World ATM Congress 2017
Operated by CANSO in partnership with ATCA

'ADAPTING TO CHANGE IN ATM – CREATING THE RIGHT CULTURE'
World ATM Congress 2017
Conference Programme

Air traffic management (ATM) is a complex, high technology industry characterised by a focus on safety, a dependence on humans and a fragmented governance structure based on State-by-State institutional arrangements. It is on the cusp of significant changes as a result of deployment of new technologies, new entrants to airspace and to the ATM industry, increasing competition and the ever-present pressures from airlines and other airspace users for improved performance and cost efficiency.

Despite the desire for harmonised global approaches, 'single' regional skies and air traffic flows based on user requirements rather than national boundaries, the industry faces significant political and institutional barriers to change. Furthermore, there is considerable diversity among air navigation service providers with regard to national and regional cultures, organisation and business models, levels of traffic density, traffic complexity, ATM infrastructure and technological platforms. The 'what' needs to be done to facilitate transformation is often clear while the 'how' to achieve it remains elusive.

The Conference of World ATM Congress 2017 considers how best to 'create the right culture' that will facilitate desired change, quicker, in this complex environment. It will start with an airline view – not just of the airline requirements but how the airline business has coped with and facilitated major changes and how it is seeking to respond to geopolitical changes and events. It will then look at achieving better performance through people and at how to collaborate more effectively between multiple stakeholders. It will take a fresh look at a specific example of the challenges of change in ATM - how to integrate remotely piloted aircraft systems and drones safely into and alongside airspace.

Tuesday 7 March

09.15 – 9.45: <u>Brief Introductions and Opening/Welcome</u>

- Peter F. Dumont, President and CEO, ATCA
- Jeff Poole, Director General, CANSO
- Angel Luis Arias Serrano, Director General, ENAIRE
- Íñigo de la Serna Hernáiz, Minister, Ministry of Public Works and Transport, Spain

09.45 – 10.00: <u>Keynote Speaker</u>

- **Violeta Bulc, Commissioner for Transport, European Commission**

10.00 – 11.00: <u>Session One: Responding to Geopolitical Change and Black Swans</u>
ATM is adept at handling challenges at the operational level on a daily basis - but what about the broader geopolitical changes now taking place and not within the control of ATM?

For this session we have asked a high profile and highly respected airline CEO to highlight the airline requirements of ATM, to describe how significant changes have been faced and overcome in the recent past and how the airline is "creating the right culture" to overcome even greater challenges in the future. How exactly does the airline inspire a common view and recognition amongst its management, staff, shareholders, regulator and others of its planned changes?

How does an organisation ensure it has a culture of adapting with timely and speedy responses not only to the 'predicted' future but also to the sudden shifts in traffic flows and traffic growth caused by factors such as Brexit, US political change, fuel prices, strong currency swings, major international conflicts, natural disasters, etc?

How does the global aviation industry survive and thrive in an increasingly isolationist political environment?

<u>Keynote Speaker:</u>

<u>Willie Walsh, Chief Executive Officer, IAG and Chair of the Board of Governors of the International Air Transport Association (IATA)</u>

<u>Economic outlook</u>: impact of change caused by economics and politics (in relation to aviation and ATM)

- Brian Pearce, Chief Economist, IATA

11.00 – 11.30: <u>Networking Break</u>

11.30 – 12.45: <u>Session Two: Creating a Performance and Innovation Culture in ATM</u>

With such a strong emphasis on safety and an almost in-built resistance to change in ATM, what are the 'new ingredients' that will enable the right culture to drive improved performance through innovation and acceptance of new concepts and technologies?

How do we ensure positive challenges to conventional thinking and facilitate new, more holistic thinking to the emerging and critical issues facing ATM?

Are there different approaches for management, staff, industry partners and regulators or is a generic partnership approach the best way forward?

What can we learn from the latest 'human performance' work in ATM that may assist with creating the right culture?

How does an industry supplier ensure that its workforce is motivated to commit and invest in the future of its ANSP customers?

How can we ensure that ATM is truly attractive to the next generation?

<u>Moderator</u>: Steve McMahon, Deputy Vice President, Safety and Technical Training, Federal Aviation Administration

<u>Panel</u>:
- Stephen Angus, Executive General Manager, Air Navigation Services, Airservices Australia
- Capt. Gilbert Macharia Kibe, Director General, Kenya Civil Aviation Authority
- Patrik Peters, President and CEO, IFATCA
- Ed Sayadian, President Mission Networks, Harris Corporation

12.45: <u>Lunch and World ATM Congress Exhibition</u>

09.15 – 10.30: <u>Session Three: Information Technology and the Culture of Collaboration</u>

As the world of ATM evolves and changes, so does the need to exchange information faster and more efficiently to ensure well-informed decisions. Information technologies will provide the mechanisms but how will the requirements for collaboration be affected in a complex, multi-stakeholder industry? How can we do better? Trust is a pre-requisite for effective collaboration - but how do we create a culture of trust between organisations when so much is dependent on automated technology?

What lessons can be learned from today's challenges of cross-border, cross-industry and civil-military collaboration? How do we ensure integration and deployment in a safe and secure manner of dedicated gateways and IP networks to create homogeneous infrastructure? How do major industry suppliers collaborate with different ANSP customers in multi-faceted environments?

<u>Moderator</u>: Martin Rolfe, Chief Executive Officer, NATS

<u>Panel</u>:
- Florian Guillermet, Executive Director, SESAR Joint Undertaking
- Todd Donovan, Vice President, Strategy & Marketing, Thales Air Traffic Management
- Eldar Hauge, Managing Director, Indra Navia AS
- Norbert Haslacher, Member of the Executive Board, Frequentis AG

10.30 – 11.00: <u>Networking Break</u>

11.00 – 12.30: <u>Session Four – Airspace and UTM: Driving the Future or Left Behind?</u>

Drones, remotely piloted aircraft systems (RPAS), unmanned aerial vehicles (UAVs) . . . whatever the name, they are already with us and there is much debate on the challenges to and the implications for airspace management. How can we bring together and properly integrate some fundamentally different ways of thinking, different cultures and operational concepts of operations as well as different business models and social drivers?

Numerous research, operational, policy and regulatory initiatives are underway on UTM (Unmanned Aircraft System Traffic Management) concepts – but what new frameworks, approaches and responsibilities are needed to coordinate and harmonise the airspace implications of UTM, given so many different organisations and stakeholders with such diverse (and often conflicting) interests and cultures?

Is a new approach needed to enable all to embrace the opportunities but prevent fragmented approaches, duplications and gaps?

How will autonomous operations, and standards, driven as much by market forces as aviation requirements, affect the role of regulation and change the existing paradigms of ATM?

This session will look at how the European Commission is intending to establish oversight of drones and its implications for ATM, followed by a panel discussion to provide some broader perspectives.

<u>Moderator</u>: David Harrison, Safety Director, NATS

<u>Speaker:</u> Matthew Baldwin, Deputy Director General, Directorate-General for Mobility and Transport, European Commission

<u>Panel:</u>

- Craig Marcinkowski, Director, Strategy & Business Development, Gryphon Sensors, LLC
- Marc Kegelaers, Chief Executive Officer, Unifly NV
- Sean Cassidy, Director, Safety & Regulatory Affairs, Amazon Prime Air
- Kevin Shum, Director General, Civil Aviation Authority of Singapore
- Teri L. Bristol, Chief Operating Officer, FAA Air Traffic Organization

12.30: <u>Lunch and World ATM Congress Exhibition</u>