AIRPORT CDM

AIRPORT COLLABORATIVE DECISION MAKING

What is Airport Collaborative Decision Making (A-CDM)?

A-CDM is the timely exchange of information between operational users and suppliers of services at airports and the network manager. Following initial success at Munich Airport in 2007, the A-CDM Action Plan was launched by EUROCONTROL and airport industry body ACI EUROPE one year later. Over 30 airports in Europe are at various stages of implementing A-CDM, with progress reported in November each year.

The benefits of participating in A-CDM start with enhanced accuracy and better predictability of arrival and departure information. Flight punctuality and network efficiency improve as airport partners' work together to optimise aircraft turnaround, reduce runway taxi-ing times and make the most of existing airport capacity. Harmonised CDM applications at airports are key for aircraft operators to fully benefit from A-CDM.

Overall efficiency gains are available for all airport partners working with A-CDM. A number of European airports already benefit from fully implemented A-CDM. Here are some examples:

SAVINGS	BENEFICIARIES
Brussels	
■ Absorption of delay at the gate and no longer at the runway resulted in annual savings of:	
- 17022 tonnes of CO_2	Aircraft Operator, Airport Community
- 22 tonnes of NOx	Aircraft Operator, Airport Community
- 5400 tonnes of fuel	Aircraft Operator
- 2.7M €/year in fuel saving	Aircraft Operator
■ Average reduction of taxi time outbound: 3 minutes	Aircraft Operator, Airport Operator, Air Navigation Service Provider
Munich	
■ Average ATFM slot adherence 93% in 2011	Aircraft Operator, Airport Operator, Air Navigation Service Provider
■ 10% average reduction in taxi time	Aircraft Operator, Airport Operator
■ 2.65M €/year in fuel saving	Aircraft Operator
Paris Charles De Gaulle	
■ Average taxi out time reduction by 2 minutes and 4 minutes in Adverse Conditions	Aircraft Operator, Airport Operator
■ Reduced fuel consumption: 14 t /day	Aircraft Operator
■ Reduced emissions: 44 t CO_2 /day	Aircraft Operator, Airport Community
Frankfurt	
■ Improved runway usage and take off flow	Aircraft Operator, Airport Operator, Air Navigation Service Provider
■ Reduction of the impact of arrival delay leading to a more punctual departure and stable TOBT process	Aircraft Operator, Airport Operator, Air Navigation Service Provider

If you would like to know more about A-CDM and how to achieve successful implementation please contact:

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