



canso
GLOBAL
ATM SUMMIT
AND 22nd AGM

BANGKOK
10-13 June
2018

**Digitisation and Big Data is everywhere...
But where exactly in ATM?**

ORGANISER



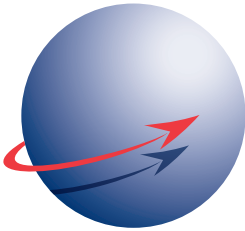
HOST



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ORGANISED BY **CANSO**



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civil air navigation services organisation

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 (ICAO), where it has official Observer status. CANSO has an extensive network of Associate Members drawn from across the aviation industry.

www.canso.org

HOSTED BY **AEROTHAI**

Aeronautical Radio of Thailand Limited (AEROTHAI) is a State Enterprise under the Ministry of Transport. With the consent of the Royal Thai Government, a group of airlines founded AEROTHAI in 1948 to provide air navigation services for airline operations. In 1963, the Government acquired the majority of the Company's share capital from the founding airlines thereby altering the Company's status to that of a State Enterprise.

AEROTHAI operates with a commitment to maintain a quality of air navigation services in accordance with international standards and to upgrade technology and human resources with the goal to enhance national capacity and develop the aviation industry in Thailand. In addition, the Company also provides related services, including:

- Providing communication equipment for air transportation operations at airports within Thailand and overseas.
- Designing, manufacturing, and installing customized communication equipment.



- Carrying out consultancy and training in air traffic control, aeronautical telecommunications, and engineering.
- Installing and maintaining communication equipment for domestic and international organisations.

Furthermore, AEROTHAI emphasizes enhancing the infrastructure for the air navigation service to support the ICAO Global Air Navigation Plan and air traffic growth, improving the air traffic flow management regional network to harmonize with the global network as well as enhancing airspace capacity and utilization according to the concept of Flexible Use of Airspace (FUA); all contribute to the provision of services that meet customers' needs.

www.aerothai.co.th

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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, ENAV, NATS, the Irish Aviation Authority (IAA) and Naviar, as well as Iridium Communications, Aireon will have an operational, global, space-based air traffic surveillance system in 2018.

www.aireon.com



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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INNOVATORS



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FOREWORD BY

Jeff Poole

Director General,
CANSO



Dear Members,

Welcome to the CANSO Global ATM Summit and 22nd CANSO Annual General Meeting. I wish to thank our host, AEROTHAI, for enabling us to visit the bustling city of Bangkok in beautiful Thailand. I know that Sarinee and her colleagues have some very special hospitality planned.

The Summit examines the increasing importance of data as a vital tool for air traffic management. It explores how the ATM industry can utilise data to provide the critical information and consistent key performance indicators needed to ensure safety, performance and sustainability. It asks where ATM operational and performance data will be generated in future, who will 'own' it and how it will be managed and made available – all in an environment of increasing cyber security challenges.

The Annual General Meeting is the most important governance meeting of CANSO Members. A particular focus this year will be approval of the revised strategic direction for CANSO, as set out in *CANSO: Fit for the Future of ATM*. This identifies a revised strategic direction for CANSO in accordance with the views of its Members on the most likely future of ATM and the most likely implications of that future. The strategic direction proposed will allow CANSO to better represent, support and enable all Members to cooperate and collaborate with each other to better face and adapt to the challenges ahead.

I am sure that the location of Bangkok will facilitate some very constructive discussions on issues of real importance to CANSO Members through a productive and enjoyable series of meetings. I wish to thank our host, AEROTHAI, and our sponsors and exhibitors for their strong support and commitment in making it possible.

A handwritten signature in black ink, appearing to read 'Jeff Poole', written over a horizontal line.

Jeff Poole
Director General
CANSO

WELCOME MESSAGE FROM

**Sarinee
Angsusingha**

President,
AEROTHAI



Dear all CANSO Members,

First of all, my warmest welcome to you to the Kingdom of Thailand.

My team and I have been working tirelessly on the preparations for the CANSO Global ATM Summit and 22nd Annual General Meeting, which takes place in Thailand for the second time.

We are putting our effort first for you all to feel the friendship and hospitality that Thai people can extend to our important guests. There are a variety of Thai touches and activities that you shouldn't miss during 7-14 June. More important is to ensure the success of all meetings; creating a venue and setting the atmosphere so that all would share thoughts and ideas and bring them to implementation and recommendations for our aviation community. I am certain that we will have great fruits to share after the meetings!

My personal appreciation is for Members that will fly half way around the world to be here in our land of smiles. Jeff and I will make sure it's really worth the travel. For Members in the region, I am grateful that you have given us the honour of hosting this event. I hope to see a lot of old friends again.

As life is a journey, may I invite you all to another beginning of our journey together and let Thailand be a place to start our journey to the next century of aviation. I look forward to welcoming you all to Thailand this June.

Thank you.

A handwritten signature in black ink, consisting of a stylized 'S' followed by a series of loops and a final horizontal stroke.

Sarinee Angsusingha
President
AEROTHAI

AEROTHAI

70th

ANNIVERSARY

70 Years of Pride



PROGRAMME AT-A-GLANCE



SUNDAY 10 JUNE 2018

09:00-17:00

CANSO Executive Committee Meeting

Closed Meeting

📍 London 2, Level 2, Athenee Tower

17:00-19:00

Pre-registration for CANSO Global ATM Summit

📍 Pimarn Siam Hall, Level 29, Hotel Building

19:00-21:00

Welcome Reception

📍 Pimarn Siam Hall, Level 29, Hotel Building

Hosted by



Sponsored by

NATS



MONDAY 11 JUNE 2018

08:00-09:00 **Registration for CANSO Global ATM Summit**

📍 Foyer A, Level 3, Athenee Tower

09:00-15:50 **CANSO Global ATM Summit**

📍 Crystal B, Level 3, Athenee Tower

09:00-17:00 **Exhibition**

📍 Crystal A, Level 3, Athenee Tower

10:30-11:00 **Networking Break**

📍 Crystal A, Level 3, Athenee Tower

Sponsored by ***NORTHROP GRUMMAN***

13:00-14:00 **Lunch**

📍 Crystal A, Level 3, Athenee Tower

Sponsored by **NAV
CANADA**

15:50-16:30 **Networking Break**

📍 Crystal A, Level 3, Athenee Tower

Sponsored by ***NORTHROP GRUMMAN***

15:50-17:00 **CANSO and Data Issues**

📍 Crystal A, Level 3, Athenee Tower

19:00-22:00 **Gala Dinner**

Please meet in The Athenee Hotel Lobby for an 18:30 departure.

📍 Nai Lert Heritage Home

Hosted by 



TUESDAY 12 JUNE 2018

09:00-11:00

Full Member Meeting

Open to CANSO Full Members only

📍 Crystal B, Level 3, Athenee Tower

09:00-11:30

CANSO Table Talks

Associate Members

📍 Crystal A, Level 3, Athenee Tower

09:00-17:00

Exhibition

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Networking Break

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Closed Meeting

📍 Princess Valaya Drawing Room, Level 2, Hotel Building

19:00-22:00 **Closing Dinner**

📍 Grand Hall, Level 2, Hotel Building

Hosted by





WEDNESDAY 13 JUNE 2018

09:00-13:00 Africa Region Meeting (AFC3)

Closed meeting

📍 China 1, Level 2, Athenee Tower

09:00-13:00 Latin America and Caribbean Region Meeting (LAC3)

Closed meeting

📍 London 2, Level 2, Athenee Tower

09:00-13:00 Asia Pacific Region Meeting (APC3)

Closed meeting

📍 London 1, Level 2, Athenee Tower

14:00-16:00 Meeting of CANSO Executive Committee with CANSO standing committee chairs and vice chairs, region directors and programme managers

Closed meeting

📍 London 1, Level 2, Athenee Tower

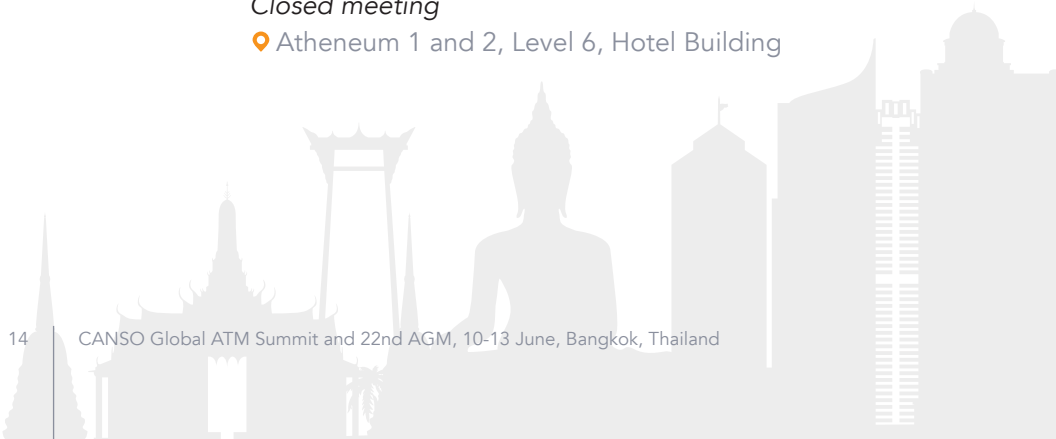


THURSDAY 14 JUNE 2018

09:00-17:00 Strategy and Integration Standing Committee Meeting

Closed meeting

📍 Atheneum 1 and 2, Level 6, Hotel Building



FULL PROGRAMME



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09:00-17:00 Exhibition

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CANSO Global ATM Summit

The Summit will examine in detail the increasing importance and use of data as ATM continues to grow at challenging rates and as rapid digitisation (or digital change) produces more and more data.

The Summit will:

Review the macro effects of how digitisation will impact the ATM industry – the key trends on how it will affect aviation and ATM, for example through increased competition, commoditisation, digital partnerships, supplier relationships and cyber security.

Look at the provision and use of data in ATM – economic forecasting and analysis, tracking and surveillance, operations, safety, performance reporting and benchmarking – and the future challenges and opportunities.

Address the complex issues of where the essential ATM operational and performance data will be generated in future, who will 'own' it and how it will be managed and made available – all in an environment of increasing cyber security challenges. In short, will the ATM industry stay in control of its data requirements and own destiny or become dependent on others?

Identify whether there are areas which CANSO might leverage and develop to provide better insight to Members on industry performance, statistics and trends (e.g. an information platform for data gathering, data management and analysis capabilities).

09:00-09:30 Opening Remarks

📍 Crystal B, Level 3, Athenee Tower

- Jeff Poole, Director General, CANSO
 - Mr. Arkhom Termpittayapaisith, Minister of Transport, Royal Thai Government
-

09:30-09:50 Keynote Speaker – The Airline View

📍 Crystal B, Level 3, Athenee Tower

- Squadron Leader Pongtorn Thepkanjana, Executive Vice President, Operations, Thai Airways
-

09:50-10:30 Financial, Economic and Market Data Analysis and Outlooks

📍 Crystal B, Level 3, Athenee Tower

With the strong focus on justifying infrastructure investments in ATM and on ANSP charges, it is vital that ANSPs should have access to the best possible financial, economic and market data and outlooks.

This session comprises a presentation on the key global economic and market trends affecting aviation and hence the outlooks for growth rates globally and by region.

It then discusses what outlook data and analysis is available to individual ANSPs and to the ATM industry as a whole; and how this can best be utilised in situations of volatility and unpredictable changes in traffic flows and traffic volumes to try to ensure best decisions to maintain overall efficiency and performance.

- Brendan Sobie, Chief Analyst, CAPA - Centre for Aviation

10:30-11:00 **Networking Break**

📍 Crystal A, Level 3, Athenee Tower

Sponsored by ***NORTHROP GRUMMAN***

11:00-12:00 **Introduction to Big Data**

📍 Crystal B, Level 3, Athenee Tower

This session will provide an initial introduction to big data, digitisation and their implications. What are good examples in other industries and how are they useful to improve ATM performance? How critical is the lack of data sharing in ATM at present?

- Katrina Korzenowski, Commercial Regional Vice President Asia-Pacific, SITAONAIR
- Alan Corner, Director Middle East, Helios

Moderator:

- Mark Cooper, Partner – Aviation Technology, Deloitte

The session will conclude with a brief presentation of a decision support model for airspace optimisation and the ANSP customer perspective.

- Mark Cooper, Partner – Aviation Technology, Deloitte
- Martin Rolfe, CEO, NATS

12:00-13:00

Strategic Overview of Data and Digitisation Issues in ATM

📍 Crystal B, Level 3, Athenee Tower

Like many other issues in ATM, the generation, management and use of essential data will undergo radical changes in the coming years in nature and scope. Examples will include tracking and surveillance data from space-based ADS-B, digitisation that will improve efficiency and performance across ATM operations, migration to Cloud-based systems, and the inevitable involvement in ATM of big data management organisations. What are the likely key trends on how ATM will be affected and will evolve (for example through increased competition, commoditisation, digital partnerships, supplier relationships and cyber security)?

ATM is, and will become even more, data-intensive yet it does not have any holistic approaches to the generation, management and use of the essential data that it requires. Is this a fundamental strategic weakness that needs to be addressed proactively by the ATM industry or will the fast and natural evolution of big data in ATM be satisfactorily addressed by market forces?

How should the ATM industry best ensure that enormous amounts of data are transformed to provide the critical information and consistent key performance indicators that are needed to ensure safety, performance and sustainability?

- Roberta Neri, CEO, ENAV
- Kevin Shum, Director-General, Civil Aviation Authority of Singapore (CAAS)
- Don Thoma, CEO, Aireon
- Frank Koehne, CEO & Managing Director, Harris Orthogon
- Patrik Peters, President and CEO, IFATCA

Moderator:

- Alex Bristol, CEO, skyguide

13:00-14:00 Lunch

📍 Crystal A, Level 3, Athenee Tower

Sponsored by 

14:00-15:30 The Practical Implications: What Next in ATM?

📍 Crystal B, Level 3, Athenee Tower

Digitisation and big data will create a more holistic approach to and delivery of ATM than the conventional focus on safety, operations and performance measurement and benchmarking. This session will comprise an interactive discussion on the emerging patterns in the requirements for and provision of ATM data and the practical implications for the ATM industry. What are the most likely new applications in ATM and how can we best exploit them?

- Steve McMahon, Deputy Vice President, Safety and Technical Training, FAA ATO and Chair, CANSO Safety Standing Committee
- Brendan Kelly, Head of Systemised Airspace and Airport Integration, NATS and Chair, CANSO Operations Standing Committee
- Rudy Kellar, Executive Vice President, Service Delivery, NAV CANADA
- Oliver Pulcher, Director Corporate Development, DFS Deutsche Flugsicherung GmbH
- Captain Gilbert Macharia Kibe, Director General, Kenya Civil Aviation Authority

Moderator:

- Simon Hocquard, Deputy Director General, CANSO

15:30-15:50 **Summary: What Have We Heard and What is The Way Forward?**

📍 Crystal B, Level 3, Athenee Tower

What have been the key messages and take-aways from this CANSO Global ATM Summit? What further initiatives may be needed to ensure availability of consistent data and key performance indicators to support safe, efficient ATM?

- Teri Bristol, Chief Operating Officer, FAA ATO and CANSO Chair
- Agustin Rodriguez Grellet, President and CEO, EANA
- Klaus-Dieter Scheurle, Chairman and Chief Executive Officer, DFS Deutsche Flugsicherung GmbH
- Jeff Poole, Director General, CANSO

15:50-16:30 **Networking Break**

📍 Crystal A, Level 3, Athenee Tower

Sponsored by ***NORTHROP GRUMMAN***

15:50-17:00 **CANSO and Data Issues**

📍 Crystal A, Level 3, Athenee Tower

Following the CANSO Global ATM Summit focus on digitisation and data issues, this series of short presentations gives insight into how CANSO is presently using data to add value for Members across the areas of benchmarking, data analysis, reporting and cyber security.

19:00-22:00 **Gala Dinner**

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📍 Nai Lert Heritage Home





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Meet with CANSO staff to learn about CANSO's initiatives; and the benefits that getting involved in CANSO workgroups and initiatives can bring.

09:00-17:00

Exhibition

📍 Crystal A, Level 3, Athenee Tower

11:00-11:30

Networking Break

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Sponsored by ***NORTHROP GRUMMAN***

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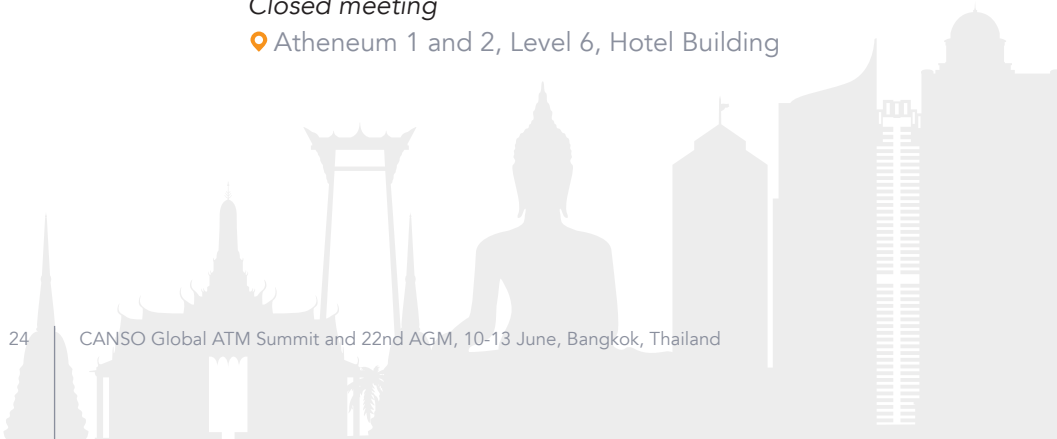


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BE PART OF THE FUTURE OF AIR TRAFFIC MANAGEMENT

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



canso
civil air navigation services organisation

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



FLOORPLAN

LEVEL 3



LOUNGE AREA

Lounge sponsored by

HARRIS



REGISTRATION

EXHIBITORS

- | | | |
|-------------------|---------------------|---------------------|
| 1 Aireon | 4 CANSO | 7 Indra |
| 2 Metron Aviation | 5 Saab | 8 Entry Point North |
| 3 Solace | 6 Aerial & Maritime | 9 AEROTHAI |

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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, ENAV, NATS, the Irish Aviation Authority (IAA) and Naviar, as well as Iridium Communications, Aireon will have an operational, global, space-based air traffic surveillance system in 2018.

Welcome Reception Sponsor



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nats.co.uk

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.

For more information visit the NATS website at nats.aero

Lunch Sponsor



Contact Information:

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NAV CANADA is a private, not-for-profit company, established in 1996, providing air traffic control, airport advisory services, weather briefings and aeronautical information services for more than 18 million square kilometres of Canadian domestic and international airspace. The Company is a partner in Aireon LLC, an international joint venture deploying a space based ADS-B system that will expand air traffic surveillance worldwide. www.navcanada.ca NAVCANatm, a subsidiary of NAV CANADA, delivers mission critical, enterprise-wide integrated air traffic management solutions, designed to support a full range of services in a collaborative environment. Used on 1200+ workstations at more than 100 sites worldwide.

Bronze Sponsor and Exhibitor



Contact Information:

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sales@entrypointnorth.com

entrypointnorth.com

Entry Point North is one of the largest ATS academies worldwide. The premier training solutions are carried out in accordance with best practices and all international rules and standards, including ICAO and European Commission.

Entry Point North is a total training solution provider offering a wide portfolio of training and services to aspiring and operational air traffic controllers, air traffic service officers, air traffic safety electronics and other aviation-related personnel. Training and services are delivered at modern facilities in Sweden, Ireland, Hungary, Denmark, Spain, Belgium from September 2018 and at client sites throughout Europe, the Middle East, Africa and Asia.

Lounge Sponsor



Contact Information:

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harris.com/atm

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.

Notebook Sponsor



Contact Information:

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frequentis.com

Frequentis Air Traffic Management (ATM) solutions leverage more than seventy years of ATC experience showcasing true leadership in this market. With deep cross-industry experience in aviation, defence, public safety, maritime and public transportation markets; the ATM business unit provides functionality in support of the needs of today's Air Navigation Service Providers (ANSP) and is ready to lead them through future evolutions of their infrastructure. As the transition from proprietary to open systems and the decentralisation of control centres and tower operations occurs; Frequentis will take you there with end-to-end security expertise.

Lanyard Sponsor



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marketingatm@thalesgroup.com
thalesgroup.com

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 modernisation initiatives, NextGen, ICAO ASBUs, and SESAR, Thales focusses 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.

Networking Break Sponsor

NORTHROP GRUMMAN

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parkairsystems.com

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.

Exhibitor

**AERIAL
MARITIME^{LTD}**

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aerial-maritime.com

Aerial & Maritime was established in 2015 with main shareholders being GomSpace Group and the Investment Fund for Developing Countries (IFU).

The Company's head office is located in Mauritius with subsidiaries and offices in Ghana and Denmark.

Aerial & Maritime offers a nanosatellite-based service for monitoring aircrafts and maritime vessels in a region spanning from latitudes 37 degrees Northern through 37 degrees Southern Latitude. Our primary offerings are Next-Generation enabled ADS-B and AIS services for monitoring aircraft and maritime vessels respectively.

Exhibitor



Aeronautical Radio of Thailand Limited (AEROTHAI) operates with a commitment to maintain a quality of air navigation services in accordance with international standards and to upgrade technology and human resources with the goal to enhance national capacity and develop the aviation industry in Thailand. More information is available at aerothai.co.th.

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aerothai.co.th

Exhibitor



indra

Indra is one of the world's top consulting and technology companies, the leader in IT in Spain, and the advanced technology partner for core business operations of its customers everywhere.

Contact Information:

+66 02 090 24 89

amcaceres@indracompany.com

indracompany.com

Within ATM, we have for more than a century delivered some of the major technological breakthroughs, and we continue to be in the forefront of innovation. More than 1300 airports around the world rely on the GAREX, NORMARC and InNOVA family of products for their reliability, proven track record and low lifecycle cost.

Exhibitor



AN **AIRBUS** COMPANY

Contact Information:

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Metron Aviation is helping the Air Traffic Flow Management industry minimize delays, reduce fuel costs and balance demand with capacity. Metron supports customers with a variety of ATFM tools and services that include decision management, post operational reporting and analysis, weather translation, environmental impact, assessment services, and advanced interactive ATFM simulation training. To solve your ATFM challenges, think Metron Aviation.

Exhibitor



SAAB

Contact Information:

+46 734 374479

per.ahl@saabgroup.com

saab.com/digitalairtrafficsolutions

Saab Digital Air Traffic Solutions being established by Saab and LFV, the Swedish Air Navigation Service Provider, to bring together the combination of operational and technical expertise for the benefits of our customers. Today we have a unique position in the market by having a multiple airport centre with operational approval for Air Traffic Control, today connecting three airports. Our learnings we gained through the approval process is what we now use helping our clients, internationally, to get into full operation swiftly.

Top class technology is only half the delivery.

Exhibitor

solace.

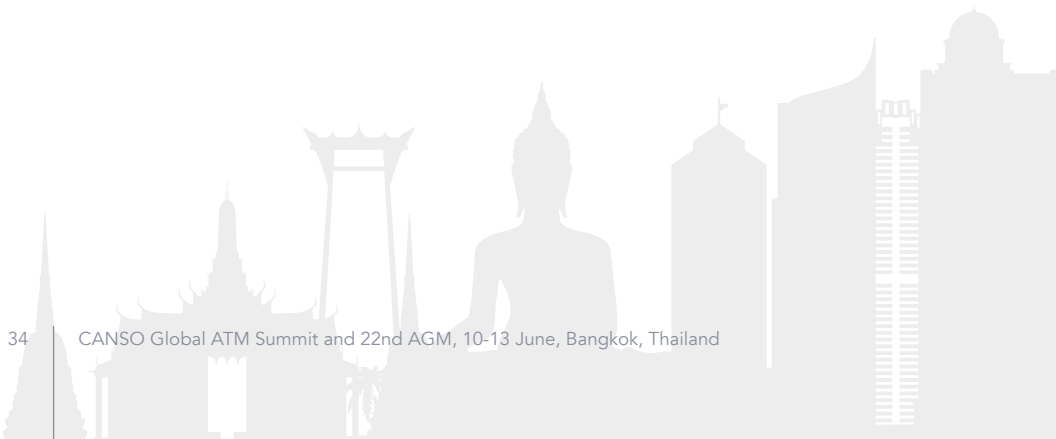
Contact Information:

+1 64 65 03 48 67

info@solace.com

solace.com

Solace technology efficiently routes real-time information between applications, devices and people across clouds using open APIs and protocols. Solace helps companies modernize legacy applications and successfully pursue analytics, big data, cloud computing and Internet of Things strategies. Leaders in a wide range of industries and around the world have used Solace technology to become more agile and efficient, to improve decision making and to offer their customers innovative data-driven services. Learn more at solace.com.



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Methodology and Best Practices for ASBU Implementation

13–17 August 2018
Singapore

19–23 August 2019
Singapore



For more information and registration
mai.mitrecaasd.org



SPECIAL EVENTS and ACTIVITIES



**SUNDAY** 10 JUNE 2018

09:00-16:00

Introduction – The Thai way of life

Embark on a journey by boat to the Sampran Riverside where you will learn about the vegetables and herbs commonly used in Thai cooking and pick your own ingredients before experiencing a traditional Thai cooking class. After, enjoy a lunch of the dishes you have made along with dishes specially prepared by the chef.

Please meet in The Athenee Hotel Lobby for a 09:00 departure. Comfortable clothing and footwear such as trainers is advised. Pre-booking during online registration is required.

Hosted by





MONDAY 11 JUNE 2018

09:00-16:00

City of Angels – The heart of Thai people

Experience the beautiful sights of Bangkok with a city tour, including the Royal Grand Palace and Emerald Buddha, a ride on a traditional long tail boat through the canals of Bangkok and lunch at Krua Khun Kung.

Please meet in The Athenee Hotel Lobby for a 09:00 departure. Comfortable clothing appropriate for visiting palaces and temples is advised (long sleeve tops, long trousers/skirts, no sandals or open footwear).



TUESDAY 12 JUNE 2018

09:00-17:00

Return to simplicity – The Thai local wisdom

Enjoy a visit to the Samut Songkhram Province, to Baan Bang Phlap (green community) to learn about local fruits and vegetables, how to make coconut sugar and process fruits, a bike ride around the coconut orchards, with lunch at Namtip Rimklong restaurant.

Please meet in The Athenee Hotel Lobby for a 09:00 departure. Comfortable clothing and footwear such as trainers is advised.

Hosted by



**MONDAY** 11 JUNE 2018

15:50-17:00

📍 Crystal A, Level 3, Athenee Tower

Following the CANSO Global ATM Summit focus on digitisation and data issues, this series of short presentations gives insight into how CANSO is presently using data to add value for Members across the areas of benchmarking, data analysis, reporting and cyber security.

Learn about how the generation and analysis of data within CANSO is helping to make improvements within the ATM industry, and find out how you can contribute to and benefit from CANSO reports and data benchmarking exercises.

Participating Members and CANSO staff will present an overview of current and future data benchmarking exercises and what has been delivered thus far, followed by Q&As. CANSO staff will also be available the next day for further questions and information during the CANSO Table Talks.

Introduction to CANSO Data Generation and Analysis

- Kimberly Pyle, Safety Programme Manager, CANSO
- Ted Fudge, Assistant Director ICAO Affairs, CANSO

Safety Benchmarking and Data Sharing

This presentation will explore CANSO's various safety benchmarking exercises and how these are contributing to improved safety performance.

- Steve McMahon, FAA ATO, Chair CANSO Safety Standing Committee
- Kimberly Pyle, Safety Programme Manager, CANSO

Global Performance Reporting

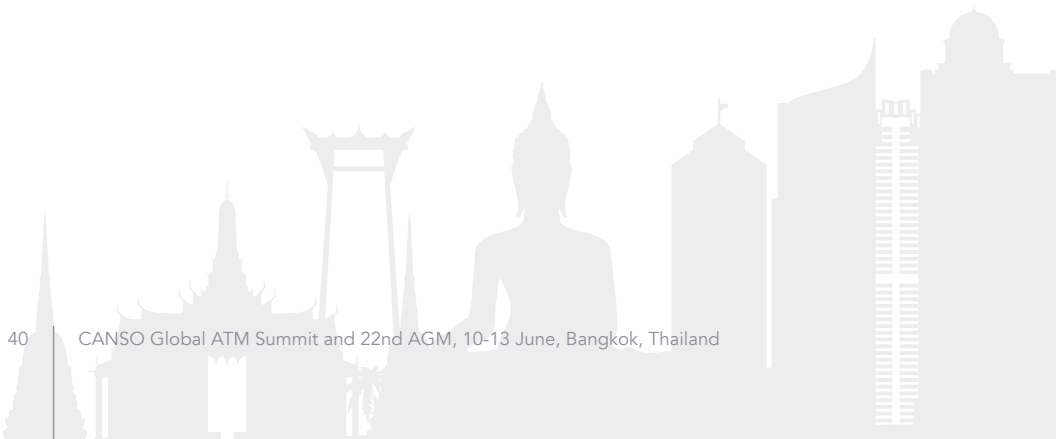
This presentation will consider how data on the productivity and cost-efficiency of air navigation services can be used to improve performance.

- Siree Vatanavikit, AEROTHAI, Chair CANSO Global Benchmarking Workgroup
- Ted Fudge, Assistant Director ICAO Affairs, CANSO

Data and Flexible Operations

This presentation will consider how the collection and analysis of data can influence the creation and implementation of air navigation services best practice.

- Brendan Kelly, NATS, Chair CANSO Operations Standing Committee
- Rafael Quezada, Operations Programme Manager, CANSO



Cyber Security: The Risks and the Safeguards

This presentation will consider the security implications of managing and utilising data and the tools and best practice guidance available to safeguard and optimise data usage.

- Nico Voorbach, Director ICAO Affairs, CANSO

Close

- Kimberly Pyle, Safety Programme Manager, CANSO
- Ted Fudge, Assistant Director ICAO Affairs, CANSO

**TUESDAY** 12 JUNE 2018

09:00-11:30 Associate Members

11:30-14:00 Full Members

📍 Crystal A, Level 3, Athenee Tower

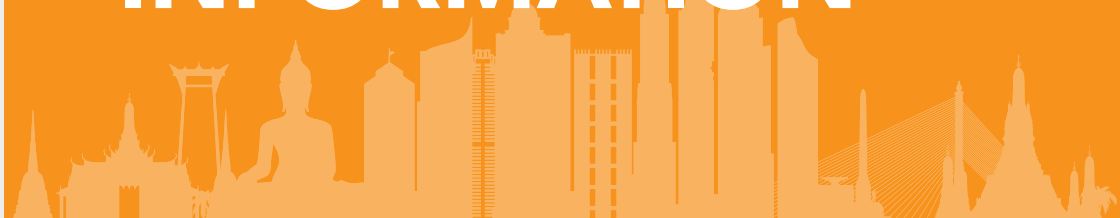
Meet with CANSO region directors and programme managers in an informal atmosphere and find out how to make the most of your membership. CANSO Table Talks give you the opportunity to learn about CANSO's regional and global initiatives, ask questions, offer feedback. You can also find out about getting involved in CANSO workgroups and initiatives, and the benefits this can bring to your organisation.

Located in the exhibition area, you are welcome to join any table at any time between 09:00-14:00 (09:00-11:30 is ideal for Associate Members and 11:30-14:00 for Full Members). Each table is hosted by one of the CANSO region directors or programme managers responsible for overseeing initiatives within one of the CANSO regions or ICAO, operations, safety, or strategy and integration.

- Boni Dibate, Africa
- Javier Vanegas, Latin America and Caribbean
- Hai Eng Chiang, Asia Pacific
- Eduardo Garcia, Europe
- Nico Voorbach and Ted Fudge, ICAO Affairs
- Rafael Quezada, Operations
- Kimberly Pyle, Safety
- Alison MacMaster, Strategy and Integration



DRESS CODE AND PRACTICAL **INFORMATION**





Dress Code

Sunday 10 June

Cultural Programme

Casual

Welcome Reception

Smart casual

Monday 11 June

CANSO Global ATM Summit

Business

Gala Dinner

Cocktail

Spouse Programme

Casual

Tuesday 12 June

Annual General Meeting

Business

Closing Dinner

Smart casual

Spouse Programme

Casual



Business

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.

Casual

Comfortable shoes and attire.



Event Venue

The Athenee Hotel

61 Wireless Road (Witthayu)

Lumpini, Pathumwan, Bangkok 10330 Thailand

www.theatheneehotel.com

The Athenee Hotel is approximately 40 minutes car drive from Suvarnabhumi Airport.



Transport from Suvarnabhumi Airport

To get to Bangkok by taxi follow the signs at Suvarnabhumi Airport to floor one. Ensure you take a ticket from the touch screen machines and proceed to the lane number printed on your ticket.

Airport taxis are green and yellow and are metered. The approximate cost of a taxi from Suvarnabhumi Airport to Bangkok is 380 Baht (EUR 10). Please note this includes the 50 Baht (EUR 1.30) airport surcharge and toll of 70 Baht (EUR 1.80). Cash is the accepted form of payment.

An Airport Rail Link, sky train (BTS) takes you from Suvarnabhumi Airport to Bangkok city. The Airport Rail Link costs approximately 45 Baht (EUR 1.17). It can take approximately up to one hour to arrive in Bangkok when using the Airport Rail Link, sky train (BTS).



Transport within Bangkok

Taxis are a common means of transport and easy to find throughout the city. Different taxi companies use different colour taxis; however you will be able to spot a taxi by the taxi meter sign on the roof of the car. Cash is the accepted form of payment.

Bangkok has its subway (MRT) serving as the backbone transportation of the city. Tuk-Tuk, Song-Thew (Red Pickup bus), Rod-May (Local Bus), Mor-Sai (Taxi Bike) and Rua-Rew (Taxi boat) are spreading around Bangkok.



WIFI Access

All delegates will have full access to WIFI during the CANSO Global ATM Summit and 22nd AGM. WIFI information will be provided during registration periods and during the conference.



Electricity

The type of electrical plug and socket typically used in Thailand is two parallel prongs. Thailand has AC 220 volts and 50 cycles.



Language

Thailand's official language is Thai; however the CANSO Global ATM Summit and 22nd AGM and associated sessions will be conducted in English.



Time Zone

The time zone in Thailand is UTC+7 hours.



Currency

Thai baht (THB) is the currency used in Thailand. 1 EUR is approximately 40 THB and 1 USD is approximately 30 THB.



Water

Although the tap water in Bangkok is chemically treated, it is recommended to drink only bottled water and beverages.



Emergency Contacts

Ambulance and Rescue: 1554

Medical Emergency: 1669

Fire Brigade: 199

Police: 191 - however to contact an English speaking operator it is advised to contact the Tourist Police on 1155.

CANSO EVENTS



CANSO Africa Conference 2018

📍 Mombasa, Kenya

📅 3-5 September



CANSO Latin America and Caribbean Conference 2018

📍 Buenos Aires, Argentina

📅 5-7 November



CANSO Global ATM Safety Conference 2018

📍 Banff, Canada

📅 26-30 November



CANSO in Madrid 2019

CANSO brings together a number of high-profile CANSO events and countless networking opportunities in Madrid

📍 Madrid, Spain

📅 11 -14 March



CANSO Global ATM Operations Conference 2019

📍 Langen, Germany

📅 April



CANSO Asia Pacific Conference 2019

📍 Fukuoka, Japan

📅 21-23 May

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Departures

Departing to	Airline	Flight	Time	Sta
Madrid	 World ATM Congress	2019	12-14 March	On T
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Madrid	 World ATM Congress	2019		

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

NOTES



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HOST



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