

WORC 2024

World Overflight Risk Conference

Conference Agenda

The inaugural World Overflight Risk Conference 2024 is a landmark event presented by Osprey Flight Solutions, the European Union Aviation Safety Agency (EASA) and the University of Southampton's Department of Decision Analytics and Risk, providing a platform to collectively address and navigate the dynamic challenges posed by overflight risk.

Date: 2nd-4th July 2024

Location: Warsaw, Poland

Presented by: Osprey Flight Solutions, EASA and University of Southampton

In an industry first, the conference will bring together the three key stakeholders—regulators, operators, and insurers with the support of academia. This will enable us to break down silos and collectively ensure a safer and more efficient future for aviation.

The main objective of this conference is to support the aviation industry in shaping the future of overflight risk management. While the conference itself is a significant event, our aspirations extend far beyond its immediate duration.

By the end of WORC 2024, you will have had the opportunity to enhance your knowledge and skills around overflight risk-related processes and gaps, current industry initiatives, and gain specific tools to improve your risk assessments and enable proactive decision-making.

Key Themes

- ◆ Strategic insights into overflight risk management
- ◆ Collaboration and innovation for a safer operational environment
- ◆ Addressing challenges in airspace near conflict zones
- ◆ Advanced tools and methodologies for risk management

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Day 1: Leadership Day

PM Only

The Leadership Day aims to delve deep into the complexities and dilemmas faced by leaders when making decisions on overflight risk. The simplest solution may seem to be refraining from flying altogether. Such a decision is operationally and commercially unpracticable since any diversion from optimum routes poses a direct threat to the aviation industry's profitability, with significant implications for national economies. But cancelling flights is not the only option. The day will include sessions that will equip decision-makers with specific tools that harness predictive intelligence, empowering them to make proactive and timely decisions, thus enabling them to keep their assets safe while generating revenues.

Welcome Keynotes

The introduction to the Inaugural World Overflight Risk Conference provides insights into the elements that have shaped the conception of the conference and highlights the events key objectives. It sheds light on the driving force behind this gathering of industry leaders, experts, and stakeholders from across the globe, emphasising why addressing the challenges of overflight risk is so important in today's aviation landscape.

Joint Reflection: Evolution of the risk management practices of industry and regulators

In this reflective discussion, we will examine the evolution of risk management practices over the last decade. In outlining the lessons that have been learned and discussing the systemic challenges and vulnerabilities inherent in the aviation industry, we will explore the changes that have occurred and examine the improvements that have been made, including tools that have become available.

Coffee & Networking

Education keynote: Overflight Risk - A cross sector perspective

This keynote will draw on the experience of managing overflight risks from the perspective of governments, operators, and the insurance. Our keynote speaker will draw on his unique, cross-sector experience to highlight challenges, diverging priorities and key risks faced by key stakeholders.

Educational keynote: The Role of Predictive Intelligence in Protecting Passengers, Assets, and Revenues

In this keynote, we will delve into the fundamental principles of predictive intelligence and its applications for aviation risk management. We will discuss how predictive analytics and real-time data insights enable proactive decision-making, allowing decision-makers to anticipate and mitigate potential losses before they escalate, thus protecting their passengers, assets, and revenue.

Keynote & Leadership Panel: Business Continuity in an Era of Overflight Risk

Every decision concerning airspace restrictions sends ripples throughout industries, impacting not just airline operational costs, but also carbon emissions and the economies of nations. In this thought-provoking panel discussion, leaders will discuss the economic and environmental implications of airspace restrictions, and how to balance business continuity in an increasingly complex geopolitical environment. This panel will be followed up by a Q&A session.

Cocktails & Networking Reception

The Cocktail and Networking event will allow you to connect with industry leaders, decision-makers, and professionals across the aviation industry. This opportunity can be used to reflect on the valuable insights gained during the Leadership Day, and discuss industry trends, challenges, and emerging opportunities.

Day 2: Operational Day Full Day

On Day 2 of the conference, our focus shifts from leadership to operations. The aim of the Operational Day is to pinpoint existing gaps in current risk management processes. We will achieve this by delving into the perspectives of three key decision-making stakeholders in overflight risk— governments, insurers, and airlines— and understanding how they influence each other. This day serves as the core component of the conference, as our goal is to educate the participants on overflight risk and identify the necessary next steps for the industry to effectively address and close these gaps.

Regulators Sessions

Keynote: Balancing Secrecy and Insight - Harnessing the Power of Open-Source Intelligence in a Classified World

This keynote will cover the transformative shift as governments adopt open-source information alongside classified data. Discover how this shift has catalysed greater collaboration and information sharing across government departments and international borders, enabling more timely and informed decisions in today's rapidly changing environment.

Panel: Unveiling the Decision-Making Process Behind Governmental Airspace Restrictions and its impact on the Aviation industry

In this panel, our speakers will use their experience of managing regulatory activity in response to conflict zones to discuss the complex processes for publishing and lifting prohibitions. We will also delve into the timing and incentives behind governmental decisions to close or maintain open airspace. This unique panel will uncover the similarities and differences in approaches between governments affected by conflict, as well as those with global influence and reach.

Based on the insights gained during the introductions, the panellists will be involved in discussing the intelligence capabilities of governments in providing timely and accurate information to the industry and explore the role and impact of the airspace restrictions they impose on operations. This panel will be followed up by a Q&A session.

Coffee & Networking

Insurers Sessions

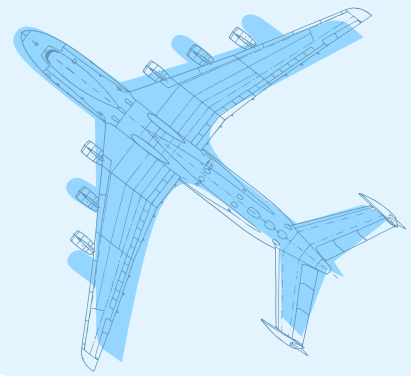
Education keynotes: The Changing Face of Conflict - Emerging Threats and Their Implications on the Aviation Industry

Four industry experts will each deliver concise keynote speeches addressing vulnerabilities posed by emerging threats in the aviation industry and suggest mitigation measures.

1. Global Navigation Satellite System (GNSS) Vulnerabilities: From Jamming to Spoofing
2. UAVs/Drones in Modern Warfare
3. Advanced MANPADS – New Capabilities in Surface to Air Weaponry
4. Tactical Nuclear Weapons

The Changing Face of Conflict. Are we ready?

In this panel, we will reflect on the latest developments in conflict as well as hull-war coverage and premiums, and their implications for both airlines and governments. We will scrutinise the balance between the intelligence pictures of regulators, operators, and the insurance sector, discussing whether decisions affecting airline operations are sufficiently dynamic. Finally, we will explore the measures being implemented to effectively manage the evolving threats from GNSS jamming and spoofing, UAVs/drones, Advanced MANPADS, and tactical nuclear weapons, ensuring we are as prepared as possible to meet the challenges posed by conflict's changing face. This panel will be followed up by a Q&A session.



Lunch & Networking

Operators Sessions

Education keynote: The Failure of Risk Management and How to Fix It

This keynote will provide techniques on probabilistic risk management and their application, particularly in the context of overflight risk within the aviation industry. Drawing upon insights from previous sessions, our expert speaker will provide practical examples and insightful analysis to illustrate the challenges and opportunities in this critical area.

Education keynote: Practical Application of Probabilistic Risk Mitigations in Overflight Risk.

This keynote will present research conducted by the University of Southampton in the field of data-driven overflight risk analysis. It will enable participants to understand various scientific elements taken into consideration while assessing and analysing overflight risks.

Airline Panel: Examining Airline Risk Assessment Gaps - A Deep Dive into Current Challenges

As complexity mounts and concerns over exposure and liability loom larger, operators are forced to navigate an evolving landscape of overflight risk. Our panel comprised of airline security and flight operation decision-makers will delve into the challenges faced by the airline industry as we transition from reactive decision-making practices to proactive risk assessments and strategic foresight. We will evaluate the effectiveness of existing intelligence capabilities and risk assessment processes and address the challenges arising from the absence of a cross-industry standard methodology and difficulties determining when to implement or remove mitigation measures.

Coffee & Networking

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Cross-Sector Panel: Breaking Silos in Overflight Risk Management

In this panel, representatives from governments, insurers, and airlines will use their unique roles and perspectives to collectively examine how each stakeholder contributes to the understanding and management of overflight risk. Together, they will analyse current gaps in overflight risk management, focusing particularly on the challenges posed by significant inconsistencies in the understanding of the global risk landscape. Drawing upon the diverse experiences and expertise of our panellists, we will explore different strategies employed by the industry to navigate these inconsistencies.

Reception Drink & Networking followed by a Gala Dinner

Day 3: Preparing for Tomorrow's Challenges AM Only

The final day of our conference aims to educate our participants and encourage tangible outcomes that will shape the future of overflight risk management. As we work to gain a deeper understanding of the gaps in overall flight risk management practices, the focus is on equipping attendees with valuable tools and insights to enhance their approach and ensure a safer and more efficient future for aviation.

Education: Insights from ICAO Doc 10084 - Risk Assessment Manual for Civil Aircraft Operations Over or Near Conflict Zones

This training session is designed to provide guidance to various stakeholders including governments, airlines (both civil and military), air navigation service providers (ANSPs), and other relevant entities on conducting risk assessments for civil aircraft operations over or near conflict zones. The session will focus on familiarizing participants with the content, utilization and implementation of the guidance within the manual, with a particular emphasis on the updates introduced in the latest edition published in 2023.

Cross-Sector Panel: ICAO Doc 10084 - 3rd Edition and Beyond

This cross-sector panel will bring together both producers and users of ICAO DOC 10084, a risk assessment manual for civil aircraft operation over or near conflict zones. Through dynamic discussions, panellists will explore strategies for efficiently utilizing the manual in daily operations while addressing overflight risk. An integral aspect of the panel will involve evaluating the strengths and identifying any existing gaps in the manual, working collaboratively towards the manual's continual improvement.

Coffee & Networking

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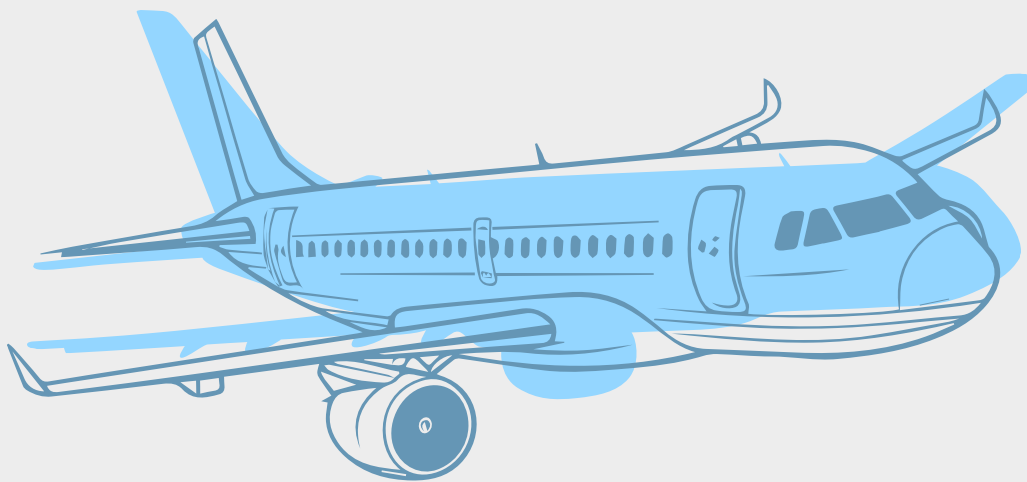
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Cross-Sector Panel: Navigating the Challenges of Reopening Airspace

This thought-provoking panel, comprising representatives from regulators, air navigation service providers and operators, will delve into the challenges of reopening airspace. While closing airspace and prohibiting flights is relatively more straightforward, the process of reopening airspace presents complexities and requires careful consideration. Throughout this session, we will critically examine the challenges associated with regaining trust and restoring normalcy after airspace closures. We will assess our capabilities to adjust our decision-making process in response to evolving circumstances, considering whether our choices rely on data-driven insights or intuition, as well as political willingness.

Conference Wrap Up

End of Conference



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