



Press Release

ATM and airports join forces to reduce aviation noise and emissions

Amsterdam, 27 February 2019 - The Civil Air Navigation Services Organisation (CANSO) and Airports Council International (ACI) have partnered to launch new guidance material for reducing aviation noise and emissions.

CANSO and ACI, in collaboration with aviation industry partners, have worked to identify opportunities to enhance operational efficiency and capacity while maintaining the highest level of safety. [New guidance material](#) developed by CANSO's Performance Based Navigation Workgroup and international contributors from ACI brings together extensive expertise and experience from across the industry, and explores the role of operational improvements like performance-based navigation in reducing aircraft noise and emissions.

Performance Based Navigation (PBN) is a concept that enhances aircraft routing and procedures using an advanced, satellite-enabled form of air navigation to enable aircraft to fly a precise vertical and lateral flight path. This offers a number of operational benefits including enhanced safety, increased efficiency and reduced cost. The CANSO/ACI best practice also demonstrates how it can contribute to the reduction of aircraft emissions and concentration of aircraft noise, making it vital for managing aviation's potential impact on communities.

The new CANSO/ACI guidance material, [Use of Performance Based Navigation \(PBN\) For Noise Management](#), provides the aviation industry and States with insight into how PBN can boost the sustainability of aviation, strategies for implementation and recent case studies on it being used as an effective noise mitigation technique. The guidance is also applicable to non-PBN influenced flight path changes, and highlights the important role of stakeholder consultation and collaboration in improving aviation.

CANSO Director General, Simon Hocquard, said: "Managing aviation-related noise and emissions is a complex issue and requires the whole aviation industry to work together to improve performance, from aircraft design, trajectory and speed, to optimal flight routing and seamless ground-to-air operations. For its part, ATM is helping to optimise the use of airspace and ensure safe, efficient and effective airborne operations by championing the latest best practice and technologies. CANSO is honoured to work alongside ACI in determining how ANSPs can further support efficient operations for airports, airline operators and States, and ensure we are socially and environmentally responsible in everything we do".

ACI World Director General Angela Gittens, said: "If our industry is to grow while continuing to manage and minimise its impact then effective collaboration and stakeholder engagement is key. ACI welcomed the opportunity to work with CANSO on creating guidance for our members in implementing measures



to improve efficiency and safety while also reducing aviation-related noise and emissions – and, importantly, creating dialogue with the noise-affected communities surrounding our airports to explain those improvements.”

ENDS

Notes for editors

CANSO

The **Civil Air Navigation Services Organisation** (CANSO) is the global voice of air traffic management (ATM) worldwide. CANSO Members support almost 90 percent 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 in major regulatory and industry forums, including at ICAO, where it has official Observer status. CANSO has an extensive network of Associate Members drawn from across the aviation industry. For more, visit canso.org.

The **CANSO Performance-based Navigation Workgroup** (PBN WG) helps ANSPs implement performance-based navigation (PBN) through best practice guidance material and strategic concepts. These activities also help States develop and implement PBN. It has identified current and future PBN-related technologies and their operational application. This assists Members in preparing for the future PBN environment, including earmarking resources, identifying requirements for collaboration, and allocating funding. It is developing guidance on PBN flight path changes and resulting environmental challenges. The workgroup represents CANSO on the ICAO PBN Study Group.

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ACI

Airports Council International (ACI), the trade association of the world’s airports, was founded in 1991 with the objective of fostering cooperation among its member airports and other partners in world aviation, including the International Civil Aviation Organization, the International Air Transport Association and the Civil Air Navigation Services Organization. In representing the best interests of airports during key phases of policy development, ACI makes a significant contribution toward ensuring a global air transport system that is safe, secure, efficient and environmentally sustainable. As of January 2019, ACI serves 646 members, operating 1,960 airports in 176 countries.

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