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Global ATM Safety Conference 2018

26-30 November, Banff, Canada

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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 Members drawn from across the aviation industry.



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We are Canada's private sector civil air navigation service provider, managing 3.3 million flights a year in more than 18 million square kilometres of Canadian domestic and international airspace.

With operations from coast to coast to coast, our team of dedicated professionals provide air traffic control, flight information, weather briefings, aeronautical information services, airport advisory services and electronic aids to navigation to our more than 40,000 customers.

Safety is the common thread that links all our activities — from delivering air traffic services to designing, building and maintaining essential systems. Our efforts are supported by a mature and compliant Safety Management System (SMS), and a strong company-wide safety culture.

We collaborate with aviation stakeholders and partners

in Canada and internationally to proactively identify and manage safety risks, and to implement initiatives to improve aviation safety, in the air or on the ground. We also participate in international forums to develop safety-related best practices.

We have been recognized for our safety record, technology innovation, sound business practices and community involvement, and we are a proud partner of the global air transportation industry. Our air traffic management systems are used by air navigation service providers in countries worldwide.

We are a founding partner of Aireon LLC, an international joint venture deploying a space based Automatic Dependent Surveillance-Broadcast (ADS-B) system that will expand air traffic surveillance to all regions of the globe.

navcanada.ca



WE ARE NAV CANADA

As Canada's Air Navigation Service Provider, we work with our customers and partners each and every day to keep our skies safe and aircraft moving efficiently.

We are dedicated to providing excellent service to our customers and to maintaining our strong safety and performance record by building on our strengths, our people, and our technology.

NAV CANADA is proud to support the 2018 CANSO Global ATM Safety Conference to promote safety, collaboration, and a strong aviation industry.

Sponsored by **AIREON**



Aireon is deploying a space-based air traffic surveillance system for Automatic Dependent Surveillance-Broadcast (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 air traffic 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 Air Navigation Service Providers (ANSPs) from around the world, like NAV CANADA, the Irish Aviation Authority (IAA), ENAV, NATS, Naviar, as well as Iridium Communications, the satellite constellation allowing for global air traffic surveillance will be complete at the end of 2018.



SPACE-BASED ADS-B

MAKING GLOBAL AIR TRAFFIC SURVEILLANCE A POWERFUL REALITY

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.

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FOREWORD BY

Jeff Poole,
Director General,
CANSO

Dear Colleagues,

Welcome to the CANSO Global ATM Safety Conference 2018 – the annual event for ATM safety specialists and innovators from around the world. I wish to thank NAV CANADA for hosting this event in such a spectacular setting, and also lead sponsor Aireon and our other sponsors for their support.

Our industry faces the challenges of a continuing strong growth in the demand for air traffic services. Meanwhile, airspace users are evolving, now including unmanned aerial systems, high altitude and space vehicles, and supersonic jets. To integrate these new entrants, we must embrace new technologies and potentially new ways of safely managing our airspace.

Transformative technology such as space-based surveillance can provide us with a clearer picture of our operations, and allow us to collect the safety data we need to manage these new entrants. The data generated by new technology and the analysis of data

can therefore offer us a significant opportunity for monitoring and measuring safety and facilitating a safe and seamless airspace.

With new technology also comes challenges, and we must recognise the importance of cyber-security as a key feature of safe operations. From protecting our data to exchanging information regarding threats, vulnerabilities and solutions, the industry must work together to safeguard its operations in the digital sphere. The role of the human becomes even more important in this new age, so we must ensure a strong focus on human performance management.

The CANSO Global ATM Safety Conference 2018 sessions will offer numerous opportunities to gain insight into these issues and many more, and for you to share your experiences and learn about practical solutions. I hope you find the event interesting and informative and a good opportunity to explore key safety issues with the world's ATM safety experts and thought-leaders.

I wish you a very productive, highly relevant and enjoyable time in beautiful Banff.

Sincerely,

A stylized, handwritten signature in dark ink, appearing to read 'Jeff Poole'.

Jeff Poole
Director General
CANSO



PROGRAMME AT-A-GLANCE



SUNDAY 25 NOVEMBER 2018

09:00-14:00

**Safety Standing Committee (SSC) Steering
Committee Meeting** *CLOSED SESSION*

📍 Norquay Room, Level 1 Mezzanine



MONDAY 26 NOVEMBER 2018

08:00-08:30

Registration for Identified Data Session *CLOSED SESSION*

📍 Alhambra Foyer, Level 2 Mezzanine

08:30-16:30

Identified Data Session *CLOSED SESSION*

📍 Alhambra Room, Level 2 Mezzanine

18:00-19:00

Conference Pre-Registration

📍 Alhambra Foyer, Level 2 Mezzanine

19:00-21:00

Welcome Reception

The dress code is business casual. Collared shirts, jacket and ties for men, trouser suit or smart dress for women.

📍 Ivor Petrak Room, Level 2 Mezzanine

Hosted by



TUESDAY 27 NOVEMBER 2018

07:30-08:00

Conference Registration

📍 Rio Parana Foyer, Lower Ground Floor

08:00-16:15

CANSO Global ATM Safety Conference 2018

📍 Alhambra Room, Level 2 Mezzanine

19:00-22:00

CANSO Global Safety Achievement Award Dinner

The dress code is gala. For men jackets and ties are required.

📍 Mount Stephen Hall, Level 1 Mezzanine

Hosted by





WEDNESDAY 28 NOVEMBER 2018

08:00-08:30

Conference Registration

📍 Alhambra Foyer, Level 2 Mezzanine

08:30-16:15

CANSO Global ATM Safety Conference 2018

📍 Alhambra Room, Level 2 Mezzanine



THURSDAY 29 NOVEMBER 2018

08:00-08:30

Conference Registration

📍 Alhambra Foyer, Level 2 Mezzanine

08:30-16:00

CANSO Global ATM Safety Conference 2018

📍 Alhambra Room, Level 2 Mezzanine

19:00-22:00

Closing Dinner

Please meet in the Fairmont Banff Springs hotel lobby for an 18:15 departure.

Please bring warm and waterproof clothing and practical footwear for pre-dinner, outdoor activities.

📍 Mount Norquay Ski Lodge

Hosted by 



FRIDAY 30 NOVEMBER 2018

07:30-08:00

Conference Registration

📍 Alhambra Foyer, Level 2 Mezzanine

08:00-16:30

CANSO Global ATM Safety Conference 2018

📍 Alhambra Room, Level 2 Mezzanine



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CONFERENCE PROGRAMME



SUNDAY 25 NOVEMBER 2018

09:00-14:00

Safety Standing Committee (SSC) Steering Committee Meeting *CLOSED SESSION*

📍 Norquay Room, Level 1 Mezzanine



MONDAY 26 NOVEMBER 2018

08:00-08:30

Registration for Identified Data Session *CLOSED SESSION*

Open to participants of the closed sessions only.

Please note that all sessions taking place on Monday 26 November are open to CANSO Full Members only and invited guests who have submitted identified safety data and have signed the data agreement.

📍 Alhambra Foyer, Level 2 Mezzanine

Identified Data Session *CLOSED SESSION*

The identified data sessions will share the results of the 2018 CANSO Safety Benchmarking effort, allowing for comparative analysis of IFR-IFR losses and runway incursions.

This will be followed by presentations on the outcomes of the *EUROCONTROL/CANSO Standard of Excellence in Safety Management Systems 2018 Measurement Questionnaire*, used by ANSPs to measure their SMS maturity levels.

08:30–08:45

Welcome and Opening *CLOSED SESSION*

📍 Alhambra Room, Level 2 Mezzanine

- Steve McMahon, Deputy Vice President Safety and Technical Training, FAA ATO and Chair, Safety Standing Committee, CANSO

08:45-10:30

Identified Data Results *CLOSED SESSION*

📍 Alhambra Room, Level 2 Mezzanine

During this session the results of the 2018 CANSO Safety Benchmarking effort will be presented, allowing for comparative analysis of IFR-IFR losses, runway incursions and of the *EUROCONTROL/CANSO Standard of Excellence in Safety Management Systems 2018 Measurement Questionnaire results*.

- Heather Henderson, Director Corporate Safety and Quality Oversight, NAV CANADA and Co-Chair, Safety Performance Measurement Workgroup, CANSO
- Bruno Ochin, Manager Safety Performance Measurement, NAV CANADA
- Roger Dillon, Head of Safety and Quality, NATS and Co-Chair, Future Safety Development Workgroup, CANSO
- Claire Marrison, Manager, Strategy Systems and Analysis, Airservices Australia and Co-Chair, Future Safety Development Workgroup, CANSO

10:30-11:00

Networking Break

Open to participants of the closed sessions only.

📍 Alhambra Foyer, Level 2 Mezzanine

11:00-12:00

Use of ADS-B data for automated loss of separation detection

CLOSED SESSION

📍 Alhambra Room, Level 2 Mezzanine

This session will look into the results from the MITRE Corporation on the use of ADS-B data for automated detection of losses of separation.

- Saam Ahmadi, Principal Data Scientist, The MITRE Corporation-CAASD

12:00-13:00

Lunch

Open to participants of the closed sessions only.

📍 Alhambra Foyer, Level 2 Mezzanine

13:00-14:30

Comparative Analysis **CLOSED SESSION**

📍 Alhambra Room, Level 2 Mezzanine

Speakers will provide a summary of the comparative analysis activities that are currently underway.

- Sam Espig, Manager External Safety, NATS
- Mike Balder, National Quality Assurance Manager, FAA ATO
- Bruno Ochín, Manager Safety Performance Measurement, NAV CANADA
- Anne Chavez, Head of Safety and Quality, Avinor ANS

14:30-15:00

Networking Break

Open to participants of the closed sessions only.

📍 Alhambra Foyer, Level 2 Mezzanine

15:00-16:00

Risk based event detection CLOSED SESSION

📍 Alhambra Room, Level 2 Mezzanine

The CANSO Safety Performance Management Workgroup reports back on risk based event detection work carried out by FAA ATO and NATS.

- Sam Espig, Manager External Safety, NATS
- Mike Balder, National Quality Assurance Manager, FAA ATO

16:00-16:30

Summary of the day CLOSED SESSION

📍 Alhambra Room, Level 2 Mezzanine

- Steve McMahon, Deputy Vice President Safety and Technical Training, FAA ATO and Chair, Safety Standing Committee, CANSO

18:00-19:00

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📍 Ivor Petrak Room, Level 2 Mezzanine

Hosted by





TUESDAY 27 NOVEMBER 2018

07:30-08:00

Conference Registration

📍 Alhambra Foyer, Level 2 Mezzanine

08:00-09:00

Opening Ceremony

📍 Alhambra Room, Level 2 Mezzanine

The Opening Ceremony will provide high-level overviews on the state of safety in air traffic management.

- Neil Wilson, President and CEO, NAV CANADA
- Rudy Kellar, Executive Vice President, Service Delivery, NAV CANADA and Vice Chair and Safety Champion, CANSO Executive Committee
- Simon Hocquard, Deputy Director General, CANSO
- Edward Sims, President and CEO, WestJet

Master of Ceremonies: Rudy Kellar, Executive Vice President, Service Delivery, NAV CANADA and Vice Chair and Safety Champion, CANSO Executive Committee.

09:00-10:00

Conference Objectives and Agenda

📍 Alhambra Room, Level 2 Mezzanine

The CANSO Safety Standing Committee (SSC) will provide an overview of this year's themes, activities and goals, as well as review the progress made since the CANSO Global ATM Safety Conference 2017 in Sydney.

- Steve McMahon, Deputy Vice President Safety and Technical Training, FAA ATO and Chair, Safety Standing Committee, CANSO
- Osman Saafan, Director Corporate Safety and Security Management and Military Affairs, DFS Deutsche Flugsicherung GmbH and Vice Chair, Safety Standing Committee, CANSO
- Kimberly Pyle, Safety Programme Manager, CANSO

10:00-10:30

Networking Break

📍 Alhambra Foyer, Level 2 Mezzanine

10:30-11:00

Standard of Excellence in Human Performance Management

📍 Alhambra Room, Level 2 Mezzanine

This session will provide an overview of the *CANSO Standard of Excellence in Human Performance Management*, initiated to share best practices and provide guidance material that supports ANSPs in developing human performance management programmes. The presentations will include a brief introduction to the *Standard of Excellence in Human Performance Management*, its contributors and a summary of the work done within the CANSO Human Performance Management Task Force between 2016 and 2018.

- Remi Joly, National Manager Human Factors, NAV CANADA and Co-Chair Human Performance Management Task Force, CANSO
- Jörg Leonhardt, Head of Human Factors and Ergonomics, DFS Deutsche Flugsicherung GmbH and Co-Chair Human Performance Management Task Force, CANSO
- Neil May, Head of Human Factors, NATS and Co-Chair, Human Performance Management Task Force, CANSO

11:00-12:00

Workshop: Standard of Excellence in Human Performance Management

📍 Alhambra Room, Level 2 Mezzanine

The workshop will explain the CANSO *Standard of Excellence in Human Performance Management* in further detail, showcasing how it can be used. The audience will be divided into groups to discuss three elements of the Standard: selection of personnel, operational training and managing the impact of change.

- Remi Joly, National Manager Human Factors, NAV CANADA and Co-Chair Human Performance Management Task Force, CANSO
- Jörg Leonhardt, Head of Human Factors and Ergonomics, DFS Deutsche Flugsicherung GmbH and Co-Chair, Human Performance Management Task Force, CANSO
- Neil May, Head of Human Factors, NATS and Co-Chair, Human Performance Management Task Force, CANSO

12:00-13:00

Lunch

📍 Alhambra Foyer, Level 2 Mezzanine

13:00–14:00

Workshop: Standard of Excellence in Human Performance Management *CONTINUED*

📍 Alhambra Room, Level 2 Mezzanine

The workshop will continue with sharing the results of the group discussions. The CANSO Human Performance Management Task Force will then present best practice examples demonstrating practical applications of the *Standard of Excellence in Human Performance Management* and its benefits for ANSPs when establishing a human performance management programme.

- Remi Joly, National Manager Human Factors, NAV CANADA and Co-Chair Human Performance Management Task Force, CANSO
- Jörg Leonhardt, Head of Human Factors and Ergonomics, DFS Deutsche Flugsicherung GmbH and Co-Chair, Human Performance Management Task Force, CANSO
- Neil May, Head of Human Factors, NATS and Co-Chair, Human Performance Management Task Force, CANSO

14:00–14:30

The Way Forward in Human Performance Management

📍 Alhambra Room, Level 2 Mezzanine

The CANSO Human Performance Management Task Force will present its proposal on the way forward. The plan will consider future challenges and opportunities in human factor integration and human performance management, such as the impact of new technologies and automation on training and on roles and selection.

- Remi Joly, National Manager Human Factors, NAV CANADA and Co-Chair Human Performance Management Task Force, CANSO
- Jörg Leonhardt, Head of Human Factors and Ergonomics, DFS Deutsche Flugsicherung GmbH and Co-Chair, Human Performance Management Task Force, CANSO
- Neil May, Head of Human Factors, NATS and Co-Chair, Human Performance Management Task Force, CANSO

14:30–15:00

Networking Break

📍 Alhambra Foyer, Level 2 Mezzanine

15:00–16:00

Next Steps in Human Performance Management

📍 Alhambra Room, Level 2 Mezzanine

In this interactive session, the CANSO Safety Standing Committee will solicit feedback from the audience to determine how best to move the CANSO human performance management effort forward.

- Steve McMahon, Deputy Vice President Safety and Technical Training, FAA ATO and Chair, Safety Standing Committee, CANSO
- Osman Saafan, Director Corporate Safety and Security Management and Military Affairs, DFS Deutsche Flugsicherung GmbH and Vice Chair, Safety Standing Committee, CANSO
- Kimberly Pyle, Safety Programme Manager, CANSO

16:00–16:15

Summary of the Day

📍 Alhambra Room, Level 2 Mezzanine

- Steve McMahon, Deputy Vice President Safety and Technical Training, FAA ATO and Chair, Safety Standing Committee, CANSO
- Osman Saafan, Director Corporate Safety and Security Management and Military Affairs, DFS Deutsche Flugsicherung GmbH and Vice Chair, Safety Standing Committee, CANSO

19:00–22:00

CANSO Global Safety Achievement Award Dinner

The dress code is gala. For men jackets and ties are required.

📍 Mount Stephen Hall, Level 1 Mezzanine

Hosted by





WEDNESDAY 28 NOVEMBER 2018

08:00–08:30

Conference Registration

📍 Alhambra Foyer, Level 2 Mezzanine

08:30–09:15

Safety Performance Measurement Workgroup Presentation of De-identified Safety Benchmarking Data

📍 Alhambra Room, Level 2 Mezzanine

CANSO gathers data on leading indicators of accidents and incidents so that Members can better understand their safety performance and their effectiveness in controlling risk. This session will review CANSO's de-identified safety benchmarking results to help ANSPs understand global ANSP system performance trends and indicators.

- Heather Henderson, Director Corporate Safety and Quality Oversight, NAV CANADA and Co-Chair, Safety Performance Measurement Workgroup, CANSO
- Bruno Ochín, Manager Safety Performance Measurement, NAV CANADA

09:15–10:00

**EUROCONTROL / CANSO Standard of Excellence in SMS 2018
Measurement Questionnaire Results**

📍 Alhambra Room, Level 2 Mezzanine

EUROCONTROL will join the CANSO Future Safety Development Workgroup (FSDWG) chairs to review the results of the *EUROCONTROL / CANSO Standard of Excellence in SMS 2018 Measurement Questionnaire* and discuss the strengths and weaknesses identified in the assessment.

- Roger Dillon, Head of Safety and Quality, NATS and Co-Chair, Future Safety Development Workgroup, CANSO
- Antonio Licu, Head of Safety Unit, Network Management Directorate, EUROCONTROL
- Claire Marrison, Manager, Strategy Systems and Analysis, Airservices Australia and Co-Chair, Future Safety Development Workgroup, CANSO

10:00–10:30

Networking Break

📍 Alhambra Foyer, Level 2 Mezzanine

10:30–12:00

Safety-Relevant Cybersecurity

📍 Alhambra Room, Level 2 Mezzanine

The cyber threat to aviation is continually evolving and becoming increasingly sophisticated. As safety management and risk control in aviation relies on the performance of automated systems and technologies, it is essential that the warning signs of a potential cyber-attack can be identified and incidents prevented. This session will present some of the latest innovations available that will allow ANSPs to take preventive measures and to detect, act, control, eliminate and learn in the event of an occurrence.

- Jerry Hancock, Director Aviation Cybersecurity Safety and Operational Safety, Inmarsat PLC
- Antonio Licu, Head of Safety Unit, Network Management Directorate, EUROCONTROL
- Huw Ross, Principal Consultant, Helios
- Osman Saafan, Director Corporate Safety and Security Management and Military Affairs, DFS Deutsche Flugsicherung GmbH and Vice Chair, Safety Standing Committee, CANSO

Moderator:

Simon Hocquard, Deputy Director General, CANSO

12:00–13:00

Lunch

📍 Alhambra Foyer, Level 2 Mezzanine

13:00–13:45

What's Next in Cybersecurity?

📍 Alhambra Room, Level 2 Mezzanine

This session will explore CANSO's priorities and next steps in cybersecurity.

- Simon Hocquard, Deputy Director General, CANSO
- Steve McMahon, Deputy Vice President Safety and Technical Training, FAA ATO and Chair, Safety Standing Committee, CANSO
- Osman Saafan, Director Corporate Safety and Security Management and Military Affairs, DFS Deutsche Flugsicherung GmbH and Vice Chair, Safety Standing Committee, CANSO
- Kimberly Pyle, Safety Programme Manager, CANSO

13:45–14:30

ACI / CANSO Runway Safety Survey

📍 Alhambra Room, Level 2 Mezzanine

Runway safety remains a high priority for the ATM industry, with the approach and landing phases of flight accounting for around 61 percent of accidents. This session will focus on the current status of the ACI / CANSO Runway Safety Survey, its value in helping ANSPs reduce runway safety-related accidents and incidents and the next steps in the development of this important tool.

- Kim Nichols, Head of Safety and Assurance, Airways New Zealand and Chair, CANSO Runway Safety Task Force

14:30–15:00

Networking Break

📍 Alhambra Foyer, Level 2 Mezzanine

15:00–16:00

Safety Perspectives from the Flight Deck

📍 Alhambra Room, Level 2 Mezzanine

This session will offer an interactive discussion on the airline perspective on safety, from the standpoint of the flight deck.

- Captain Julian Price AMRAeS, Co-Founder, Unitatis Flight Safety

16:00–16:15

Summary of the Day

📍 Alhambra Room, Level 2 Mezzanine

- Steve McMahon, Deputy Vice President Safety and Technical Training, FAA ATO and Chair, Safety Standing Committee, CANSO
- Osman Saafan, Director Corporate Safety and Security Management and Military Affairs, DFS Deutsche Flugsicherung GmbH and Vice Chair, Safety Standing Committee, CANSO



THURSDAY 29 NOVEMBER 2018

08:00–08:30

Conference Registration

📍 Alhambra Foyer, Level 2 Mezzanine

08:30–10:00

Feedback on Optimised Practices

📍 Alhambra Room, Level 2 Mezzanine

The leading mechanism by which ANSPs can measure their SMS maturity is the *CANSO Standard of Excellence in Safety Management Systems*. In this session ANSPs that have reached the highest level of maturity in SMS, focussed on innovation and improvement, will share their best practices with delegates.

- Magnus Teo Tian Hong, ATC Manager ANS Safety and Security, CAAS
- Nattamon Thavornpitak, Systems Engineer (Safety Management Systems), AEROTHAI
- Andrea Sack-Nirschl, Director Safety, Security and Quality, Austro Control GmbH
- Roger Dillon, Head of Safety and Quality, NATS and Co-Chair, Future Safety Development Workgroup CANSO
- Mike Bolder, National Quality Assurance Manager, FAA ATO
- Kim Nichols, Head of Safety and Assurance, Airways New Zealand

Moderator:

Job Brüggen, Safety Manager, LVNL

10:00–10:30

Networking Break

📍 Alhambra Foyer, Level 2 Mezzanine

10:30–11:00

Future Safety Development Workgroup Update

📍 Alhambra Room, Level 2 Mezzanine

The CANSO Future Safety Development Workgroup creates safety management guidance and tools which assist ANSPs to transition to increasingly automated service delivery. This session will discuss the work done to develop a reference argument for digital towers, new risk metrics, the economic value of safety and how this contributes to safety in ATM.

- Roger Dillon, Head of Safety and Quality, NATS and Co-Chair, Future Safety Development Workgroup, CANSO
- Claire Marrison, Manager, Strategy Systems and Analysis, Airservices Australia and Co-Chair, Future Safety Development Workgroup, CANSO

11:00-12:00

ICAO Standards and Recommended Practices in Fatigue Risk Management

📍 Alhambra Room, Level 2 Mezzanine

CANSO Member ANSPs will share how they plan to address the new ICAO Standards and Recommended Practices regarding fatigue risk management.

- Neil May, Head of Human Factors, NATS and Co-Chair, Human Performance Management Task Force, CANSO
- Anne Lindeis, Director of Safety and Human Performance, NAV CANADA
- Claire Marrison, Manager, Strategy Systems and Analysis, Airservices Australia and Co-Chair, Future Safety Development Workgroup, CANSO

Moderator:

Jason Demagalski, Human Performance Manager, FAA ATO

12:00-13:00

Lunch

📍 Alhambra Foyer, Level 2 Mezzanine

13:00–14:30

Safety Management Systems Best Practices from the Industry

📍 Alhambra Room, Level 2 Mezzanine

This session will share the industry suppliers perspective and information on best practices in safety management systems and operational safety.

- Philip Binks, Head of ATM, Altitude Angel
- Sinead McCloskey, Director of Safety, Aireon LLC
- Harvey O’Keeffe, Head of Safety Management, Irish Aviation Authority
- Ann Lindeis, Director of Safety and Human Performance, NAV CANADA
- Bob Dodd, Senior Director Risk Management, The Aloft Group LLC
- Jacques Mignault, A330 Captain and Flight Safety Specialist, Air Transat
- Ori Shloosh, Chief Executive Officer, IATAS

Moderator:

Larry Lachance, Vice President Safety and Quality, NAV CANADA and Member, Safety Standing Committee Steering Committee, CANSO

14:30–15:00

Networking Break

Alhambra Foyer, Level 2 Mezzanine



15:00–15:45

Traffic Complexity and Its Relationship to Safety

📍 Alhambra Foyer, Level 2 Mezzanine

This session will provide an initial look at ways to use traffic complexity measures to allow ANSPs to better understand their safety performance.

- Hervé Forestier, Senior Safety Performance Expert ATC, DSNA and Co-Chair, Safety Performance Measurement Workgroup, CANSO

15:45-16:00

Summary of the Day

📍 Alhambra Room, Level 2 Mezzanine

- Steve McMahon, Deputy Vice President Safety and Technical Training, FAA ATO and Chair, Safety Standing Committee, CANSO
- Osman Saafan, Director Corporate Safety and Security Management and Military Affairs, DFS Deutsche Flugsicherung GmbH and Vice Chair, Safety Standing Committee, CANSO

19:00-22:00

Closing Dinner

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Transport will depart from the Closing Dinner at 22:00 returning to the Fairmont Banff Springs Hotel at 22:30

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📍 Mount Norquay Ski Lodge

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FRIDAY 30 NOVEMBER 2018

07:30–08:00

Conference Registration

📍 Alhambra Foyer, Level 2 Mezzanine

08:00–09:30

Global Safety Perspectives

📍 Alhambra Room, Level 2 Mezzanine

Participants will get insights from ANSPs across the globe as they share their experiences on a number of safety-related topics.

- Heino Küster, Head of Safety Policy & Performance, DFS Deutsche Flugsicherung GmbH and Chair, CANSO Europe Safety Group, and Co-Chair, Safety Performance Measurement Workgroup, CANSO
- Tembisa Maphike, Senior Manager Standards & Regulations, ATNS
- Des Whitty, Director of Safety Quality and Environment, Saudi Air Navigation Services (SANS)
- Magnus Teo Tian Hong, ATC Manager, ANS Safety and Security, CAAS

Moderator:

Alastair Muir, Safety Director, NATS

09:30–10:00

Benefits of a Common Risk Analysis Process (RAT/RAP)

📍 Alhambra Room, Level 2 Mezzanine

This session will focus on how to leverage RAT/RAP data to enhance comparative analysis work and establish an enhanced understanding of system performance.

- Antonio Licu, Head of Safety Unit, Network Management Directorate, EUROCONTROL
- Shayne Campbell, Technical Risk Analysis Process Manager, FAA ATO

10:00–10:30

Networking Break

📍 Alhambra Foyer, Level 2 Mezzanine

10:30–11:30

Applying Big Data

📍 Alhambra Room, Level 2 Mezzanine

This session will discuss big data and machine learning for both structured and unstructured data. It will focus on the ways this processing can contribute to safety enhancement and provide support to continuous improvement.

- Kristen Summers, Technical Delivery Lead, IBM Watson Public Sector

11:30–12:00

Global Flight Tracking

📍 Alhambra Room, Level 2 Mezzanine

This session will offer an enhanced understanding of global flight tracking and how it improves safety.

- Sinead McCloskey, Director of Safety, Aireon LLC

12:00–13:00

Lunch

📍 Alhambra Foyer, Level 2 Mezzanine

13:00–13:30

SEANS-Safety Update

📍 Alhambra Room, Level 2 Mezzanine

The CANSO *Standard of Excellence in Air Navigation Services – Safety* (SEANS-Safety) programme was established in 2016 to independently verify the maturity of participating ANSPs' safety management systems. This session will look at the status of the SEANS-Safety programme and the themes identified during the assessments carried out to date.

- Kimberly Pyle, Safety Programme Manager, CANSO

13:30–14:30

Final Workgroup Proposals for 2019

📍 Alhambra Room, Level 2 Mezzanine

The chairs of the Safety Standing Committee workgroups will share activities for the coming year and request agreement on their work plans from the Safety Standing Committee, including next steps on human performance management and cybersecurity.

- Heather Henderson, Director Corporate Safety and Quality Oversight, NAV CANADA and Co-Chair, Safety Performance Measurement Workgroup, CANSO
- Claire Marrison, Manager, Strategy Systems and Analysis, Airservices Australia and Co-Chair, Future Safety Development Workgroup, CANSO
- Steve McMahon, Deputy Vice President Safety and Technical Training, FAA ATO and Chair, Safety Standing Committee, CANSO

14:30–15:00

Networking Break

📍 Alhambra Foyer, Level 2 Mezzanine

15:00–16:00

Decisions, Plans for Action and Next Steps

📍 Alhambra Room, Level 2 Mezzanine

As the conference draws to a close, all attendees are invited to review the decisions, action items and next steps for increasing the safety of air navigation services across the globe.

- Steve McMahon, Deputy Vice President Safety and Technical Training, FAA ATO and Chair, Safety Standing Committee, CANSO
- Osman Saafan, Director Corporate Safety and Security Management and Military Affairs, DFS Deutsche Flugsicherung GmbH and Vice Chair, Safety Standing Committee, CANSO
- Kimberly Pyle, Safety Programme Manager, CANSO

16:00–16:30

Closing Remarks

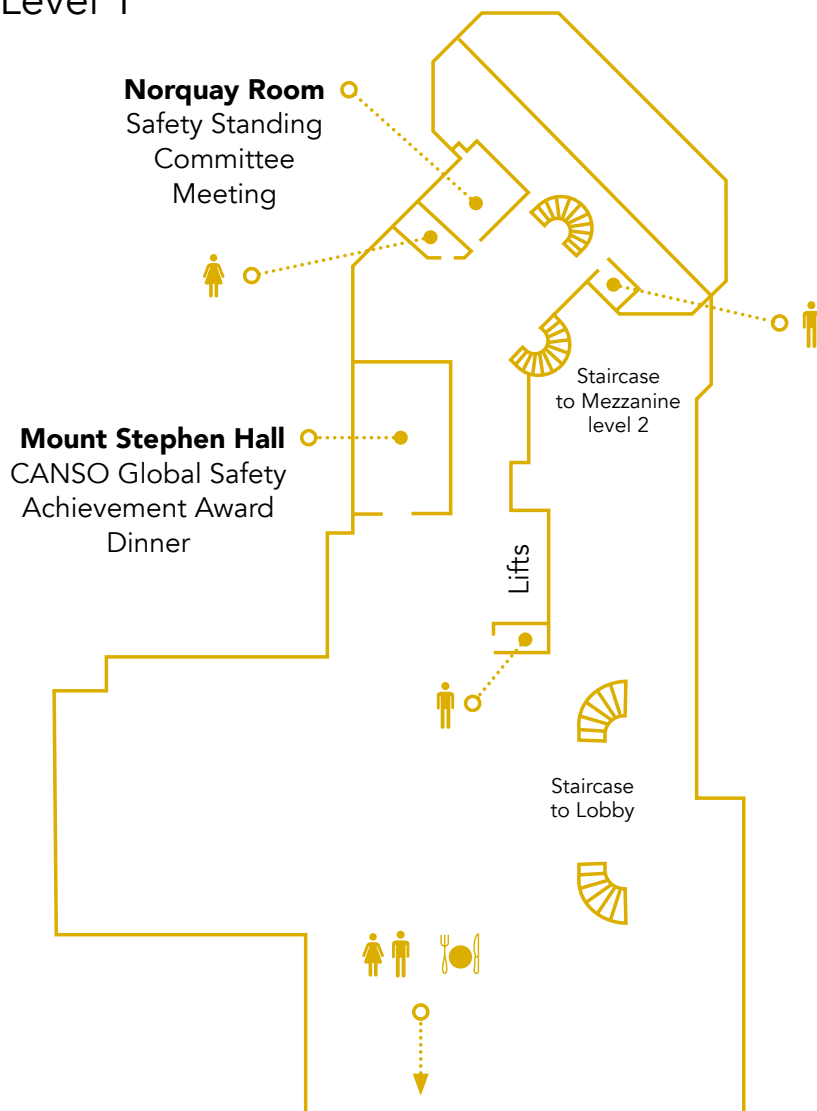
📍 Alhambra Room, Level 2 Mezzanine

- Steve McMahon, Deputy Vice President Safety and Technical Training, FAA ATO and Chair, Safety Standing Committee, CANSO

FLOORPLAN

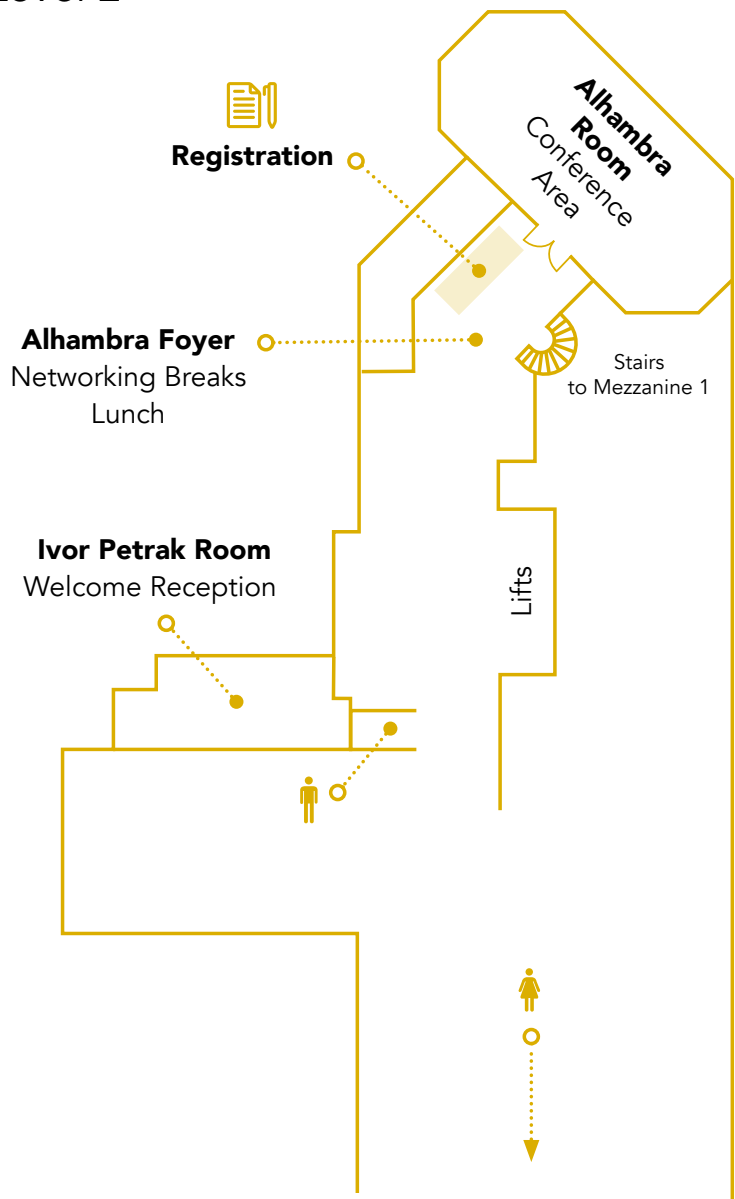
Mezzanine

Level 1



Mezzanine

Level 2



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Networking Break Sponsor



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NATS is a leading air traffic management and solutions company, established in the UK in 1962 and now operating in countries around the world.

NATS handled 2.45 million flights in 2016, covering the UK and eastern North Atlantic from its centres at Swanwick, Hampshire and Prestwick, Ayrshire. NATS also provides air traffic services at 14 UK airports; at Gibraltar Airport and, in a joint venture with Ferrovial, at a number of airport towers in Spain. Building on its reputation for operational excellence and innovation, NATS offers aerodrome, data, engineering, capacity, efficiency and environmental performance solutions to customers worldwide, including airports, airlines air traffic service providers and Governments.

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The people we all rely on to make air travel safe and efficient rely on Thales. Thales is a global leader in air traffic management, designing, delivering and supporting the aviation systems that keep our skies running. Our advanced technologies and ground-breaking innovations deliver solutions that are continually adapting to the ever-changing needs of the aviation industry. With engagement in all major ATM modernization initiatives, NextGen, ICAO ASBUs, and SESAR, Thales focuses on international harmonization. Our strong involvement in these initiatives, and the alignment of our product roadmaps, ensures that our solutions have been extensively tested, certified and validated.

FORTHCOMING CANSO EVENTS



CANSO CEO Strategy Summit 2019

📍 Madrid, Spain
📅 11 March



CANSO ATM Gala Dinner 2019

📍 Madrid, Spain
📅 11 March



World ATM Congress

📍 Madrid, Spain
📅 12-14 March



CANSO Global ATM Operations Conference 2019

📍 Langen, Germany
📅 10-11 April



CANSO Asia Pacific Conference 2019

📍 Fukuoka, Japan
📅 21-23 May



CANSO Global ATM Summit and 23rd AGM

📍 Geneva, Switzerland
📅 17-20 June



PRACTICAL INFORMATION



Dress Code

Monday 26 November

» Identified Data Session – Closed Session

Business Casual

» Welcome Reception

Smart Casual

Tuesday 27 November - Friday 30 November

- » CANSO Global ATM Safety Conference 2018

Business Casual

- » CANSO Global ATM Safety Achievement Award Dinner

Gala

Thursday 29 November

- » Closing Dinner

Business Casual

Please bring warm and waterproof clothing and practical footwear for pre-dinner, outdoor activities.

Business Casual

Collared shirts, jacket and ties for men.

Trouser suit or smart dress for women.

Smart Casual

Collared shirts/polo shirts, ties optional for men

Trousers or casual dress for women.

Gala

Collared shirts, jackets and ties for men.

Gala dress for women.



Event Venue

Fairmont Banff Springs Hotel
405 Spray Avenue
Banff
Alberta
Canada
T1 L1 J4
fairmont.com/banff-springs



Transport from Calgary International Airport

The Fairmont Banff Springs Hotel is approximately a two-hour drive to Calgary International Airport. The Banff Airporter shuttle service can take you directly to your hotel and CANSO delegates benefit from a 15% discount by typing "CANSO" in the promotional code section on the final payment page. Select your hotel and book your travel via www.banffairporter.com/book.



Transport within Banff

It is possible to explore Banff on foot and the Fairmont Banff Springs Hotel is a 25-minute walk to the town centre. A local bus service, which runs every 40 minutes, is also available to transport you from the event venue to the town.

Taxis service the Banff area 24 hours a day and can be found at taxi stands in the town centre of Banff. Staff at the Fairmont Banff Springs Hotel can also assist you in organising a taxi from the hotel.



Wi-Fi Access

All delegates will have full access to Wi-Fi during the Conference. Wi-Fi information will be provided during registration periods and the conference.



Time Zone

Canada encompasses six of the world's 24-time zones. The time zone is Banff Mountain Time Zone (PST), which is equivalent to Coordinated Universal Time (UTC) minus eight hours.



Climate

November is the winter season in Banff, which sees an average temperature of 0°C in the day to -8°C in the evening.



Language

The official languages spoken in Banff are English and French. The Conference will be conducted in English only.



Currency

The Canadian Dollar (CAD) is the currency used in Banff. 1 US Dollar is approximate to CAD 1.30 and 1 Euro is approximate to 1.52 CAD. For the most recent currency rate, please see the XE Currency Converter.



Bank/Debit cards

Most hotels and restaurants accept global credit cards such as MasterCard, VISA or American Express. However, it is wise to bring Canadian Dollars with you to pay for services such as taxis.



Tipping

Tipping for a service is expected while using services in Banff. Tips can range from 10 to 20 percent and an average tip is 15 percent.



Electricity

You may require an adaptor to use your appliances; type B plug sockets are used in Banff and have two flat prongs and a U shaped earth pin. The electrical current is 110 volts and 60 hertz.



Water

The water in Banff is treated and safe for public consumption. The drinking water in Banff consistently meets all standards set by the Guidelines for Canadian Drinking Water Quality.



Emergency Contacts

Dial 911 to reach all emergency services from any public phone or mobile phone.

Departures to

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Put Us On Your Schedule.

Save The Date.



**World ATM
Congress 2019**

12-14 March 2019

Madrid, Spain

IFEMA, Feria de Madrid

www.worldatmcongress.org

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