



INTERNATIONAL FEDERATION OF AIRWORTHINESS

# ANNUAL REPORT

2021 /2022



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# President Statement

Although expected to be a year to re-build it turned into a stop start year. The first half of the year was again dominated by the impact of Covid 19. During the pandemic commercial aircraft were temporarily taken out of service. Many organisations expressed concern about bringing aircraft back into operations. IFA had specific concerns which were made clear to the membership and beyond. Apart from one or two notable occurrences safety has been maintained through the recovery.

The second half of the year has seen a global economic decline which has again led to uncertain times. Severe energy price increases, growing inflation, demand for higher wages at a time of component and staff shortages means it is a difficult time to raise prices and expand businesses.

Getting back to 'normal' was the key focus at the beginning of the year and the series of 'Thought Leadership' Webinars organised by Cengiz and John continued to be well received. It is more important than ever that organisations have an effective Safety Management System (SMS). Design, manufacturing, and maintenance organisations are taking stock of this need. After decades of experience, regulators are prepared to mandate these safety practices.

As we finished the year the new member inquiries were increasing but there is still much work needed to make sure that Airworthiness continues to be a top priority.

**Frank Turner**  
*President*



# Operational Overview

Through the year the global community continued to be affected by the COVID-19 pandemic. Fortunately, the roll out of vaccines had a major positive Impact on people's freedom to travel. Commercial aviation has started to get back to pre-pandemic traffic levels. The question moves on to can aviation achieve sustainability, and be resilient to further shocks?

Climate change continued to be the biggest long-term challenge. There's a recognition by aviation leaders of a need to speed responses. Necessary decarbonisation measures will create extra pressures for the industry. Safety and security must be upheld regardless of these pressures.

Aviation depends on international cooperation. That was severely undermined by Belarus and Russia. First by the forced landing of a Ryanair flight. Then with the Russian invasion of Ukraine.

Our year ended with political instability and an inflation surge. Operations in this situation have been both demanding and challenging. On the plus side it has opened an unprecedented period of creativity and innovation. The federation has fostered awareness of a key of developments. The momentum of a wave of digitisation is touching every aspect of aviation. That includes a need for greater resilience, in particular cyber-security. Electrification is gathering pace. As is the proliferation of small aircraft designs in work.

Addressing the needs for a new generation of aviation professionals continues to be a key part of our focus for the future. Upskilling the workforce and rapid adoption of innovative technologies will require significant efforts. Aviation must inspire, retaining and reward competent people.

The year was full of surprises as the first powered flight was achieved on another planet. The Ingenuity helicopter flew successfully on Mars.

Our mission is as important as it ever has been. Those who travel, airspace users and those on the ground demand aircraft be fit to fly. We know airworthiness, safety, and security are interwoven. These have been tough times, but the fundamentals remain constant.

**John Vincent**  
CEO



# Financial

International Federation of Airworthiness

Statement of Financial Activities  
for the Year Ended 30th June 2022

		General Fund £	Trust Fund £	30.6.22 Total Funds £	30.6.21 Total Funds £
<b>INCOME and ENDOWMENTS FROM:</b>	Notes				
<b>Charitable activities</b>					
Promoting airworthiness	1	8995	0	8995	1680
<b>Other trading activities</b>		175		175	
Investment Income		0	0	0	5
<b>TOTAL</b>		<b>9170</b>	<b>0</b>	<b>9170</b>	<b>14196</b>
<b>EXPENDITURE ON:</b>					
Raising funds		100	408	508	393
<b>Charitable activities</b>					
Promoting airworthiness		17475	0	17475	17741
Foreign exchange loss/(gain)		0	0	0	0
<b>TOTAL</b>		<b>17575</b>	<b>408</b>	<b>17983</b>	<b>18134</b>
Net gains/(losses) on investments			-7731	-7731	16990
<b>NET INCOME/(EXPENDITURE)</b>		<b>-8405</b>	<b>-8139</b>	<b>-16544</b>	<b>541</b>
Transfers between funds		0	0		
<b>Net Movement in funds</b>		<b>-8405</b>	<b>-8139</b>	<b>-16544</b>	<b>541</b>
<b>RECONCILIATION OF FUNDS</b>					
Total funds brought forward		13214	162224	175438	164400
<b>TOTAL FUNDS CARRIED FORWARD</b>		<b>4809</b>	<b>154085</b>	<b>158894</b>	<b>164941</b>

## Vision

We aim to be the most internationally respected independent authority on the subject of Airworthiness.

# Trustee Report

The Trustees track the state of the Barclays Charity Fund with a quarterly newsletter and periodic report from the Barclays. The Trust fund grew at the start of the year. However, from the beginning of 2022, the fund declined in value. Thus, the fund ended the accounting year down by approximately £8000. Recession fears have dominated markets. There was no withdraw of funds from the Barclays Charity Fund during this accounting year.

The Trustees get a detailed breakdown of costs and charges each year. Their preferred currency is Pound Sterling. An annual review of the fund objectives took place in April 2022, and it was agreed that the investment risk profile remains “moderate”. This investment fund is to be held over the long-term, that is for at least ten years. There are no plans for withdrawals in the coming year.

The Trustees confirm that the Annual Report and financial statements of IFA comply with the current statutory requirements.



## Outlook for future years

Compared to 2019, air traffic levels continue to recover. What has happened over the last few years has forced aviation organisations to be more efficient and robust in the face of difficulties.

After the reporting period, the ICAO Assembly has reached a long-term global aspirational goal for international aviation. The imperative to be more sustainability is present at all levels of activity.

For this aviation charity to continue to deliver a public benefit it must secure adequate funding and enthusiastic volunteers and focus on priority tasks. The medium-term outlook for finances, resources, and demands is a tough one.

IFA's vision and mission will continue to guide the organisation. This will encompass developing the talents of younger people. Educating, motivating, and informing people of the essential elements of airworthiness.



# Around the World

## Europe & Africa

- Aviation forums took place on a strategic and technical level, how to “build back better” aviation after COVID-19
- Safety Management Systems (SMS) are being introduced for airworthiness organisations
- Aviation groups on Artificial intelligence (AI) took first step towards building an AI community of practice for aviation



## Asia & Australasia

- Industry partners study use of hydrogen in Japan
- Supporting Next Generation of Aviation Professionals (NGAP) initiatives.
- Monitoring innovators in Urban Air Mobility (UAM) with the announcement to launch air taxi services in Singapore.



## Americas

- 8th meeting of the ICAO Airworthiness Panel (AIRP). The AIRP is a panels of experts established by and reporting to the ICAO Air Navigation Commission (ANC)
- Electrification: new and innovative vehicles, systems and equipment being introduced
- Questions about 5G radio interference impacting airworthiness



# Promoting Airworthiness International Impartial

## Awards

Grateful for the generosity of IFA Members, Cranfield University and SOFEMA Aviation Services we were able to offer two scholarship opportunities.

Solomon Obadimu was awarded the Summer Scholarship and attended the Cranfield University Airworthiness Fundamentals Course.



Rabindra Ramoutar, Head of Training at the Art Williams & Harry Wendt Aeronautical Engineering School, Guyana gained the Autumn 2021 Scholarship and selected to work for the SOFEMA EASA Part 145/147 Instructor Diploma.



# Technical Activities



## Safety

**EASA Rotorcraft & VTOL Symposium 2021.** IFA's CEO presented on "System Safety Objectives: One in a billion?" addressing rotorcraft system safety assessment.

**EASA SAFE 360°** - Safety in Aviation Forum for Europe. IFA's VP Technical contributed to safety planning work.

**Safety Management Seminar & Workshop** for Airworthiness Organisations & Practitioners by WEL at London Gatwick. IFA's CEO contributed to the programme.



## Webinars

**Human Factors Methods That Work.** IFA's first new webinar in August 2021. IFA's VP Technical welcomed internationally renowned human factors expert and IFA Whittle Safety Award Winner, Dr Hazel Courteney to present and discuss how 'human factors' is changing published design codes and offering tangible, practical techniques for design engineers.

**Advanced Air Mobility (AAM)** IFA webinar in November 2021. IFA's CEO was delighted to welcome Yves Morier, formerly of EASA and the French DGAC to the 2nd Thought Leadership Webinar. Yves's considerable experience was appreciated in discussing the complexities of airworthiness and operations and explain some of the difficulties and the current state of regulatory developments for AAM.



## Events

IFA highlighted and reported on innovation and technology issues.

Royal Aeronautical Society (RAeS) Airworthiness & Maintenance Specialist Group online talks

RAeS Webinar: Project Accelerating the Electrification of Flight (ACCEL) - Progress to first flight

RAeS Conference: Alternative Propulsion Systems – the Challenges and Opportunities for Aircraft Design.

ZeroAvia's Hydrogen Aviation Summit 2021

UK ATI event FlyZero: A vision for the future of zero-carbon emission.

EUROCONTROL's Stakeholder Forum online series.





## International



## Hot Topics



## Lessons Learned

**ICAO's Airworthiness Panel (AIRP)** held working group meetings during June and July 2021. IFA Observer, Trevor Woods participated in the meetings and provided an overview for members to comment. IFA provided feedback which was then considered at the November ICAO AIRP in Montreal.

**Confronting challenges of learning in complex systems:** Exploring the Boeing 737 Max safety crisis online workshop. IFA's CEO presented.

RTCA online event with the FAA Administrator. IFA reported to members.

November 2021 - IFA Webinar EUROCAE (Next Generation of Aviation Professionals) NGAP Workshop. Input from IFA was well received.

IFA monitored cyber security advancements aiming to ensure safety of international civil aircraft.

IFA commented on concerns that 5G networks could interfere with signals vital to the safe operation of aircraft.

IFA noted the Airworthiness Directives (ADs) that cleared the way for Boeing's 737 Max aircraft to return to flight operations.

The benefits of CO2 Detectors in General Aviation were highlighted.

IFA offered general advice on "The problem of bogus parts."

IFA observed aerospace supply chains reshape and the issues relating to the early retirement of aircraft types post-COVID pandemic.

**Cengiz Turkoglu**  
IFA VP Technical



# About IFA

## Volunteers

IFA's trustees wish to express their thanks to all the volunteers and aviation professionals who have done so much valuable work for our organisation. Thank you for supporting IFA during what can only be described as our most testing of times. There are many supporters and volunteers throughout the world and each one of you has helped deliver IFA's mission. Thank you.

The CEO, Board and Committee members receive no payment for their work, apart from the reimbursement of travel expenses. In the year of reporting, no volunteers received any remuneration or service fees from the charity.

## Trustees

IFA has five trustees. In the year of reporting, no trustees received any remuneration or payments from the charity. Trustees are responsible for the overall direction of the charity. Day-to-day activities, management and administration of the charity are delegated to the CEO and Secretariat. Trustees are appointed consistent with the constitution of IFA. Newly appointed Trustees are provided with a comprehensive induction pack covering all aspects of IFA's operation.

Name	Role	Date appointed
Frank Turner	Chair	3rd Nov 2015
Bob Simmons	Trustee	
Emma Bossom	Trustee	3rd Nov 2015
Michael Adams	Trustee	14 Dec 2018
Stewart John OBE	Trustee	Retiring 2022

## Officers

There is a President, a Chairman of the Board and such number of Vice Presidents and Vice Chairmen as the Board shall determine, an Executive Director and such other Officers and Assistants as the Board may from time to time appoint and be approved by the members at the next Annual General Meeting.

President - F. Turner  
Chief Executive Officer - J. Vincent  
Finance Director - Vacant  
Vice President Technical - C. Turkoglu  
Vice President Africa - J. Ajwanga  
Vice President Americas - J. Goglia  
Vice President Asia -

**Official Name**

The full title of the Organisation is The International Federation of Airworthiness for Aerospace Engineering, Maintenance and Continuing Airworthiness. For the ease of reference the title International Federation of Airworthiness or IFA is used.

**Investment Policy and objectives**

The charity maintains an investment portfolio of multi asset class and other investments. This is held as designated funds. The charity's policy is to keep a moderate risk investment portfolio, managed by Barclays, to provide capital growth.

**Reserves Policy**

It is the charity's policy to keep enough reserves to be able to meet 12 months of the charity's expenditure.

**Fundraising**

The charity does not raise funds from the public. The charity does accept donations from interested parties.

**Trading**

The charity does not have any trading subsidiaries.

**Land and Property**

This charity does not own and/or lease land or property

**Structure, Governance and Management**

The IFA is governed in accordance with the Constitution for the conduct of affairs of the International Federation of Airworthiness for Aerospace Engineering, Maintenance and Continuing Airworthiness (herein referred to as the Constitution) adopted 21st October 1991 (as amended February 2018). The objects of the IFA shall be:

1. to advance airworthiness and air safety for the benefit of the public
2. to advance education in aircraft engineering for the benefit of the public by the provision of scholarships

The ultimate authority of the IFA is vested in the General Meeting, composed of representatives of the Members of the IFA.

The IFA Board elected by the General Meeting, as provided for in the Constitution, shall exercise the functions of the IFA and with such powers as may be vested in its Members by Resolutions of the General Meeting.

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