



June 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 Aviation Tech?

Blue Origin joins the Space Race



Amazon founder, Jeff Bezos's rocket company has won a \$US3.4 billion NASA contract to build a spacecraft to fly astronauts to the Moon's surface, according to the US Space Agency. Blue Origin plans to fund two test moon landings in 2024 and 2025.

Blue Origin will build its 16-metre tall Blue Moon lander in partnership with Lockheed Martin, Boeing, software firm Draper and robotics firm Astrobotic.



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Seats Please!

If you have ever arrived at an airport with bags in hand only to be told your flight has been “overbooked” and you won’t be boarding today, you will know the frustration and inconvenience it causes. So why does it happen? It’s all to do with the airlines and their profit margin. Empty seats mean lost revenue.

The overselling of flight seats means airlines cover all bases and arrive at the other end with a full flight. Even though this can be an annoying inconvenience it keeps the cost of tickets down for the traveller.

According to the big airlines, you can avoid missing out on a flight by ensuring you get to the gate early or signing up for a rewards account with the airline.



World Cabin Crew Appreciation Day

On May 31 it was World Cabin Crew Appreciation Day. The day was first established by a Canadian cabin crew union to highlight the hard work and dedication of cabin crew worldwide.

Cabin crew are not just there to serve you food and drinks they are specially trained to handle emergencies midair and on the ground. As first-responders they do an incredible job.

Not only that but they work across time zones and spend extended amounts of time in transit. Many cabin crew lost their jobs during the pandemic and now upon their return to work have found their pay conditions worse than pre-pandemic. Let’s hear it for our cabin crews!

Wind-powered Cargo Ships

To hit international climate change targets research has been carried out in Sweden by the Chalmers University of Technology to significantly reduce the climate impact of global shipping.

According to a recent article in Science Daily, the researchers are the first to successfully demonstrate aerodynamic technology, inspired by aviation technology to reduce ships drag by 7.5%. The result – lower fuel consumption and increased energy efficiency.

"In the next few years, we will probably see ships combining wind and fuel-powered propulsion. But our long-term aim is to make wind power the sole energy source for cargo ships and the like," says researcher, Kewei Xu.



Malaria Vaccine Approved for Ghana

In a world first, Ghana has approved a malaria vaccine ahead of richer nations. The vaccine originates from Oxford University and is a positive step forward in fighting the mosquito borne disease that kills over 600 000 people each year – mostly children.

Oxford University scientist Adrian Hill said Ghana's drug regulator has approved the vaccine domestically for the age group at highest risk of death from malaria: children aged five months to 36 months.

The university has a deal with the Serum Institute of India to produce up to 200 million doses of the vaccine — known as R21 — annually.

If you are a shipper of vaccines or infectious substances contact the CAAA to enrol in our Safe Transport of Infectious Substances by Air Course (Shippers Training Course) [here](#).

Dangerous Goods (Shippers) Training

Sue-anne and the CAAA team will be attending the **Communicable Diseases & Immunisation Conference** in Perth this month from Monday 19 to Weds 21 at The Perth Convention Centre, our hometown.

So, if you pack and send dangerous goods throughout Australia or overseas, come and chat to us about our CASA approved shippers training.

Chat with Sue-anne (our Dangerous Goods Training Specialist) at:



Our hometown of Perth from 19th to 21st June 2023

Last month John Pound attended the **IAP's 47th Annual Scientific Meeting** in Brisbane where he met and chatted with pathologists about shipping dangerous goods throughout Australia and Overseas.



CASA NEWS

CASA is holding **Free Aviation Safety Seminars** this month for pilots, maintenance engineers, and all aviation professionals. In Tyabb, Bankstown and Rockhampton. Follow the link for details and registration.

Drones in Agriculture

Drones are being increasingly used by farmers for several operations including crop spraying, livestock monitoring and land surveying.

Here are some useful tips for drone use on the land: <https://www.casa.gov.au/drones-taking-agriculture-sky-high>

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 for more details.

We will update our Facebook page and website with the upcoming changes and their impact on your operations.

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This Month in Aviation History - June

1 June 1967 (USA/France) – The first non-stop Trans-Atlantic helicopter flight, two Sikorsky HH-3E “Jolly Green Giants”, New York to Paris.

2 June 1957 (USA) – The first solo balloon flight into the stratosphere (the upper portion of the atmosphere above seven miles) was made by United States Capt. Joseph W. Kittinger, Jr. In his plastic balloon “Manhigh 1,” he stayed in the air for six hours, 36 minutes and reached an altitude of 96,000 feet.

5 June 1909 (France) – The first monoplane flight of over one hour was made by Englishman Hubert Latham on the “Antoinette IV” for one hour, seven minutes, 37 seconds.

11 June 1971 (Polar) – British pilot Shelia Scott made the first flight by a light plane from equator to equator via the North Pole. Flying in a Piper “Aztec D,” she covers 34,000 miles (54,718 km).

17 June 1928 (Canada/Wales) – Amelia Earhart became the first woman to fly across the Atlantic as a passenger with pilot Wilmer Stiltz and mechanic Louis Gordon on their flight from Newfoundland to Wales in a Fokker C-2. Less than four years later, she crossed the Atlantic alone.

19 June 1894 (England) – Frederick W. Lanchester, British aeronautical and automobile pioneer, announced his theory of circulatory air-flow to the Birmingham Natural History and Philosophical Society in England. This theory later became of pivotal importance in aerodynamics.

21 June 1913 (USA) – The first woman to make a parachute jump from an airplane is Georgia “Tiny” Broadwick. The 18-year-old American descended 1,000 feet over Los Angeles, California.

23 June 1905 (USA) – Wilbur and Orville Wright made their first flight of 1905 in Huffman Prairie, Ohio, in their new “Flyer III,” the first practical aeroplane in history.



26 June 1911 (USA) – As spectators watch in amazement, Lincoln Beachey flew his Curtiss pusher biplane over Horseshoe Falls, the most spectacular of the Niagara Falls.

27 June 1923 (USA) – The first refueling in mid-air (with hose) of one airplane by another was made by a De Havilland D.H.4-b from another one over San Diego, California. The planes were piloted by Capt. L. H. Smith and Lt. J. P. Richter.

