



canoso
civil air navigation services organisation

Implementing ATFM and CDM

TRANSFORMING
GLOBAL ATM PERFORMANCE

SAMIG23 Lima, Peru

Implementing Air Traffic Flow Management and Collaborative Decision Making

Contribution

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Introduction

- ATFM is an enabler of air traffic management (ATM) efficiency and effectiveness. It contributes to the safety, efficiency, cost-effectiveness, and environmental sustainability of an ATM system
- The CDM process is a key enabler in any ATFM strategy, allowing for the sharing of all relevant information among decision-makers and supporting an ongoing dialogue between the various stakeholders throughout all phases of flight
- Implementing ATFM is a high priority for CANSO, which produces best practice and conducts training and workshops across the regions to assist air navigation service providers (ANSPs) to do so
- CANSO ATFM Data Exchange Network for the Americas (CADENA) is part of the assistance supporting ANSPs

CANSO publication

- This CANSO document highlights the tremendous benefits of ATFM/CDM and A-CDM. It builds on and is complementary to ICAO Doc 9971 and provides practical examples of ATFM/CDM implementation by CANSO Members
- The CANSO ATFM Workgroup begins this publication with explanations about why ATFM is important and how industry requirements can drive the need for it
- How ATFM will be carried out, in what form, the measures required, and the complexity of the implemented system
- How to determine what factors need to be considered in developing a concept of operations



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CANSO publication

- Provides guidance on determining airport and airspace, nominal and dynamic capacity
- Defines and depicts the ATFM operational phases, and contrasts the roles of air traffic control (ATC) and ATFM
- Discusses potential ATFM measures and how their use can optimise capacity
- Defines the various stakeholders, such as the ATFM unit, airspace users, airport authorities, and even weather services and the military, it defines their roles and responsibilities and how their participation is vital to the CDM process

CANSO publication

- Looks at the functions of ATFM, to include A-CDM, arrival management (AMAN) and extended arrival management (XMAN)
- Shows methods of measuring ATFM performance to realise the benefits by performing post-operations analysis
- Looks at the evolution of ATFM and some possibilities and a vision of the future of ATFM/CDM
- Concludes with four examples where ATFM/CDM was successfully implemented



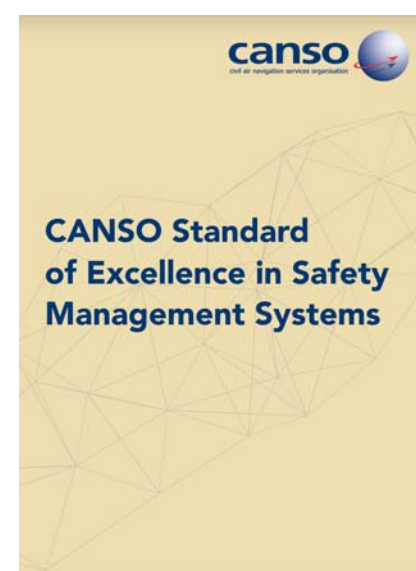
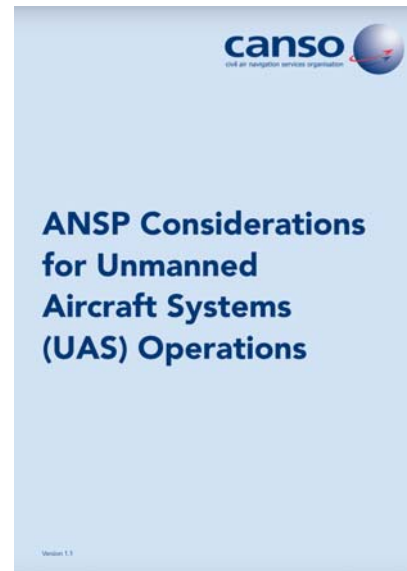
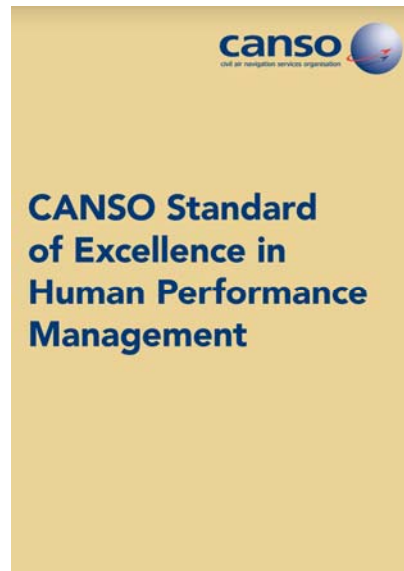
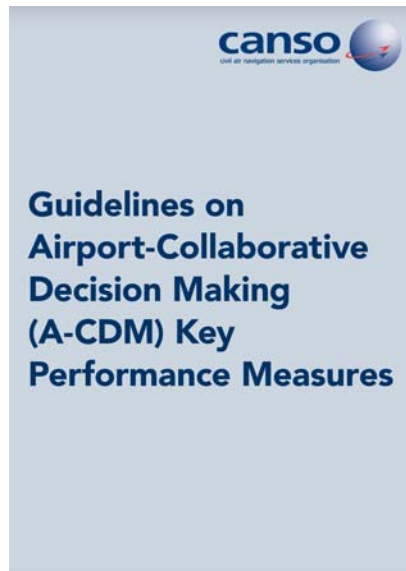
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CANSO ATFM Data Exchange Network for the Americas



CADENA was nominated for the CANSO Award of Excellence in ATM
to take place in Geneva June 18, 2019

Recent publications



Thank you!



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