

# Airport-CDM

## With CDM, Paris-CDG Airport Optimises its Operations

**CDM@CDG has proved its efficiency in normal and adverse conditions**

### CDM@CDG: an efficient organisation to handle operations at the largest airport in Europe

Today, thanks to Collaborative Decision-Making (CDM), Paris-Charles de Gaulle optimises its airport operations. All actors involved (ATC, airport operators, handlers, airlines, Météo France) share their information and work together in a more transparent manner:

- Conference calls (twice a day)
- Dedicated website: [www.CDMparis.net](http://www.CDMparis.net) (24/7)
- Dedicated weather forecasts (24/7)
- Advanced set of tools for Pre-Departure Sequence
- CDM Operations Centre (open on request)
- CDM Performance Review (Monthly)

### Significant benefits in 2013 for airlines and passengers at Paris-CDG

In poor weather conditions (fog, snow...), the CDM Operations Centre at Paris-CDG airport has performed efficiently by making collegial decisions that have produced the best possible scenarios. During severe snow crisis, Paris-CDG airport remained open when major European airports had to close. New functions have been developed such as de-icing management. Once the disrupted situation ends, return to normal operations is quicker.

Safety	less congestion on ground and at holding points
Predictability	3 hours in advance
Taxi time	reduction of 8% (up to 4 min per flight under disrupted situation)
Fuel Consumption	reduction of 4,000 tons per year
CO <sub>2</sub> emissions	reduction of 13,000 tons per year

“In 2015, CDM will be deployed at Paris-Orly and Lyon Saint-Exupéry airports”



Paris-CDG, certified "Airport CDM" since November 2010

**62**  
millions  
passengers  
per year

**200**  
airlines & main hubs  
for Air France and Fedex

**500,000**  
movements per year

**3**  
control  
towers

**110** km  
of taxiways

**1** apron management  
tower  
**4** runways



D S N A



# Feedback from Stakeholders about CDM@CDG

## AIRPORT OPERATIONS



### AÉROPORTS DE PARIS

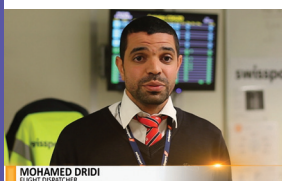
**Noémie VELLOU**

#### AIRSIDE OPERATIONAL MANAGER

During a crisis, the worst thing is to have to make a decision with only a partial view of the situation. Right

now with CDM, we have all the key stakeholders around the table, we can share information, have a view of the big picture and thus makes for more efficient decisions.

Before it was: "First call, first served", now it is: "First scheduled, first served".



### SWISSPORT

**Mohamed DRIDI**

#### FLIGHT DISPATCHER

Firstly, we thought that CDM was a constraint for us, but finally with early and reliable information, we

can anticipate and optimise our time on duty to be efficient for our customers.

## AIR NAVIGATION SERVICE PROVIDER



### DSNA

**Patricia ITHIER**

#### AIR TRAFFIC CONTROLLER (CDG)

Air Traffic controller at Paris-CDG

Now, under normal conditions we have only 7 aircraft taxiing to the

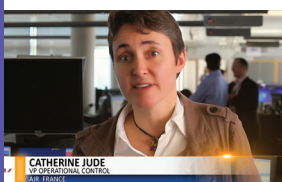
runway at the same time, compared to 20 before. On the worst day of a severe snow crisis in 2013, we managed to handle 64% of the scheduled flights, while other airports had to close.

“Worldwide, DSNA has shared its experience in A-CDM through workshops: ICAO, CANSO”



The CDM Operations Centre at Paris-CDG Airport

## AIRLINES



### AIR FRANCE

**Catherine JUDE**

#### VP OPERATIONS CONTROL

Thanks to new tools and improved communication and decision processes between the airport partners,

CDM has generated great progress in disruption management at Paris-CDG, especially for winter operations. It is very valuable for Air France and its customers.



### FEDEX

**Frédéric BOUCHER**

#### NETWORK OPERATIONS CONTROL

Annually, the result is a reduced ground fuel burn allowing us to save 210,000 gallons and 1,700 tons of CO<sub>2</sub> emissions.



### CHINA SOUTHERN

**Luo MING**

#### STATION MANAGER

A very good tool to keep our airline on time. Thank you to CDM!

## METEO FRANCE



### METEO FRANCE

**Daniel FOURNIER**

#### HEAD OF METEOROLOGICAL OPERATIONAL CENTRE

We have worked with a MET technical group and the result

was the realisation of a complete web site shared by all CDM users, with a chat system.

### Collaborative Pre-Departure Sequence (CPDS) Toolbox

With CDM, an advanced collaborative toolbox for PDS has been implemented to optimise operations.

CPDS calculates departure sequences for the next 3 hours horizon, based on "first scheduled, first served" and taking into account any updated estimated time of departure. This tool is synchronised with DMAN (this tool enables ATCO to validate departure management) and with the De-Icing Manager operated by Airport Airside Operator.

Furthermore, flexibility is offered to airlines: re-order, prioritise and substitute (DFLEX functions).

DSNA is a member of FABEC, SESAR JU and the A6 Alliance