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Don't forget to order your DGR Manuals

Welcome to our Monthly Newsletter

The 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?

Virgin in Space UK



Virgin Orbit has been given the go-ahead to launch from Spaceport Cornwall and will be the first ever UK orbital mission.

Virgin Orbit's Start Me Up mission will launch out of Cornwall Newquay Airport. A modified Boeing 747 will carry a rocket that will be released in a designated launch location over the Atlantic Ocean. The craft was hoping to launch on December 14th but it has been delayed and may not become airborne until early 2023.

This won't be a first for Virgin Orbit. The aircraft has completed four successful flights from the Mojave Air and Space Port in southern California where they successfully sent dozens of small satellites into low Earth orbit for several customers.

Thermal Imaging to Control Feral Pests

[Drone pilots gaining the high ground in the fight against feral pests | Landline](#)

Australian RPAS (Remote piloted aircraft systems) company Field Master Systems recently received a grant to further their research. The grants were granted to several organisations and companies as part of the \$18 million Federal Government Emerging Aviation Technology Partnerships (EATP) program. Field Master Systems was featured on ABC's Landline 12 months ago.

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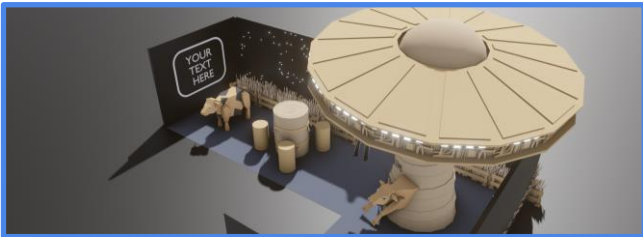
Latest Aviation News

Christmas Aircraft for Jetstar

Jetstar has taken delivery of two new A321XLRs – on Christmas Day. Jetstar CEO Gareth Evans states, “Our fleet of new NEOs will lift the bar on passenger comfort, and we’ve fine-tuned the cabin configuration to set a new standard of inflight experience for low-fare travel in Australia.” The aircraft will provide wider seats and overhead lockers for optimum passenger comfort. In-flight streaming services and USB charging stations are a feature of this plane. They also burn less fuel which is good news for the environment. Their advanced weather detection technology also means a smoother flight experience for the passenger.

While Qantas, Jetstar’s parent company, recently confirmed an order for 20 A321XLRs and 20 A220-300s, to phase in and replace its fleet of Boeing 737 and 717 aircraft.

Avalon Airshow 28 Feb - 5 March 2023



We are counting down to the Avalon International Airshow. Along with all the amazing air demonstrations and the chance to get up close and personal with some of your favourite aircraft, there will be some incredible exhibits and stands. The Australian Space Agency exhibition stand will feature a four-metre immersive tunnel that captures Australia’s proud history of space. Four lucky students and one teacher from the Geelong region will be going to Space Camp in the USA as part of the 2023 Endeavour Scholarship.

As a goodwill gesture, the Royal Australian Air Force (RAAF) participated in Operation Christmas Drop 22 alongside the United States Pacific Air Forces (PACAF), Japan Air Self-Defense Force (Koku-Jieitai), Royal New Zealand Air Force (RNZAF), and the Republic of Korea Air Force (ROKAF). The aircraft dropped gifts and humanitarian stores into remote communities in the Federated States of Micronesia, Republic of Palau, and the Commonwealth of Northern Marianas Islands.

The final 747

The 747 aeroplane first commenced production in 1967 in Washington, USA and went into service for Panam airways in 1970.

54 years later, the final 747 was produced at the Boeing Paine Field facility in Everett, Washington. The aircraft was the 1,574th 747 to be built by Boeing and will be delivered to Atlas Air this month.

Unlike its predecessors, which carried many a passenger and were utilised by airlines worldwide, the Atlas Air 747 will be used as a cargo carrier.



Dawn to Dusk Challenge - Australia in a day

Four amazing women who took part in the annual Dawn to Dusk Challenge - Australia in a day managed to raise over \$13000 for the Freda Thompson and Claire Embling Aviation Award to support women in aviation. They started their challenge from the tiny island of Flinders Island off Tasmania and touched down in the following regions.

- Latrobe Valley (Vic)
- Canberra (ACT)
- Cootamundra (NSW)
- White Cliffs (NSW)
- Moomba (SA)
- Birdsville (QLD)
- Ayers Rock (NT)
- Forrest (WA)

Theresa MacDonald, a pilot instructor, and her three crew - Gail Collins, Amanda Deed, and Jessica Phillips completed the challenge and flew approximately 2000nm and 12 hours of flying from Dawn to Dusk on the 7th of December 2022.

If you wish to contribute to their efforts, the GoFundMe page is still open for donations.

<https://www.gofundme.com/f/8xr7r-women-in-aviation>

Regulation Updates



IATA Dangerous Goods Manual (DGRs)

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) will become effective on 1st January 2023, and all other versions 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 are now also providing 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 but 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

2023 Deferred Provisions Timeline

According to the latest CASA Newsletter:

With 2023 just around the corner there are timelines that operators must meet to continue to be compliant with the flight operations rules.

They relate to provisions that we deferred for some operators and give you extra time to get ready.

To understand what deferred provisions you need to meet in 2023, [read on](#).

Training and checking:

Operators using CASA EX87/21 to defer their Part 119, 121, 133, 135, and 138 training and checking obligations must be ready to start using their new procedures by 2 March 2023.

You must submit documentation to CASA by the deadlines indicated. They depend on:

- how you currently operate
- what you already have in place.

These deadlines allow CASA to check draft documentation. They can then work with you on any changes before commencement.

Not every operator has to submit documents. The following information will help you determine if a requirement applies to you, what you must do, and by when.

These rules apply to those organisations that were operating on 1 December 2022. New applications must have these systems in place at the time of application.

This Month in Aviation History



3 January 1999 (USA) — NASA's Mars Polar Lander is launched aboard a Boeing "Delta II" booster from Cape Canaveral.

5 January 1959 (England) — The Fairey "Rotodyne," piloted by W. P. Gellatly and J. P. Morton, sets a world speed record for convertiplanes (or VTOL) of 190.9 mph over a 62-mile circuit.

7 January 1785 (England/France) — Jean-Pierre Blanchard and John Jeffries cross the English Channel in their hydrogen balloon from Dover, England to Calais, France.

8 January 1982 (France) — The Airbus A300 becomes the world's first wide-bodied airliner to be certified for operation by a flight crew of two.

9 January 1923 (Spain) — The first flight of a practical gyroplane or rotorcraft is made by Juan de la Cierva's C-3 "Autogiro," which Spenser Gomes flies in Madrid, Spain.

11 January 1935 (Hawaii/California) — Amelia Earhart becomes the first woman pilot to fly solo between Hawaii and the United States. She flies her Lockheed "Vega" across the eastern Pacific to Oakland, California, from Wheeler Field, Oahu, Honolulu. Landing after 18 hours 15 minutes.

15 January 1991 (Japan/Canada) — The first hot-air balloon to cross the Pacific Ocean takes off from Japan and lands in Canada.

21 January 1921 (Italy) — The first triple-triplane aircraft, and the first passenger-carrying aircraft designed to carry more than 100 people, is launched at Lake Maggiore, Italy. The flight attempt ends in failure when the 55,000 lb. flying boat nose-dives into the lake.

27 January 1894 (England) — Capt. B. F. S. Baden-Powel (the brother of the first Chief Boy Scout) makes a kite ascent from Pirbright Army Camp, England in what appears to be the first use of man-carrying kites outside China.

29 January 1959 (USA) — American Airlines used Boeing 707 jet airliners to become the first jet passenger service across the United States commences.

