IFISQ2026

Targeting the next generation of Flight Inspection

SAN SALVADOR, EL SALVADOR

INTERNATIONAL FLIGHT INSPECTION SYMPOSIUM

04 — 08 MAY, 2026

HOSTED BY: COCESNA

IN COLLABORATION WITH: International Committee for Aerospace Standards and Calibration

JADE SPONSOR: aerodata

WELCOME TO

IFIS2026

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THE VALUE OF JADE AT IFIS 2026

IFIS 2026 takes place in Central America, the cradle of the Maya civilization.

For the ancient civilizations of the region, jade was considered even more valuable than gold. It represented life, wisdom, and permanence, and was reserved for rulers, priests, and ceremonies of great importance.

For that reason, Jade sponsorship level carries a special significance.

Beyond representing the highest level of support, jade symbolizes something deeply rooted in Mesoamerican cultural identity.

Inspired by this legacy, the Jade level at IFIS 2026 recognizes organizations whose contribution goes beyond traditional sponsorship sharing the vision of strengthening international collaboration, fostering innovation, and contributing to the sustainable growth of the sector.

Thus, Jade not only distinguishes a level of participation; it represents commitment, leadership, and a vision that endures over time.

CENTRAL AMERICA REGION

Cultural & Geographic Overview

BELIZE

With a unique blend of Caribbean, Mayan, and British cultures, Belize is known for its impressive barrier reef —the second largest in the world— as well as its linguistic and natural diversity.

HONDURAS

Honduras stands out for its archaeological richness, including the ancient Mayan city of Copán, and for its extraordinary biodiversity. Its strategic location in the Central American isthmus has historically fostered trade and regional connectivity.

NICARAGUA

Land of lakes and volcanoes, Nicaragua possesses one of the most extensive and diverse natural landscapes in the region. Its cultural identity combines indigenous, colonial, and Caribbean heritage, reflected in historic cities and vibrant traditions..

GUATEMALA

The heart of the Mayan world, Guatemala stands out for its cultural richness, ethnic diversity, and landscapes that combine volcanoes, jungles, and colonial cities. It is the largest economy in Central America and a strategic hub for commercial and cultural connections in the region.

EL SALVADOR

The smallest country in Central America is distinguished by its economic dynamism and its stunning Pacific coastline. With a history marked by resilience and transformation, El Salvador is now driving innovation, tourism, and regional development.

COSTA RICA

Globally recognized for its commitment to sustainability and environmental protection, Costa Rica is home to nearly 5% of the planet's biodiversity. Its democratic stability and leadership in ecotourism make it an international benchmark.

IFIS2026

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PRACTICAL INFORMATION

Side Events

Welcome Cocktail & Networking
Monday , May 4.

Thanks to Airfield Technology and Safran, we warmly welcome our especial guests with a cocktail reception.
Salvadorian cuisine will be the highlight of the experience.

Organized with the backing of:

AIRFIELD TECHNOLOGY

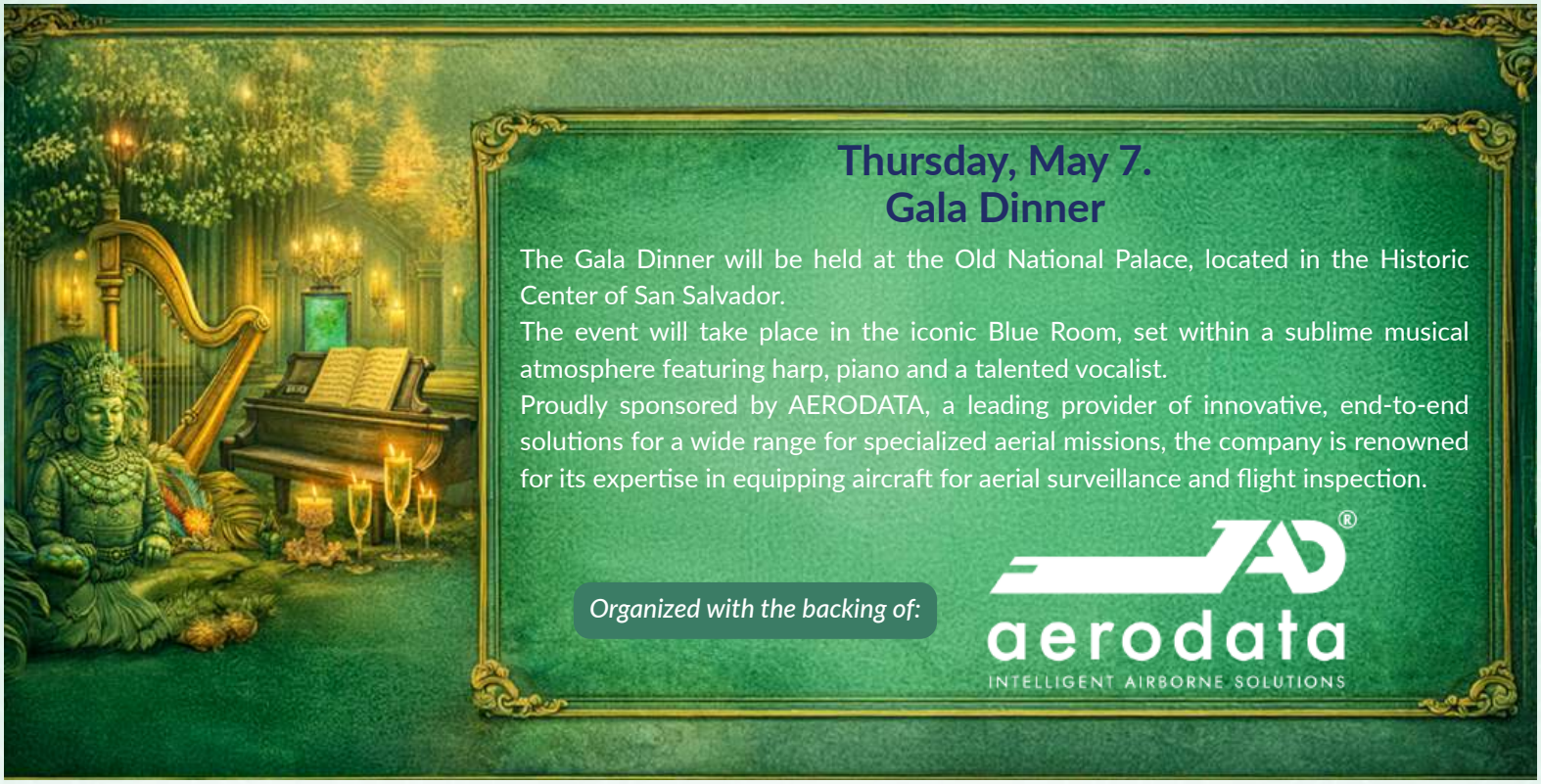
SAFRAN

Tuesday, May 5.
Cultural Dinner

The Cultural Dinner will be a spectacular show that blends the rich traditions of the six host countries: El Salvador, Guatemala, Honduras, Costa Rica, Nicaragua, and Belize.
Folk dances, music, and Central American flavors will come together in a vibrant evening filled with color, identity, and rhythm.

Organized with the backing of:

INDRA GROUP



Thursday, May 7.
Gala Dinner

The Gala Dinner will be held at the Old National Palace, located in the Historic Center of San Salvador.

The event will take place in the iconic Blue Room, set within a sublime musical atmosphere featuring harp, piano and a talented vocalist.

Proudly sponsored by AERODATA, a leading provider of innovative, end-to-end solutions for a wide range for specialized aerial missions, the company is renowned for its expertise in equipping aircraft for aerial surveillance and flight inspection.

Organized with the backing of:

aerodata
INTELLIGENT AIRBORNE SOLUTIONS

Photography policy

Your presence at IFIS 2026 implies your consent to be photographed, filmed, videotaped, or otherwise recorded by the organizing committee and its service providers.

This agreement includes authorization for your image or voice to be distributed in print or electronic media without any compensation.

Free WiFi

Wireless internet access is available in the plenary hall and exhibition area for all delegates:

Network name: **IFIS2026**

Password: **IFIS2026@**

WELCOME MESSAGE

Joseph Doubleday
Chairman, ICASC

On behalf of the International Committee for Airspace Standards and Calibration (ICASC), I am pleased to welcome you to the International Flight Inspection Symposium (IFIS) 2026.

IFIS brings together regulators, air navigation service providers, and industry experts dedicated to ensuring the safety, accuracy, and reliability of global air navigation systems. Flight inspection and calibration remain essential to maintaining the integrity and performance of CNS/ATM infrastructure worldwide.

This symposium provides an important forum to exchange knowledge, share operational experience, and advance best practices. ICASC remains committed to fostering international collaboration, supporting technical standardization, and promoting harmonized approaches across the global aviation community.

As Performance-Based Navigation (PBN) and satellite-based navigation capabilities continue to expand, the importance of robust, data-driven validation processes becomes increasingly critical. In particular, instrument flight procedure (IFP) flight validation plays a key role in ensuring procedures are operationally sound, safe, and aligned with real-world aircraft performance. These efforts underscore the need for precision, consistency, and global alignment in flight inspection methodologies.

I would also like to extend our sincere appreciation to COCESNA for hosting IFIS 2026, and to recognize the continued dedication and contributions of ICASC member organizations in advancing our shared mission.

We appreciate your participation and look forward to a productive and engaging symposium.

Sincerely,

Juan Carlos Trabanino
CEO, COCESNA

"Let everyone rise... let no one be left behind."

With these words, drawn from one of our Mayan codices, the Central American States, through COCESNA, warmly welcome this distinguished Flight Inspection community to IFIS 2026.

This distinguished gathering brings together authorities, manufacturers, service providers, related institutions, specialized workshops and aircraft modifiers, engineers, pilots, trainers, researchers, and many other professionals dedicated to the calibration and safety of our airspace.

We are fully aware that technology continues to advance at an extraordinary pace. For that reason, we encourage all of us to rise together — ensuring that no one is left behind.

We extend our sincere gratitude to our sponsors — AERODATA, INDRA, NSM, AIRFIELD, SAFRAN, and VOLARIS — as well as to the authorities who have placed their trust in this challenge, now transformed into a visionary project being held for the first time in Central America.

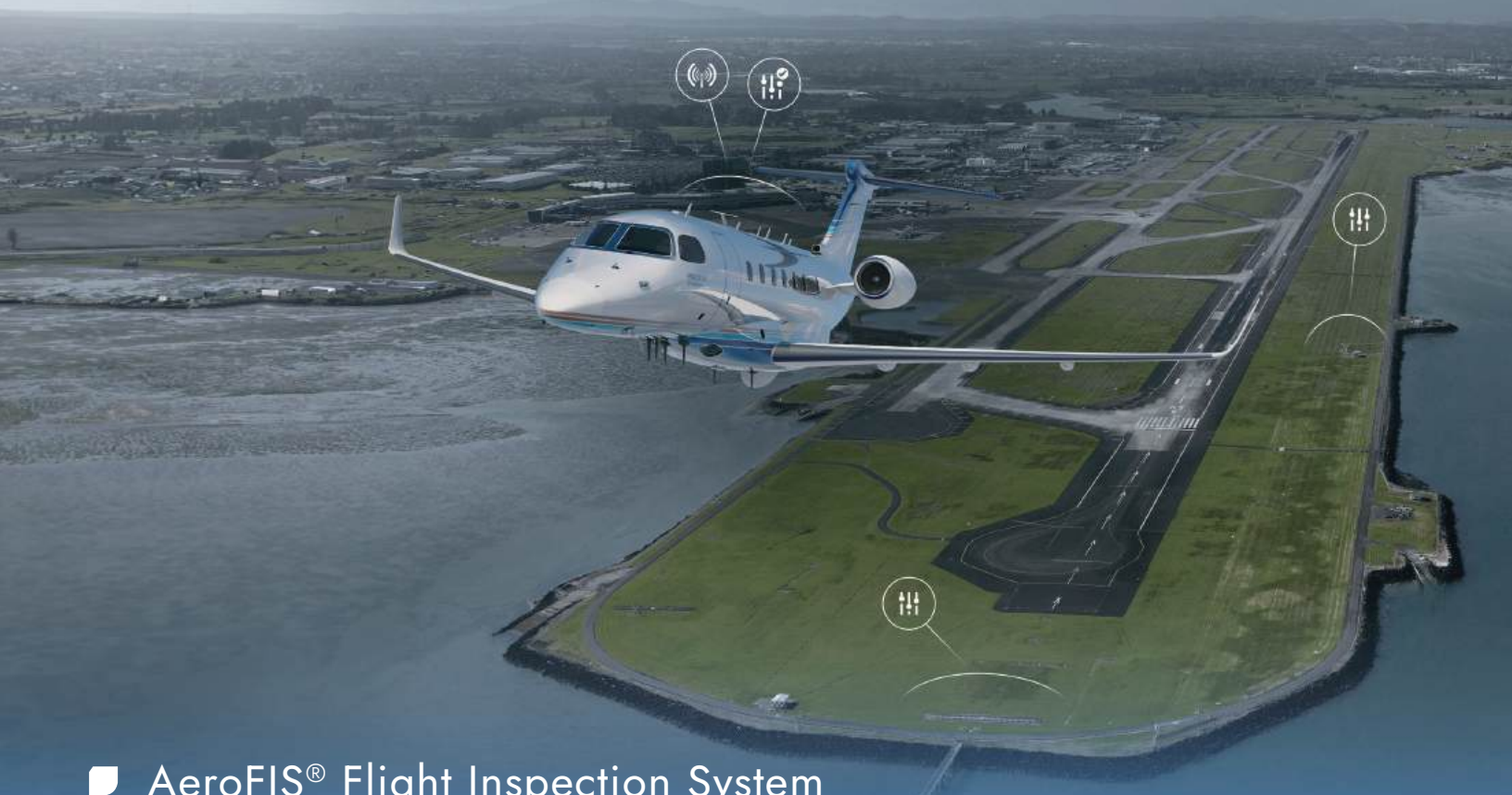
May this event serve not only as a platform to share knowledge, technology, and innovation, but also as a meaningful cultural experience that fosters exchange, cooperation, and strategic partnerships for the benefit of airspace safety.

Welcome to El Salvador.
Welcome to IFIS 2026.
Welcome to the heart of Central America.

IFIS 2026

FOCUS ON PRECISION

Flight Inspection Systems that set new Standards



- AeroFIS® Flight Inspection System
- GNSS Anti-Jamming & Spoofing Solution
- AeroFIS® Flybot (UAS)

aerodata®

JADE SPONSOR ----------> www.aerodata.de

Aerodata AG
Focus on Precision

As Jade Sponsor of this year's International Flight Inspection Symposium in San Salvador, we are delighted to support this international gathering of the flight inspection community. The event brings together all experts in the industry and offers an exciting overview of current developments, practical experience and technical solutions.

Many of the specialist presentations on the programme address challenges that have increased significantly in recent years. These include increased interference signals in the GNSS spectrum, more complex electromagnetic environments at airports, and rising demands on the accuracy and availability of modern navigation methods. These factors have a noticeable impact on operational work and require continuous further development in measurement methods, evaluation procedures and system technology.

We are contributing to the programme with several presentations of our own, showcasing our latest GNSS Anti-Jamming Solution, our further developments in navigation systems, and our unmanned aerial system for flight inspection. Our focus is on developing reliable solutions that support day-to-day operations and deliver even greater precision in the long term.

We would like to thank COCESNA and ICASC for their excellent organisation of the event and wish all participants a successful IFIS 2026.

EXHIBITIONS

The IFIS 2026 event, set to take place in El Salvador, represents a significant milestone for the global aeronautical industry. Events like IFIS provide a unique platform where engineers, manufacturers, policymakers, and innovators can exchange ideas, showcase technological advancements, and address the challenges shaping the future of aviation.

A key participant in this context is Indra Group, a leading manufacturer with strong capabilities in air traffic management, defense systems, and digital transformation. Indra Group contributes advanced solutions such as radar systems, navigation technologies, and integrated airspace management platforms that enhance safety, efficiency, and interoperability across global aviation networks.

One of the main benefits of IFIS 2026 is the acceleration of innovation. Collaboration between companies like Indra Group and international stakeholders enables progress in areas such as sustainable aviation, automation, and data-driven decision-making. These efforts are essential as the industry seeks to reduce environmental impact while maintaining operational excellence.

Furthermore, international forums like IFIS strengthen global partnerships and promote knowledge transfer. By engaging emerging regions and fostering talent development, IFIS 2026 acts as a catalyst for long-term growth, ensuring the aeronautical industry remains resilient, innovative, and globally connected.

DAY 1 | MONDAY, 04th May 2026

Programme Director: Miss Andrea Mariona

OPENING CEREMONY

09:30 **Welcome address**
Mr. Fernando Suriano, COCESNA's Board of Directors President

09:45 **Welcome address**
Mr. Homero Morales, Executive Director Civil Aviation Authority of El Salvador

10:00 **Welcome address**
Mr. Juan Carlos Trabanino, COCESNA's CEO

10:15 - 10:30 Coffee Break in Exhibition Hall

10:30 **ICAO Representative Speech**
Mr. Christopher Barks (NACC Regional Director)

10:45 **Welcome address**
Mr. Joe Doubleday ICASC Chairman

11:00 **Jade sponsor commercial presentation**
Mr. Thorsten Heinke (AERODATA)

12:00 - 13:00 Lunch in Swimming Pool Area

13:00 **Signature sponsor commercial presentation**
Mr. Atle Holm (Norwegian Special Mission)

13:30 **Gold sponsor commercial presentation**
Mr. Larry Brady (AIRFIELD TECHNOLOGY)

14:00 **Silver sponsor commercial presentation**
Mr. Alexandre Beisbart (SAFRAN)

14:30 - 15:00 Coffee Break in Exhibition Hall

SESSION 1 – Aircraft Connectivity || Moderator: Alexandre Beisbardt

15:00 **Integration of Aircraft /Connectivity Systems in Flight Inspection Environments**
Tracy Bohaboj

15:30 **On-board Internet for Flight Inspection Aircraft**
Mirko Stanisak

16:00 - 17:30 Welcome Cocktail – Networking in Exhibition Hall

Sponsored by: and

*Norwegian Special Mission is part of Sundt Group - **The one-stop-shop!***

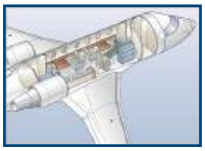
*Design and supply special mission systems: **Flight Inspection** and ISR.*

*Aircraft **maintenance** center with **integration** and **modification** facility (EASA Part 145 approved).*

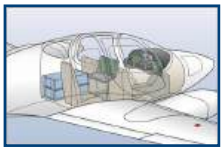
*Aircraft **design organization**, DOA (EASA Part-21 Subpart J approved).*

*Full **aircraft operator** organization (EASA Part-M approved).*

***Production organization**, POA (EASA Part-21G approved).*



UNIFIS 3000



UNIFIS 2000

UNIFIS 1000 (fixed wing)

UNIFIS 1000 (multicopter)

Norwegian Special Mission
Advanced Flight Inspection Solutions for a Demanding World

Norwegian Special Mission (NSM) was established to deliver advanced Special Mission solutions worldwide.

Built on long Norwegian traditions of aviation excellence, NSM combines operational insight with dedicated engineering expertise to meet the highest international standards.

The cornerstone of NSM's portfolio is UNIFIS 3000 G2, a high performance Flight Inspection Mission System developed as the next evolution of the proven UNIFIS 3000 product line. UNIFIS 3000 G2 is optimized for efficient operation and designed to handle the most demanding calibration and validation tasks with uncompromising accuracy and reliability.

The system features an innovative, lightweight, and fully modular console design, enabling flexible cabin configurations for both Flight Inspection and multi mission operations. Aviation certified hardware, advanced Human Machine Interface design, and software developed in accordance with the ED 109 quality assurance process ensure superior usability and long term performance.

UNIFIS 3000 G2 supports inspection and validation of all CNS and ATM elements, including ILS, VOR, DME, GBAS, SBAS, ADS B, ADS C, FANS and PBN (RNAV og RNP) applications.

Designed for a minimum operational lifetime of twenty years, it represents a secure and future proof investment.

Together with the Sundt Group, NSM delivers a complete and trusted Special Mission solution.

DAY 2 | TUESDAY, 05th May 2026

Programme Director: Miss Andrea Mariona

SESSION 2 – FIS Integration / Installation / Certification || Moderator: Sigurd Bjelkarøey

09:00 **EWIS Aircraft in Flight Inspection Certification Aspects and Challenges**
Stephan Kocks

09:30 **Advanced Environmental Simulation for the In-Flight Characterization and Verification of FIS Aircraft**
Mirko Stanisak

10:00 **Increasing Operational Flexibility: Mobile Web Applications for Flight Inspection**
Paul Frost

10:30 - 11:00 Coffee Break in Exhibition Hall

SESSION 3 – Flight Inspection Technology || Moderator: Adriano Rizzo Filippelli

11:00 **Theoretical Analysis of the DME Signal Strength in the Approach Direction under the Two-Path Model**
Sun Zhihao

11:30 **Improvement of Multipath Propagation by Modifying DME Antenna Radiation Patterns**
Yuki Hashimoto

12:00 - 13:00 Lunch in Swimming Pool Area
Sponsored by: Norwegian Special Mission

SESSION 4 – Flight Inspection Technology || Moderator: Frank Musmann

13:00 **Digital Flight Inspection Navigation Equipment**
Mirko Stanisak

13:30 **Autonomous Data Collection**
Andreas Kleffmann

14:00 - 14:30 Coffee Break in Exhibition Hall

SESSION 5 – Flight Inspection Technology || Moderator: Frank Musmann

14:30 **Efficient Flight Inspection Without Reference Station**
Mirko Stanisak

15:00 **Efficient Navaid Inspection with Drones**
Claus Wilkens

18:00 – 22:00 CULTURAL DINNER – Main Hall Sheraton Presidente
Sponsored by: INDRA GROUP

Airfield Technology is proud to support the International Flight Inspection Symposium 2026, a forum that remains essential to the integrity and advancement of global air navigation systems.

As a manufacturer of flight inspection systems, we operate at a point where precision engineering directly underpins operational safety.

We are especially honored to participate in this year's symposium hosted in El Salvador by COCESNA, an organization with which we have maintained a trusted partnership for more than 25 years.

Over that time, we have supported their mission through the provision of flight inspection systems designed to deliver consistent, high-quality measurement performance across a wide range of operational conditions.

Flight inspection is often viewed as a periodic validation activity, but its role is far more dynamic. In an environment of increasing air traffic demand, performance-based navigation, and evolving CNS infrastructure, the requirement for accurate, repeatable, and traceable measurements has never been greater.

The quality of inspection data directly influences the confidence that operators and regulators place in navigation aids and procedures.

As the industry continues to advance, the focus remains clear: ensuring that every system we deploy contributes to safe, reliable, and verifiable air navigation for the global aviation community.

DAY 3 | WEDNESDAY, 06th May 2026

Programme Director: Miss Andrea Mariona

SESSION 6 – Fligth Validation || Moderator: Florence Jacolot

09:00 **Flight Validation in Constrained Economic Environments: Optimizing Compliance, Efficiency, and Quality Through Intelligent Process Optimization**
Fabrizio Maracich

09:30 **Flight Validation between Procedure Development and database integrity issues: challenges of finding the right balance in the Flight Validation domain**
Thomas Wede

10:00 **From Signal Inspection to Data Validation: Safeguarding IFP Data Integrity for PBN Flight Validation with ARINC 424**
Sigurd Bjelkarøy

10:30 -11:00 Coffee Break in Exhibition Hall

11:00 **Applications of Artificial Intelligence in Flight Inspection and Procedure Validation**
Larry Brady

11:30 **Synergy between Artificial Intelligence and Role-Playing: A New Paradigm in the Training of Aeronautical Engineering Auditors.**
Dr. Rafael Alvarez-Nuila

12:00 - 13:00 Lunch in Swimming Pool Area

SESSION 7 – Flight Validation Workshop || Moderator: Thomas Wede & Fabrizio Maracich

13:00 **PBN implementation in Latin America; Flight Validation process and practical examples**
Fabrizio Maracich / Thomas Wede

14:00 - 14:30 Coffee Break in Exhibition Hall

15:45 Summary of the day

CARNAC
COST-EFFECTIVE & INNOVATIVE FLIGHT INSPECTION SYSTEMS SOLUTIONS

Tailor-designed for all types of aircraft and helicopters, CARNAC family products provide full flight inspection and flight validation capabilities. Using cutting-edge technologies, they also offer modular and flexible cost saving solutions improving Flight Inspection Services.

safran-group.com

SAFRAN

Safran group mission is to contribute to safer and more sustainable aviation.

Precision, integrity and continuity are crucial factors to ensure proper navigation and guarantee aviation safety. As an expert in electronics, Safran Electronics & Defense has been contributing to navaids flight inspection for more than 40 years with its CARNAC Flight Inspection System solutions.

Today, more than 25 territories over 4 continents are using Safran CARNAC solutions to calibrate their navigation aids or validate their instruments flight procedures.

Constantly innovating!
One of the key assets of CARNAC solutions is to focus on customers' needs and satisfaction. The CARNAC solutions have been developped in close cooperation with flight inspection experts and keep on evolving over the years.

CARNAC solutions now offers a range of flexible solutions to meet the needs and constraints of every operator whatever the aircraft type or size, in the most cost-effective way possible.

CARNAC product range is composed of the standard CARNAC MS (Modular System) which can be operated via a laptop or an outstanding dual-display operator console in cooperation with our partner Bromma Air Maintenance (BAM) of Sweden.

For smaller platforms, the CARNAC XS (eXtra Small System) is also available for installation on aircraft size like DA42/DA62/P2006T.

DAY 4 | THURSDAY, 07th May 2026

Programme Director: Miss Andrea Mariona

SESSION 8 – NAVAID's Inspection || Moderator: Asbjørn Madsen

09:00 **Glidepath Reference Datum Height Considerations and Recommendations**
Larry Brady

09:30 **An Overview of End Fire Glide Slope System Characteristics and Flight Inspection Methods**
Bradley Elliott

10:00 **Traps and Pitfalls 2026 Edition**
Frank Musmann

10:30 -11:00 Coffee Break in Exhibition Hall

SESSION 9 – NAVAID's Inspection & Radio Frequency Interference (RFI) || Moderator: Asbjørn Madsen

11:00 **Concept for Evaluation of the RNAV 5-Capability of Terrestrial Navigation Aids in Germany**
Anton Erbach

11:30 **Experiences with GNSS interference and methods how to overcome and detect GNSS interference**
Sigurd Bjelkarøy

12:00 - 13:00 Lunch in Swimming Pool Area

SESSION 10 – Radio Frequency Interference (RFI) || Moderator: Larry Brady

13:00 **GNSS Anti-Jam Systems for Civil Aviation**
Mirko Stanisak

13:30 **Implementation of UAS-Based ILS Flight Inspection Procedures in Colombia Advances, Operational Analysis, and Challenges**
Edgar Gómez

14:00 - 14:30 Coffee Break in Exhibition Hall

SESSION 11 – UAV Operations and Flight Inspection Applications || Moderator: Mike DiBenedetto

14:30 **A Decade of Operational Excellence in CNS Drone Inspection**
Hervé Demule

15:00 **Practical experiences using drones for reduced Flight Inspection on an operational airfield**
Ivo Wilmes

17:00 Buses depart from the Sheraton Presidente Hotel Lobby towards the Old National Palace.

19:00 – 22:00 **GALA DINNER – Former Government Palace of El Salvador**

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DAY 5 | FRIDAY, 08th May 2026

Programme Director: Miss Andrea Mariona

SESSION 12 – UAV Operations and Flight Inspection Applications || Moderator: Thomas Wede

09:00 **LED PAPI Calibration: Field Observations from UAV-Based Method**
Adam Rytter

09:30 **Standardized Application and Practice of UAS-based Navaid Lights Inspection in China**
Weiming Li

10:00 - 10:30 Coffee Break in Exhibition Hall

10:30 **Challenges for UAV Operations in RF Dense Aerodrome Environments**
Semahat Korkmazer

11:00 **Calibration of UAV-based Poppy Lights using the Level Run Method and RDH Obtaining Method in ILS System Commissioning**
Ebrahim Rahnma

11:30 Sumary of the day

12:00 **Closing**
Joseph Doubleday - Chairman, ICASC

ACKNOWLEDGMENT

We would like to express our sincere gratitude to the Civil Aviation Authority of El Salvador for its valuable support, which has been instrumental in the successful organization of this global symposium. This event brings together authorities, experts, and industry professionals with the aim of strengthening operational safety and promoting best practices in international civil aviation.

The IFIS organization promotes this gathering with the purpose of enhancing the safety of the airspace system by fostering excellence and competency in flight inspection and calibration services worldwide. In this context, the contribution of the Civil Aviation Authority of El Salvador is particularly significant, as it supports an initiative aligned with the objectives of the International Civil Aviation Organization (ICAO).

This initiative is focused on the harmonization of standards, technical exchange, and global capacity building, while also projecting and reinforcing El Salvador's image as a host committed to the highest standards of international civil aviation.

FEEDBACK

Please complete the IFIS event satisfaction survey by scanning the QR code below.

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04-08, MAY 2026 || EL SALVADOR, CENTRO AMERICA
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