INTERNATIONAL CIVIL AVIATION ORGANIZATION

Fourth Meeting of the APIRG Airspace and Aerodrome Operations Sub-Group (AAO/SG4), Virtual Meeting, 16 to 18 August 2021

Agenda Item 3.2: Aerodrome Operations (Safety Capacity and Efficiency) Projects

INFORMATION SHARING AMONG ALL AIRPORT STAKEHOLDERS, AS AN ENABLER FOR ACDM IMPLEMENTATION.

(Presented by IATA)

SUMMARY
This Working Paper (WP) provides an overview on the importance of the establishment of an environment where operational information can be shared, in real time, among all the airports stakeholders, in order to enable Collaborative Decision Making (CDM).
REFRENCE(S): **ICAO Doc 9971**
Related ICAO Strategic Objective(s): Safety, Air Navigation Capacity and Efficiency, Economic Development of Air Transport and Environmental Protection

1.   **INTRODUCTION**

1.1   Airlines can incur delays and other inefficiencies such as additional fuel burn as result of operational constraints imposed by lack of coordination procedures and ineffective sharing of operational information among airport operators, airlines , ground handlers and air traffic control.

1.2   In order to support the efficiency of airport operations by optimizing the use of resources and improving the predictability of events at airports , a set of operational procedures and automated process need to be put in place to allow real time sharing of information among airport's stakeholders as a prerequisite to Airport Collaborative Decision-Making (A-CDM)

1.3   At airports where A-CDM is not implemented, best practices such as push back/start up and taxi clearance requests and approvals can be considered by ATCOs based on the principle of **"First come, First served"**, to ensure operators do not miss on their calculated take off times (CTOT).

1.4   At airports where A-CDM is implemented, push back /start up and taxi clearances approval is based on the principle of **"Best planned, best served"** where pre departure sequence is established through collaborations of all airport stakeholders.

2. DISCUSSION

3.1   A-CDM involves cultural changes, handling of sensitive data, procedural changes and building confidence and understanding among airport operators and service providers.

3.2   The timely exchange of operational information will enable collaboration in the efficient management of operations at an airport; therefore reduce airlines operating costs attributed to fuel burn and delays.

2.3   The sharing of information can be achieved through establishment of an information sharing/CDM platform and/or the review of coordination procedures among the airport's stakeholders, in order to break down the silos.

2.4   Airport operators are encouraged to adopt the CANSO Mombasa ATFM Roadmap, as a guideline, in implementing the A-CDM to ensure alignment among AFI states.

3.5   Barriers and challenges to sharing of information and A-CDM implementation are rather cultural than technology related.

3. ACTION BY THE MEETING

The meeting is invited to:

a)   Note the information in this paper

b)   Urge States consider the positive impact, information sharing, as an enabler to A-CDM on efficiency of airports operations,

c)   Raise the airport stakeholders' (i.e. Air traffic control, Airport operators, and Ground handlers. Etc.) Awareness on the importance of timely sharing of operational information as enabler to A-CDM through sensitization such as trainings and Seminars.

d)   Consider the review of the existing coordination procedures among the airport's stakeholders and /or the establishment of a basic information sharing/CDM platform in order to foster information sharing as proposed in the Mombasa A-CDM Roadmap.