

*Shaping Asia Pacific ATM -  
Global Vision, Regional Action*



**canso**

**ASIA PACIFIC  
CONFERENCE**

**4 - 6 MAY 2016  
QUEENSTOWN, NEW ZEALAND**



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## CANSO Asia Pacific Conference

Queenstown, New Zealand, 4 - 6 May 2016

### Organised by CANSO



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.

### Hosted by Airways New Zealand



Airways provides world-class air traffic control training, services and solutions to customers around the globe. As New Zealand's air navigation service provider, we have proud history of safe and reliable operational performance and a global reputation for leading innovation and development in the aviation sector.

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Aireon is deploying a global, space-based air traffic surveillance system for ADS-B equipped aircraft over the entire globe. For the first time, Aireon will provide real-time ADS-B surveillance to oceanic, polar and remote regions, as well as augment existing ground-based systems that are limited to terrestrial airspace. Aireon will harness next generation aviation surveillance technologies and extend them globally to significantly improve efficiency, enhance safety, reduce emissions and provide cost savings benefits to all stakeholders. In partnership with leading ANSPs like NAV CANADA, the Irish Aviation Authority, ENAV and Naviar, as well as Iridium Communications, Aireon will have an operational, global, space-based air traffic surveillance system by 2018.

### CANSO Asia Pacific Members

#### AEROTHAI

Airport & Aviation Services (S.L.) Limited (AASL)

AirNav Indonesia

Airports Authority of India

Airports Fiji Limited

Airservices Australia

Airways New Zealand

Air Navigation & Weather Services, CAA (ANWS)

Civil Aviation Authority, Bangladesh (CAAB)

Civil Aviation Authority of Singapore (CAAS)

Cambodia Air Traffic Services Co., Ltd (CATS)

Civil Aviation Authority of Mongolia

Civil Aviation Authority of Nepal (CAAN)

Civil Aviation Authority of the Philippines

DCA Myanmar

Federal Aviation Administration (FAA)

Japan Air Navigation Service (JANS)

Maldives Airports Co. Ltd

NATS

PNG Air Services Ltd

Vietnam Air Traffic Management Corporation (VATM)



## Copthorne Hotel and Resort Queenstown Lakefront

27 Frankton Road, 9300  
Queenstown, New Zealand  
Tel: +64 3 450 0260

## Millennium Hotel Queenstown

32 Frankton Road, 9300  
Queenstown, New Zealand  
Tel: +64 3 450 0150



## Conference Dinner Venue

AJ Hackett Bungy Centre  
25 Shotover Street: Corner of Shotover and Camp Streets  
Queenstown 9300, New Zealand  
Tel: +64 3450 1300

## Dress Codes

4 May: For all meetings, workgroups and Welcome Reception - **Smart Casual\***  
5 May: Conference - **Business Attire\*\***  
5 May: Conference Dinner - **Smart Casual\***  
6 May: Workshops - **Smart Casual\***

### **\*Smart Casual:**

*Collared shirts / polo shirts, no ties required for men. Pants or casual dress for women. It is suggested to bring a jacket to the Conference Dinner.*

### **\*\*Business Attire:**

*Collared shirts, jacket and ties for men. Business suit for women.*

## Event Contacts

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FOR MORE INFORMATION:  
[canso.org/canso-global-atm-summit-20th-agm](http://canso.org/canso-global-atm-summit-20th-agm)





Dear Colleagues,

On behalf of CANSO, it is my great pleasure to welcome you to the tenth CANSO Asia Pacific Conference, in Queenstown, New Zealand. We welcome over 150 participants from Asia Pacific and other parts of the world.



I would like to thank the Government of New Zealand for its support and in particular our Guest of Honour, the Honourable Simon Bridges, Minister of Transport, who has kindly agreed to open and address the Conference. I wish to thank Airways New Zealand for kindly hosting this Conference and in particular Ed Sims, its CEO, for his great personal support. I also wish to thank our generous sponsors without which this Conference would not be possible.

It is eight years since the opening of the CANSO Asia Pacific Office in 2008, during which time CANSO membership for this region has increased from four to 21 Members. CANSO is firmly established as the voice of air traffic management (ATM) in the region, working closely with States and industry partners to progress regional initiatives for transforming air traffic management performance.

CANSO's strategic framework for the ATM industry, Vision 2020, lays out our global vision for enhancing safety, improving efficiency and harmonising airspace. Asia Pacific is at the forefront of implementing Vision 2020 with its initiatives on implementing air traffic flow management, ADS-B, performance based navigation and others. This Conference explores how the region is turning Vision 2020 into reality through its theme 'Shaping Asia Pacific ATM – Global Vision, Regional Action.' During the Conference we will look at how our industry can successfully manage the growth in air traffic in the world's largest aviation region. We will discuss what ANSPs need to do to prepare for the future and will focus on how technology can help; organisational improvements; and cooperation across the industry and across borders.

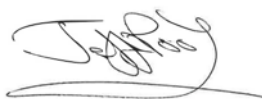
After the main conference, we will be conducting three workshops. For the first time safety and operations experts will conduct a joint workshop on human performance and fatigue management. The other two workshops will provide useful information on safety management maturity and implementing ASBUs and PBN.

We are delighted to be joined by an impressive line-up of aviation speakers from the region's ANSPs, regulators, associations and industry partners. Together, we will share vital knowledge and expertise as we discuss the key priorities facing the region.

We hope you enjoy the Conference discussions and make full use of the numerous social and networking opportunities during your stay in Queenstown. We wish you a productive and memorable Conference. If you require anything during your stay, please contact the CANSO Events Team.

Finally, please join me in thanking the Airways New Zealand staff and the CANSO staff who have worked tirelessly to make this a successful, valuable and enjoyable Conference.

Yours sincerely,



Jeff Poole  
Director General, CANSO



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## WEDNESDAY 4 MAY 2016

09.00 - 17.00 Venue: Conference Room I of the Copthorne Hotel and Resort

### Asia Pacific Safety Workgroup Meeting\*

\*Project and WG members only

09.00 - 17.00 Venue: Conference Room II of the Copthorne Hotel and Resort

### Asia Pacific Operations Workgroup Meeting\*

\*Project and WG members only

17.30 - 18.00 Venue: Conference Room I of the Copthorne Hotel and Resort

### Speakers' Briefing

17.00 - 19.00 Venue: Lower Lobby of the Copthorne Hotel and Resort

### Conference Pre-Registration - Sponsored by Airways New Zealand

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19.00 - 21.00 Venue: Impressions Restaurant and Bar of the Copthorne Hotel and Resort

### Welcome Reception - Sponsored by Airways New Zealand

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## THURSDAY 5 MAY 2016

07.30 - 09.00 Venue: Galaxy I and II of the Millennium Hotel

### Registration and Welcome Refreshments Sponsored by Airways New Zealand

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09.00 - 10.00

### Opening Addresses

- **Mr. Jeff Poole**, Director General, CANSO
- **Mr. Ed Sims**, CEO, Airways New Zealand
- **Mr. Arun Mishra**, Regional Director, ICAO Asia & Pacific Office
- **Mr. Kevin Shum**, Chair, Asia Pacific CANSO CEO Committee and Director General, Civil Aviation Authority of Singapore
- **Hon. Simon Bridges**, Minister of Transport, New Zealand

10.00 - 10.30 Venue: Galaxy III of the Millennium Hotel

### Refreshment Break Sponsored by Honeywell

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10.30 - 11.00

### Special Guest Speaker – The Customer's Perspective

- **Special Guest Speaker: Mr. Christopher Luxon**, CEO, Air New Zealand

Facilitator: Mr. Hai Eng Chiang, Director Asia Pacific Affairs, CANSO



## THURSDAY 5 MAY 2016 - continued

11.00 - 12.15

### Global Vision – The Future of ATM

Air transport is a vital engine of economic growth with airlines carrying over 3.5 billion passengers and 50 million tonnes of cargo annually. As a critical component of the aviation system, ATM plays a crucial role in ensuring the safety, efficiency and sustainability of aviation. With air traffic projected to double by 2030, what is the global vision for the future of ATM? What are the building blocks of this vision, the critical success factors that must be embraced by ANSPs and their stakeholders, and the impediments that need to be recognised and overcome?

Panelists:

- **Ms. Teri Bristol**, Chief Operating Officer, FAA ATO
- **Mr. Hitoshi Ishizaki**, Director General, Japan Air Navigation Service
- **Mr. David Harrison**, Chairman, Safety Standing Committee, CANSO and Safety Director, NATS
- **Mr. Cyriel Kronenburg**, Vice President of Aviation Services, Aireon LLC

Facilitator: Mr. Hai Eng Chiang, Director Asia Pacific Affairs, CANSO

12.15 - 12.45

### Introduction to New Members

- **Mr. Arnold Balucating**, Assistant Director General ANS, Civil Aviation Authority of the Philippines
- **Mr. Sanjiv Gautam**, Director General, Civil Aviation Authority of Nepal
- **Mr. Ganbold Purevjav**, Director, Department of ATM, Civil Aviation Authority of Mongolia

Facilitator: Mr. Hai Eng Chiang, Director Asia Pacific Affairs, CANSO

12.45 - 13.45 **Venue: Galaxy III of the Millennium Hotel**

### Lunch

13.45 - 15.15

### ATM Challenges and Opportunities in the Asia Pacific Region The ANSP and Stakeholders' Perspectives

Today the Asia Pacific Region is the world's largest aviation market commanding one third of global passenger traffic. The implications for the region are clear – rising demand without commensurate increase in capacity will adversely impact the safety, efficiency and sustainability of air transport with serious consequences for the economic well-being of countries in the region. What are the challenges and opportunities for the region's ANSPs and their stakeholders and how best can they prepare themselves for the future individually and collectively?

Panelists:

- **Dr. Pham Viet Dzung**, Director General, Vietnam Air Traffic Management Corporation
- **Mr. Blair Cowles**, Regional Director Safety and Flight Operations, IATA
- **Captain Amornvaj Mansumitchai**, Executive Vice President Asia Pacific, IFALPA
- **Mr. Johanne Jayaratne**, Executive Director, Airport & Aviation Services (S.L.) Limited

Facilitator: Mr. Hai Eng Chiang, Director Asia Pacific Affairs, CANSO



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THURSDAY 5 MAY 2016 - continued

15.15 - 15.45 Venue: Galaxy III of the Millennium Hotel

**Refreshment Break**  
*Sponsored by Honeywell*

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15.45 - 17.15

## Regional Action – Connecting the Dots in the Asia Pacific Region

ANSPs in this region have to prepare themselves for the future on several fronts: harnessing appropriate technology; addressing what needs to be done at the organisational and institutional level to improve operational and safety performance; and collaborating closely across borders and the industry. ANSPs must also be able to recruit, develop and retain the human capital needed for success. While the vision is global, what are the actions that the region and the individual ANSPs must undertake to connect the dots that will transform the vision into reality?

Panelists:

- **Mr. Ed Sims**, CEO, Airways New Zealand
- **Mr. Arun Mishra**, Regional Director, ICAO Asia and Pacific Office
- **Mr. Tinnagorn Choowong**, Chair, APAC Operations Workgroup, CANSO and Executive Vice President Operations, AEROTHAI
- **Dr. Rob Weaver**, Chair, APAC Safety Workgroup, CANSO and Executive General Manager Safety, Environment and Assurance, Airservices Australia

*Facilitator: Mr. Hai Eng Chiang, Director Asia Pacific Affairs, CANSO*

17.15 - 17.30

## Closing Remarks and Announcement by Host of Next Year's Conference

- **Mr. Kevin Shum**, Chair, Asia Pacific CANSO CEO Committee and Director General, Civil Aviation Authority of Singapore
- Announcement by Host of CANSO Asia Pacific Conference 2017

19.00 - 21.00 Venue: AJ Hackett Bungy Centre

**Conference Dinner** - *Sponsored by Indra*

 **indra**

Buses will transport delegates from the lobbies of the Millennium Hotel and the Copthorne Hotel and Resort at **18.00** (30 minutes transportation time).





## FRIDAY 6 MAY 2016

09.00 - 17.00 Venue: *Galaxy I and II of the Millennium Hotel*

### Joint Safety and Operations Workshop on Human Performance and Fatigue Management

09.00 - 10.30	<i>Facilitators:</i> <ul style="list-style-type: none"><li>• <b>Mr. Rob Weaver</b>, Chair, APAC Safety Workgroup, CANSO and Executive General Manager Safety, Environment and Assurance, Airservices Australia</li><li>• <b>Mr. Tinnagorn Choowong</b>, Chair, APAC Operations Workgroup, CANSO and Executive Vice President Operations, AEROTHAI</li></ul>	
10.30 - 11.00	Morning Refreshments - <i>served at Galaxy III</i>	
11.00 - 12.30	Joint Safety and Operations Workshop on Human Performance and Fatigue Management (continued)	
12.30 - 13.30	Lunch - <i>served at Galaxy III</i>	
Please choose to attend one of the following workshops (A) or (B)		
13.30 - 15.00	(A) Safety Management Maturity Workshop - <i>Venue: Galaxy I</i>	(B) ASBU and PBN Implementation Workshop <i>Venue: Galaxy II</i>
15.00 - 15.30	Afternoon Refreshments - <i>served at Galaxy III</i>	
15.30 - 17.00	(A) Safety Management Maturity Workshop	(B) ASBU and PBN Implementation Workshop

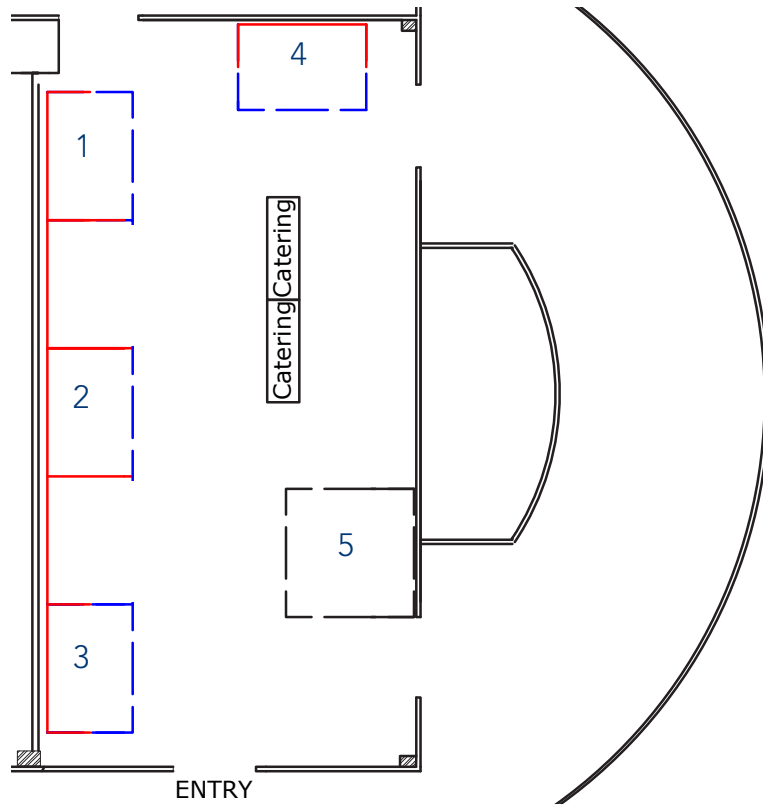
## SATURDAY 7 MAY 2016

09.30 - 14.00

Host Programme - Sponsored by Airways New Zealand		<b>AIRWAYS</b> making your world possible
Attendees will depart from the hotel lobbies at 09.30 for a short trip to the wharf and then onto the TSS Earnslaw for a steam boat tour across the lake to Walter Peak Station. This will involve a sheep dog demonstration and a 'high country lunch' which will be provided. Departing at 13.00, the boat will return to the wharf by 13.30. Attendees will arrive back at the hotel by 14.00.		
09.30	Departure of transport bus from both the lobbies of the Millennium and Copthorne Hotel to the wharf	
10.00	Arrival at the wharf	
10.00 - 13.00	Steam boat tour across lake to Walter Peak Station with complimentary lunch	
13.00 - 13.30	Arrival back at the wharf	
13.30 - 14.00	Arrival back at the hotel lobbies	



## Exhibition: Galaxy III of the Millennium Hotel



### Exhibitor Floor Plan:

1. Flightyield
2. NTT Data Corporation
3. NATS
4. Thales
5. Airways New Zealand

## Sponsor and Exhibitor Directory



Aireon is deploying a global, space-based air traffic surveillance system for ADS-B equipped aircraft over the entire globe. For the first time, Aireon will provide real-time ADS-B surveillance to oceanic, polar and remote regions, as well as augment existing ground-based systems that are limited to terrestrial airspace. Aireon will harness next generation aviation surveillance technologies and extend them globally to significantly improve efficiency, enhance safety, reduce emissions and provide cost savings benefits to all stakeholders. In partnership with leading ANSPs like NAV CANADA, the Irish Aviation Authority, ENAV and Naviar, as well as Iridium Communications, Aireon will have an operational, global, space-based air traffic surveillance system by 2018.

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Airways provides world-class air traffic control training, services and solutions to customers around the globe. As New Zealand's air navigation service provider, we have proud history of safe and reliable operational performance and a global reputation for leading innovation and development in the aviation sector. Our team partners with some of the industry's best to deliver world-leading aviation solutions and innovations. As a customer of Airways you're assured of leading-edge thinking, internationally recognised best practice training programmes, access to the latest simulation technology and top quality outcomes.

[airways.co.nz/](http://airways.co.nz/)



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Frequentis Air Traffic Management (ATM) solutions leverage more than sixty 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.

[frequentis.com](http://frequentis.com)**Honeywell**

Honeywell is an active participant in both the NextGen and SESAR programs and we are leading the way in developing technologies for the modernisation of the ATM system. Our innovative solutions, such as the SmartPath Ground Based Augmentation System (GBAS) and our next generation, RNP enabling Flight Management Systems increase airport access and capacity, improve routing efficiency and reduce operating costs, making a more intelligent and effective ATM ecosystem possible today. Honeywell ATM solutions are available today, meeting the evolving needs of government agencies, aviation customers and airline passengers across the globe. With Honeywell, you're cleared to land.

[aero.spacehoneywell.com/atm](http://aero.spacehoneywell.com/atm)**indra**

Indra is a leading global IT & Defence company with more than 95 years' experience in ATM. Indra's ATM Automation Systems, Surveillance Sensors, Nav aids, Communications- and Airports Systems are operational on all continents, in over 160 countries and more than 4,000 installations. Indra provide solutions to all your Air Traffic Management needs with 42,000 employees all over the world and subsidiaries in 40 countries, including Indra Navia, Indra Australia and Indra Avitech. The company invests more than 20 million per year in R&D and plays a leading role in the SESAR Program.

[indracompany.com](http://indracompany.com)**NATS**

NATS is a leading air navigation services specialist, handling 2.2 million flights in 2014/15, covering the UK and eastern North Atlantic. NATS provides air traffic control from centres at Swanwick, Hampshire and Prestwick, Ayrshire. NATS also provides air traffic control services at 15 UK airports including Heathrow, Gatwick, Stansted, Birmingham, Manchester, Edinburgh and Glasgow; 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 also offers aerodrome, data, engineering and consultancy solutions to customers worldwide, including airports, air traffic service providers and Governments. There is more information on the NATS website at [www.nats.aero](http://www.nats.aero).

[nats.aero](http://nats.aero)**NTT DATA**

NTT DATA Corporation has been accumulating expertise on the development of socially embedded and mission-critical IT infrastructures. We have 40 years of experience in the Aviation Domain in Japan. At the CANSO Asia Pacific Conference 2016, we proudly exhibit our new line of products named airpalette®. We would like to highlight the airpalette® eTOD solution which uses our own unique remote-sensing technology in collaboration with the U.S. company DigitalGlobe, and airpalette® 3D Simulator, an innovative air traffic controller training system utilizing AI (Artificial Intelligence). We also exhibit airpalette® ATFM and flight procedure design software (PANADES). We welcome all delegates and look forward to seeing you to exchange opinions.

[nttdata.com](http://nttdata.com)**THALES**

World leader in ATM, Thales offers integrated gate-to-gate solutions, from pre-flight to landing, ensuring airport safety, efficient traffic handling operations, data sharing on aircraft and seamless handover operations between territories. We combine half a century's experience in development and deployment with 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. A key player in all major ATM modernisation initiatives, ICAO Aviation System Block Upgrades (ASBU), SESAR and NextGen, Thales focuses on international harmonization. Our product roadmaps are aligned with ICAO ASBU concepts, NextGen and SESAR.

[thalesgroup.com](http://thalesgroup.com)



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## World ATM Congress

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IFEMA, Feria de Madrid  
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### Future Dates:

**2017:** 7-9 March

**2018:** 6-8 March

**2019:** 12-14 March

