updates

The Therapeutic Goods Administration (TGA), part of the Department of Health, continues to assess Covid19 vaccines for use within Australia. The various vaccines are put through rigorous assessment processes before being granted full registration. Full registration was granted to Moderna Australia - SPIKEVAX (elasomeran) last month on April 21, 2023. You can check the latest approvals of Covid19 vaccines [here](#).

Vaccines receive provisional approval for a maximum of 6 years. Provisional approval means making vaccines available that have been assessed as the benefits outweighing the inherent risks. Additional data is still required to obtain full registration in Australia.

Contact: CAAA to enrol in our Safe Transport of Infectious Substances by Air Course (Shippers Training Course) [here](#).

23rd National Balloon Championships Northam, WA

Following the successful 2015 and 2017 National Ballooning Championships and the cancellation of the 2020 event, the skies of Northam will again be filled with hot air balloons between 6th - 13th May 2023 for the 23rd Australian National Championships.

The Shire of Northam will be hosting ballooning themed activities during the Championships including the "Elevate" Community festival on Saturday 6th May, which includes the visually spectacular 'Balloon Night Glow'. Additionally, there will be 'The History of Ballooning' display at the Northam Visitor Centre, a Ballooning Photographic Gallery, and a Star Gazing event. Hear Aboriginal cultural stories of the night sky followed by a "Beginner's Guide to Astronomy" and a closer look through telescopes as you travel back in time.



CareFlight's Gulfstream

CareFlight have unveiled the first medical airjet capable of transporting critical passengers from south-east Asia. The Jet can fly 5300 km at 1000 km/hour . It can fly from Darwin to Sydney or Melbourne in under 4 hours.

The G150 Jet can fly longer and faster than any medical jet in Australia and is the first of it's kind in this country. The aircraft can carry CareFlight's specialist nurse and doctor, two stretchered patients and two seated patients, or one stretchered patient and four seated patients.

You can see the new jet in action [here](#).





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)

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 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).



Know your Drone - quiz!

CASA has an online quiz with immediate feedback available to help you get to know your drone better.

<https://www.casa.gov.au/knowyourdrone/quiz>

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



This Month in Aviation History - May

- 3 May 1952 (USA) – The first landing at the North Pole was made by Americans Lt. Col. William P. Benedict and Lt. Col. J. O. Fletcher on a ski-and-wheel equipped Air Force Douglas C-47 "Skytrain".
 - 5 May 1930 (England/Australia) – The first solo flight from England to Australia by a woman was made by Amy Johnson in a De Havilland D.H.60G "Moth." She flew from Croydon, England, to Darwin, Australia in 19 days.
 - 6 May 1937 (USA) – The German dirigible "Hindenburg" exploded and burned on landing approach, killing 36, in Lakehurst, New Jersey.
 - 7 May 1936 (England/South Africa) – Amy Mollison landed at Wingfield Aerodrome, Cape Town, South Africa, to set a new record of 3 days, 6 hours, 26 minutes for a flight from England.
 - 8 May 1935 (Mexico/USA) – Amelia Earhart made her first non-stop flight from Mexico City, Mexico, to Newark, New Jersey, in 14 hours 19 minutes (Lockheed Vega, Pratt & Whitney Wasp engine.)
 - 8 May 1973 (France) – The Airbus A300B prototype made the type's first fully automatic landing in Toulouse, France.
 - 9 May 1983 (USA) – The first all-woman flight crew to fly a round trip across the Atlantic was the Air France C-141 crew from the 18th Military Airlift Squadron, McGuire Air Force Base, New Jersey.
 - 10 May 1983 (England) – Airspur Helicopters introduced the Westland 30 helicopter into scheduled airline service.
 - 11 May 1926 (North Pole) – The first airship flight over the North Pole and the first crossing of the Arctic Ocean was made by Roald Amundsen of Norway, Umberto Nobile of Italy, Lincoln Ellsworth of the United States, and their crew in an Italian-built semi-rigid airship, N-1, "Norge".
 - 11 May 1927 (USA) – Charles Lindbergh landed his new Ryan aeroplane, the "Spirit of St. Louis," in St. Louis after a record non-stop overnight flight from San Diego of 14 hours, 25 minutes.
 - 12 May 1963 (USA/Australia) – American flyer Betty Miller landed in Brisbane, Australia, to complete the first transpacific flight by a woman; she left Oakland, California, on April 30.
 - 13 May 1940 (USA) – The first successful free flight of a true helicopter was made by Igor I. Sikorsky's single-rotor VS-300.
 - 14 May 1908 (USA) – The first passenger flew in an aeroplane. Wilbur Wright took Charles W. Furnas of Dayton, Ohio, on a 28-3/5 seconds flight that covered 600 meters at Kill Devil Hills, North Carolina.
 - 18 May 1953 (USA) – American Jacqueline Cochran becomes the first woman to fly faster than the speed of sound while flying a Canadian-built North American F-86 "Sabre." On the same day, she set the world speed record for women at 652 mph (1,049 km/h).
 - 18 May 1966 (USA) – The first round-the-world solo flight by a woman was made by British pilot Sheila Scott. She flew 29,000 miles (46,670 km) in stages in her Piper Comanche "Myth Too."
 - 20 May 1927 (USA/France) – The first solo non-stop flight across the Atlantic was made by Charles A. Lindbergh. In his Ryan monoplane "Spirit of St. Louis," he covers 3,600 miles in 33 hours, and 29 minutes and won the Orteig Prize of \$25,000.
 - 20 May 1932 (Canada/Northern Ireland) – The first solo flight by a woman pilot across the Atlantic was made by American Amelia Earhart. She flew from Harbor Grace, Newfoundland, to Londonderry, Northern Ireland, in a Lockheed "Vega" monoplane in 13 hours, 30 minutes.
 - 20 May to 3 July 1937 (South Pacific) – Amelia Earhart Putnam and Fred Noonan were lost in the Pacific in a round-the-world attempt.
 - 21 May 1977 (USA/France) – The Concorde made a special trip from New York to Paris to mark the 50th anniversary of Charles Lindbergh's historic flight on the same route in the "Spirit of St. Louis" The airliner took just 3 hours, 44 minutes, compared with Lindbergh's time of 33 hours, 29 minutes.
 - 25 May 1999 (France) – The first flight of Airbus A319-133X ACJ (Airbus Corporate Jet), an airliner-sized business jet took place.
 - 27 May 1961 (England/France) – The first crossing of the English Channel by a VTOL (vertical take-off and landing) aircraft was made by the Short SC.1, which was flown by A. Roberts from England to Paris for the Paris Air Show.
 - 31 May 1928 (USA/Australia) – The first aeroplane flight across the Pacific was made by British Capt. Charles Kingsford-Smith and crew in a Fokker F-VIIB/3m. They flew from Oakland Field, California, to Brisbane, Australia, 7,389 miles (11,890 km), in 83 hours and 38 minutes. On the way, it became the first aeroplane to land in Fiji.
- 31 May to 10 June 1928 (USA/Australia) – Capt. Charles E. Kingsford-Smith, Capt. C. T. P. Ulm, pilots, Lt. Cmdr. Harry W. Lyon, navigator, and James Warner, radio operator, in Fokker tri-motored Wright "Whirlwind" monoplane, "Southern Cross", flew from Oakland, California to Brisbane, Australia, first trans-Pacific flight, stopping at Honolulu, Fiji, and Brisbane, 7400 miles in 83 hours 15 minutes flying time.

