CANSO LATIN AMERICA AND CARIBBEAN CONFERENCE 2017

SALVADOR | BRAZIL | 4-6 DECEMBER

Hosted by

Lead sponsor
CANSO – the Civil Air Navigation Services Organisation – is the global voice of air traffic management (ATM) worldwide. CANSO Members support over 85% of world air traffic. Members share information and develop new policies, with the ultimate aim of improving air navigation services (ANS) on the ground and in the air. CANSO represents its Members’ views to a wide range of aviation stakeholders including the International Civil Aviation Organization, where it has official Observer status. CANSO has an extensive network of Associate of Members drawn from across the aviation industry.
The Department of Airspace Control (DECEA) is responsible for the management of all activities related to the safety and efficiency of Brazilian airspace control. Its mission is to manage and control air traffic in Brazilian sovereign airspace, as well as guarantee its defense, acting in an integrated way in civil and military services.

As the main organization of the Brazilian Airspace Control System (SISCEAB), DECEA plans and approves the implementation of equipment and systems and oversees the technical and operational organizations responsible for the activities related to SISCEAB.

DECEA provides services such as aeronautical information system (AIS), air traffic management, aeronautical cartography, research and rescue, aeronautical meteorology, information technology, flight inspection, support for military air operation, aids for air navigation and aeronautical telecommunications.
Aireon is deploying a space-based air traffic surveillance system for ADS-B equipped aircraft throughout the entire globe. Aireon will harness next-generation aviation surveillance technologies that are currently ground-based and, for the first time ever, extend their reach globally to significantly improve efficiency, enhance safety, reduce emissions and provide cost savings benefits to all stakeholders. Real-time ADS-B surveillance will cover oceanic, polar and remote regions, as well as augment existing ground-based systems that are limited to terrestrial airspace. In partnership with leading ANSPs from around the world, like NAV CANADA, the Irish Aviation Authority (IAA), ENAV and Naviair, as well as Iridium Communications, Aireon will have an operational, global, space-based air traffic surveillance system by 2018.

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Aireon will harness next-generation aviation surveillance technologies that are currently ground-based and, for the first time ever, extend their reach globally to provide safety benefits to all stakeholders.

Live in 2018.
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Venue Details

CEMCOHA
Centro Militar de Convenções e Hospedagem da Aeronáutica
Av. Oceânica s/nº Ondina
Salvador-BA
Postal Code: 40170-010

Dress Code

4 December
Welcome Reception
Casual

5 December
Conference
Business Attire

Conference Dinner
Casual

6 December
Safety Workshop
Business Casual

Closing Dinner
Casual
Each year, CANSO hosts a number of global and regional events throughout the world. CANSO Members have exclusive access to these gatherings, which offer unparalleled opportunities to listen, learn, share and innovate. Save the date for the events happening in 2018.

## FORTHCOMING CANSO EVENTS

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
<th>Location</th>
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<tr>
<td>CANSO ATM Week 2018</td>
<td>5 - 9 March</td>
<td>Madrid, Spain</td>
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<tr>
<td>CANSO Asia Pacific Conference 2018</td>
<td>7 - 9 June</td>
<td>Bangkok, Thailand</td>
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<tr>
<td>CANSO Global ATM Summit and 22nd AGM 2018</td>
<td>10 - 13 June</td>
<td>Bangkok, Thailand</td>
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<tr>
<td>CANSO Global ATM Safety Conference 2018</td>
<td>26 - 30 November</td>
<td>Banff, Canada</td>
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### EXHIBITION AND SPONSORSHIP OPPORTUNITIES

CANSO events gather international experts at both a global and regional level and offer companies the opportunity to exhibit or sponsor. For more details, email Helen Parker: sales@canso.org

ENTER THE ATMOSPHERE FOR BUSINESS.

6-8 March 2018 | Madrid, Spain | IFEMA, Feria de Madrid

worldatmcongress.org

World ATM Congress 2018

@WorldATM_now
#WorldATM
BE PART OF THE FUTURE OF AIR TRAFFIC MANAGEMENT

Our Members are shaping the future for a safe, efficient and seamless airspace - join CANSO.

- Build your network through our global events and workgroups
- Access industry intelligence
- Take advantage of guidance materials and industry best practice
- Actively participate in the creation of policies and guidance
- Have your voice heard by governments, regulators and key stakeholders

canso.org
Dear colleagues,

Welcome to the CANSO Latin America and Caribbean Conference 2017. We come together during a pivotal time for the region as new relationships and collaborations are being forged, and new practices, processes and technologies are enabling significant progress in air traffic management (ATM) in the region.

As one of the fastest growing air transport regions in the world, Latin America and the Caribbean is rapidly expanding. Passenger numbers are rising and aircraft movements increasing both within the region and internationally. This growth represents both a challenge and an opportunity for air navigation service providers and suppliers to the industry, and together we need to make sure we are harnessing this momentum and delivering safe, efficient and effective ATM.

We should ensure that we are building robust relationships with industry stakeholders, regulators and our peers; sharing experiences, learning from each other, and developing innovative approaches to tackling common challenges.

We must also make the most of the tools and technologies available to harmonise operations and improve performance. Whether that is a pan-regional approach to air traffic flow management and collaborative decision-making, or working cross-industry to implement performance-based navigation and optimise airspace. This is greatly enhanced by embracing new technology, such as automation and artificial intelligence, which can further develop our service delivery.

And finally, we must not forget to strike an importance balance between pursuing innovation and maintaining excellent safety standards. Each has the potential to influence the other, and achieving both at a sustainable rate must be our goal in transforming global ATM performance.

All of these challenges, expectations and requirements are at the very core of why CANSO exists to serve its Members and why CANSO conferences such as this one are so important. We will hear and learn more about these topics and other important issues throughout this Latin America and Caribbean Conference. We hope that you take the opportunity to participate fully, ask questions and add your perspective.

I wish to thank DECEA for hosting the conference; as well as Aireon, the lead sponsor, and our other sponsors for their much-appreciated support.

I hope you enjoy your time here with us in Salvador, and join us in celebrating success.

Sincerely,

Jeff Poole
Director General
CANSO
Space-Based ADS-B: Latin America and Caribbean Benefits and Implementation Workshop
Venue: Auditorium

Space-based automatic dependent surveillance-broadcast (ADS-B) will revolutionise air traffic control operations by providing real-time air traffic coverage throughout the world, including oceanic and remote areas, where radar and ground-based ADS-B is not possible. Studies have shown safety will be enhanced and operational benefits from fuel and time savings can be achieved with the deployment of space-based ADS-B.

The first 30 satellites from the Iridium NEXT constellation of 66 have already been deployed and space-based ADS-B data is now accessible. From a simple concept in 2011, the technology is heading into reality and operations by mid-2018. This workshop will include topics that cover: how this technology will be implemented globally and in Latin America and Caribbean, how regulators are preparing for its implementation, the challenges and opportunities, and airspace users’ views about this upcoming tool for air traffic controllers, pilots and dispatchers.

- Ana Persiani, Regional Director, Latin America and Caribbean, Aireon
- Mayda Avila, Regional Officer, Communications Navigation Surveillance NACC Office, ICAO
- Bernard Gonsalves, Director of Global ATM, International Federation of Airline Dispatchers Association (IFALDA)
- Carlos Eduardo Pellegrino, Operations Director, AZUL Airlines

Hosted and sponsored by Aireon

16:00-18:00
Latin America and Caribbean CANSO CEO Committee (LAC3) Meeting
Venue: Auditorium, South Wing, Ground Floor

17:00-19:00
Conference Pre-Registration
Venue: Registration Desk, Foyer, South Wing, Ground Floor

19:00-21:00
Welcome Reception
Venue: Poolside Terrace, South Wing, Ground Floor
TUESDAY | 5 DECEMBER

08:00-09:00
Conference Registration
Venue: Registration Desk, Foyer, South Wing, Ground Floor

09:00-09:45
Opening Remarks
Venue: Auditorium, South Wing, Ground Floor

- Lieutenant-Brigadier Jeferson Domingues de Freitas, Director General, DECEA
- Agustin Rodriguez Grellet, Chief Executive Officer, EANA and Chair, Latin America and Caribbean CANSO CEO Committee (LAC3)
- Jeff Poole, Director General, CANSO
- Luis Felipe de Oliveria, Executive Director, ALTA

Keynote Speaker
- Paulo Kakinoff, Chief Executive Officer, GOL Airlines

Moderator: Javier Vanegas, Director Latin America and Caribbean Affairs, CANSO

09:45-10:45
ASBU and Implementation Challenge
Venue: Auditorium, South Wing, Ground Floor

The Aviation System Block Upgrades (ASBU) framework calls for global harmonisation, allowing air navigation service providers (ANSPs) to modernise their air traffic management (ATM) system at their own pace, based on their needs. This panel will discuss the challenges in implementing Block 0 modules and elements, and through a discussion with the audience, find solutions provided by other ANSPs to overcome such difficulties and comply with the implementation date. The discussion will include best practices among ANSPs, solutions providers to the ATM industry and aviation industry stakeholders; and will explore available technologies.

- Francisco Javier Fernadez Padiz, Deputy Director, ECNA
- Mayda Avila Sierra, Regional Officer Communications, Navigation and Surveillance, ICAO
- Roosevelt Pena, ATFM/CDM Project Manager, IDAC
- Francois Bardin, ATS Director, SITA
- Juliana Barros Goncalves, ATC Programme Manager, Atech

Moderator: Simon Hocquard, Chief Operating Officer, CANSO
Networking Break
Venue: Sala Estar, South Wing, Ground Floor
Sponsored by NORTHROP GRUMMAN

Data Sharing and ATFM
Venue: Auditorium, South Wing, Ground Floor
Implementing regional, networked air traffic flow management (ATFM) requires the establishment of collaborative decision-making (CDM) practices among regional and international aviation stakeholders. These methods provide the opportunity for exchanging operational information to facilitate and share situation awareness.

Sharing information among stakeholders is vital for successfully implementing ATFM capabilities and CDM processes in the region. This panel will provide a summary of ATFM and CDM implementation in the Latin America and Caribbean region; identify important steps in implementing standardised and harmonised ATFM/CDM procedures in the region; and agree procedures for successful implementation.

- **Teri Bristol**, Chief Operating Officer, FAA and Chair, Executive Committee, CANSO
- **Carlos Cirilo**, Regional Director, Safety and Flight Operations, The Americas, IATA
- **Cyriel Kronenburg**, Vice President, Aviation Services, Aireon
- **Fernando Soto**, ATFM Manager, COCESNA

Moderator: **David Rome**, Director Business Development, IDS - Ingegneria Dei Sistemi S.P.A

Lunch
Venue: Restaurant, Ground Floor, Main Building
Sponsored by JMA Solutions
SEANS-Safety Assessment Scenario
Venue: Auditorium, South Wing, Ground Floor

ANSPs worldwide are striving to continuously improve safety and efficiency. At the same time, ICAO requires ANSPs to implement safety management systems (SMS).

The CANSO Standard of Excellence for Air Navigation Services–Safety (SEANS–Safety) is an approach to assess and demonstrate the SMS maturity level of an ANSP. It provides an impartial, standardised means of assuring and demonstrating ANSP safety management capabilities both internally, to CANSO, and externally to regulators and ICAO. This session will simulate a SEANS-Safety evaluation performed on an ANSP. Participants will experience the process followed to determine the level of maturity of the SMS of an ANSP and showcase the importance of preparing ANSPs to measure their SMS maturity. The conference will be divided, with each section preparing and answering the evaluator’s checklist, acting as the ANSP being evaluated.

- **Greg Myles**, SEANS-Safety Programme Manager, CANSO
- **Kimberly Pyle**, Safety Programme Manager, CANSO

Networking Break
Venue: Sala Estar, South Wing, Ground Floor

Sponsored by **Northrop Grumman**

Automation and the Air Navigation System
Venue: Auditorium, South Wing, Ground Floor

The growth in air traffic is resulting in a surge in research and development in new technologies to meet the demand, and provide safer, efficient, cost effective air traffic services.

Automation plays an increasingly important role in air traffic management, enhancing situational awareness, increasing predictability, capacity and efficiency and improving air traffic flow. Automation provides better information, augmenting safety and improving decision-making by air traffic controllers. This session will explain the benefits, advantages and risks of automation in air navigation services; answer questions about technologies currently being explored to be implemented by different regional ANSPs; and look into how automation supports the development of artificial intelligence.
• **David Hansell**, Global Aviation Policy Lead, Facebook
• **Ori Shloosh**, Chief Executive Officer, IATAS
• **Gonzalo Alonso Pacheco**, Head of Commercial and International Business Development, ENAIRE
• **Luiz Nascimento**, Chief of Operations, DECEA

Moderator: **Francois Delille**, Director of Business and Product Strategy, ATM, Thales

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### 17:15-17:30
**Closing Remarks**
Venue: Auditorium, South Wing, Ground Floor

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### 19:00-22:00
**Conference Dinner**
Venue: Restaurant Yemanja

*Coaches depart CEMCOHA at: 18:30*
*Meeting point: Hotel Reception, Main Building*
*Coaches arrive back at CEMCOHA at approximately: 22:00*

Hosted by: [DECEA](#)
SAFETY WORKSHOP

Workshop Leaders:

- Kimberly Pyle, Safety Programme Manager, CANSO
- Greg Myles, SEANS Safety Programme Manager, CANSO

WEDNESDAY | 6 DECEMBER

08:00-09:00
Workshop Registration
Venue: Registration Desk, Foyer, South Wing, Ground Floor

09:00-10:30
Using the CANSO Standard of Excellence in Safety Management Systems to enhance your SMS
Venue: Auditorium, South Wing, Ground Floor

This day-long workshop will discuss the CANSO tools that allow an ANSP to conduct a gap-analysis of its safety management system (SMS). We will explore the questions designed to help an ANSP determine its SMS maturity level and compliance with ICAO Annex 19, discuss how to fill in the questionnaire, explain the intent behind the questions, and provide guidance on the evidence or justifications needed to complete the questionnaire.

At the end of this workshop you will have an improved understanding of the annual EUROCONTROL/CANSO SoE in SMS Maturity process, and be well positioned to undertake a SEANS-Safety assessment.

10:30-11:00
Networking Break
Venue: Sala Estar, South Wing, Ground Floor

Sponsored by NORTHROP GRUMMAN

11:00-12:30
Using the CANSO Standard of Excellence in Safety Management Systems to enhance your SMS – continued
Venue: Auditorium, South Wing, Ground Floor
12:30-13:30
Lunch
Venue: Restaurant, Ground Floor, Main Building

13:30-15:30
Using the CANSO Standard of Excellence in Safety Management Systems to enhance your SMS – continued
Venue: Auditorium, South Wing, Ground Floor

15:30-16:00
Networking Break
Venue: Sala Estar, South Wing, Ground Floor

16:00-17:00
Using the CANSO Standard of Excellence in Safety Management Systems to enhance your SMS – continued
Venue: Auditorium, South Wing, Ground Floor

17:00-17:30
Presentation of Workshop Certificates
Venue: Auditorium, South Wing, Ground Floor

19:00-22:00
Closing Dinner
Venue: Salão de Festas, First Floor, Main Building

Hosted by

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JMA Solutions

NORTHROP GRUMMAN

DEGRA
Departamento de Controle do Espaço Aéreo
Aireon is deploying a space-based air traffic surveillance system for ADS-B equipped aircraft throughout the entire globe. Aireon will harness next-generation aviation surveillance technologies that are currently ground-based and, for the first time ever, extend their reach globally to significantly improve efficiency, enhance safety, reduce emissions and provide cost savings benefits to all stakeholders. Real-time ADS-B surveillance will cover oceanic, polar and remote regions, as well as augment existing ground-based systems that are limited to terrestrial airspace. In partnership with leading ANSPs from around the world, like NAV CANADA, the Irish Aviation Authority (IAA), ENAV and Naviair, as well as Iridium Communications, Aireon will have an operational, global, space-based air traffic surveillance system by 2018.

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Atech, an Embraer Group company, is specialized in developing solutions to support decision making. Focused on air traffic market, provides full-featured air traffic management systems that rely on world-class technologies and decades of experience, in close collaboration with air navigation service providers (ANSP), with activities ranging from ATM system operational concept development, project planning, design, procurement, system integration, implementation, transition, training, integrated logistics and up to long-term organizational support.

Responsible for the development and implementation of the Brazilian ATC systems, as well as the development and modernization of Brazilian ATFM systems, Atech has already implemented its solutions abroad.

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IDS’s Air Navigation Division develops and supports highly customizable commercial software solutions for both civil and military customers in the aeronautical fields of communications, navigation, surveillance and air traffic management. It provides integrated systems for instrument flight procedure design and ground validation, a comprehensive suite of applications for aeronautical information management, navigation aids performance assessment, radar siting and electromagnetic compatibility analysis.

IDS has a strong customer focus and is committed to meeting customer requirements with high quality innovative solutions.

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Harris Corporation is a leading technology innovator, solving customers’ toughest mission-critical challenges by providing solutions that connect, inform and protect. Harris supports government and commercial customers around the world. Learn more at harris.com.

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Indra is a leading company in the international market in air traffic management and control systems. Indra has been supplying air traffic management systems around the world for more than 95 years, having supplied over 4000 air traffic management installations in over 160 countries. Indra Navia designs, produces, and integrates cutting-edge communication, navigation, and tower systems for the world’s leading airports and air traffic control organizations. Specializing in highly customized solutions, the company delivers outstanding long-term value under the most demanding conditions. More than 1200 airports around the world rely on GAREX, NORMARC and InNOVA for its reliability, proven track-record and low lifecycle cost.

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Headquartered in Washington, DC, JMA Solutions is an award-winning consulting firm with more than 12 years of experience delivering extraordinary customer service to the Federal Aviation Administration (FAA). JMA Solutions is a Service-Disabled Veteran-Owned, Certified Woman-Owned, Disadvantaged Business Enterprise and ISO 9001:2008 Certified company. We offer access to a network of subject matter experts who collaborate with our clients on critical short-and long-term projects. JMA’s reputation is built on our commitment to our client’s values and our reputation for exceeding their business needs with exceptional results. JMA’s visionary leadership continues to innovate and develop results-driven tactics to fulfil the client’s mission.

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A committed partner to air navigation service providers (ANSPs), airlines, airports, and civil aviation authorities worldwide, Metron Aviation is the most trusted and proven innovator in the air traffic management (ATM) industry. Metron Aviation has an honored past of developing ATM and air traffic flow management (ATFM) solutions for the global aviation industry, since its inception in 1995. Now, a team of operational authorities, the brightest minds in science and math as well as cutting-edge technology experts, Metron continues to provide cutting-edge solutions to vexing ATM challenges, with ATFM systems operational on five continents.

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EXHIBITOR

Micro Nav Limited, formed in 1988, is a leading specialist company developing and supplying air traffic control (ATC) and air defence (AD) simulators and training systems. This has been recognised with two Queen’s Awards.

From designing and building the BEST (Beginning to End for Simulation and Training) simulator, through to data preparation and staff training, Micro Nav provides the complete solution for over 60 clients worldwide with Micro Nav BEST systems being used to train air traffic controllers at some of the busiest airports in the world, including Heathrow and Dubai.

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SITAONAIR is the air travel industry’s trusted connected aircraft service expert. With its unrivalled industry-backed heritage, SITAONAIR empowers 400+ airlines, 14,000+ aircraft and 30+ operators to navigate the complexity of connectivity and unlock connected aircraft value. We work in partnership with the air travel community, helping support its digital transformation, to unlock the true value of data, grow ancillary revenues, and enhance the passenger experience, operational efficiency and airline safety.

Our co-created solutions for passengers, cockpit and cabin crew, and aircraft data management, equip the industry to address the challenges and value-generating opportunities it presents. We support Air Navigation Service Providers in defining and implementing next generation solutions of Air Traffic Management. SITAONAIR is a subsidiary of the SITA Group, which is airline-owned, and airline focused.

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NETWORKING BREAK SPONSOR AND EXHIBITOR

For 50 years Park Air has been the leading provider of ATM communications with an installed base in 180 countries; our latest Sapphire range of VHF/UHF radio systems are being delivered globally. Today, we recognise your emerging challenges of protecting your networks as you migrate to IP, so we are focusing on delivering a range of products and services that are specifically designed to protect ATM networks from the growing threat of online attack. Our cutting-edge security solutions and unrivalled expertise, backed up by Northrop Grumman’s 30 years of cyber proficiency, makes us a trusted partner in protecting your networks.

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A world leader in ATM, Thales combines more than 80 years in development and deployment, an unrivalled worldwide installed base, advanced technology and ground-breaking innovations to deliver solutions that are continually adapted to the ever-changing aviation system’s needs. Thales is trusted by key ATM decision makers across more than 170 nations, and helps key decision makers master complexity and make timely decisions for better outcomes. With engagement in all major ATM modernisation initiatives, ICAO ASBUs, SESAR and NextGen, Thales focuses on international harmonisation. Our strong involvement in these initiatives, and the alignment of our product roadmaps, ensures that our solutions have been extensively tested, certified and validated.

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thalesgroup.com
Comprehensive and Integrated Training

Aviation System Block Upgrade (ASBU)

Methodology and Best Practices for ASBU Implementation

More Information and Registrations
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