

Connecting Europe

A-CDM Connectivity Status

Airport Collaborative Decision Making aims to improve the efficiency and resilience of airport operations by optimising the use of resources and improving predictability of air traffic.

The exchange of more accurate and timely departure information (e.g. target take-off times) with the network lead to better airspace planning and more accurate and timely arrival information (e.g. estimated landing times) lead the focus on aircraft turnaround and pre-departure processes.

Nowadays, A-CDM is implemented at 31 European airports, i.e. 36% of all departures in the NM area are leaving from airports that are fully connected to NMOC (Network Manager Operation Center) in Brussels.

Airport-CDM in Europe

Airports today

- Fully implemented are currently airports (39% of all NM departures)
- Ongoing implementations at 8 airports (+10% of all NM departures)
- Project phases at >10 other airports within NM Area

ANSP	A-CDM Airports
DFS (GER)	6
ENAV (ITA)	6
DSNA (FRA)	4
ENAIRES (ESP)	3+1
Skyguide (SUI)	2
NATS (GBR)	1+2
...	1

Source: Network Manager



These A-CDM airports are already connected with NMOC beginning chronologically with Munich Airport back in 2007 as the first A-CDM airport in Europe and reaching to our latest member Riga Airport in April 2021:

	A-CDM		
1	EDDM	MUC	Munich Airport
2	EBBR	BRU	Brussels Airport
3	LFPG	CDG	Paris Charles de Gaulle Airport
4	EDDF	FRA	Frankfurt Airport
5	EFHK	HEL	Helsinki Airport
6	EDDL	DUS	Düsseldorf Airport
7	EGLL	LHR	London Heathrow Airport
8	LSZH	ZRH	Zurich Airport
9	ENGM	OSL	Oslo Airport
10	LIRF	FCO	Rome Fiumicino Airport
11	EDDB	BER	Berlin Brandenburg Airport
12	LEMD	MAD	Madrid Barajas Airport
13	EDDS	STR	Stuttgart Airport
14	LIMC	MPX	Milan Malpensa Airport
15	LIPZ	VCE	Venice Airport
16	LKPR	PRG	Prague Airport
17	LEBL	BCN	Barcelona Airport
18	LSGG	GVA	Geneva Airport
19	LIML	LIN	Milan Linate Airport
20	LFPO	ORY	Paris Orly Airport
21	EKCH	CPH	Copenhagen Airport
22	LEPA	PMI	Palma de Mallorca Airport
23	EDDH	HAM	Hamburg Airport
24	LFLL	LYS	Lyon Airport
25	LIRN	NAP	Naples Airport
26	EHAM	AMS	Amsterdam Schiphol Airport
27	LPPT	LIS	Lisbon Airport
28	LFMN	NCE	Nice Airport
29	EPWA	WAW	Warsaw Airport
30	LIME	BGY	Bergamo Airport
31	EVRA	RIX	Riga Airport

Further A-CDM airport implementations are ongoing so that by 2022 for 39% of all departures in the NM area data will be exchanged via DPI (Departure Planning Information) and FUM (Flight Update Messages).

	A-CDM			Planned
1	LEMG	AGP	Malaga Airport	Q2 2021
2	EGKK	LGW	Gatwick Airport	Q3 2021
3	EIDW	DUB	Dublin Airport	Q4 2021
4	ESSA	ARN	Stockholm Arlanda Airport	Q4 2021
5	LOWW	VIE	Vienna Airport	Q4 2021
6	EGSS	STN	Stansted Airport	2022
7	EGCC	MAN	Manchester Airport	2022
8	LTFM	IST	Istanbul IGA Airport	Mid 2022
9	LGAV	ATH	Athens Airport	Q1 2022

Have a look at more potential candidates for A-CDM implementation identified by EUROCONTROL. If all of these also join the data exchange via DPI and FUM, the number of A-CDM departures in the NM area will even rise to 49% and the quality and safety of services will further improve for airspace users and passengers.

A-CDM			
1	LHBP	BUD	Budapest Airport
2	LLBG	TLV	Tel Aviv Airport
3	LTFJ	SAW	Istanbul Sabiha Gokcen Airport
4	EDDP	LEJ	Leipzig Airport
5	EDDK	CGN	Köln/Bonn Airport
6	LTAI	AYT	Antalya Airport
7	GMNN	CMN	Casablanca Airport

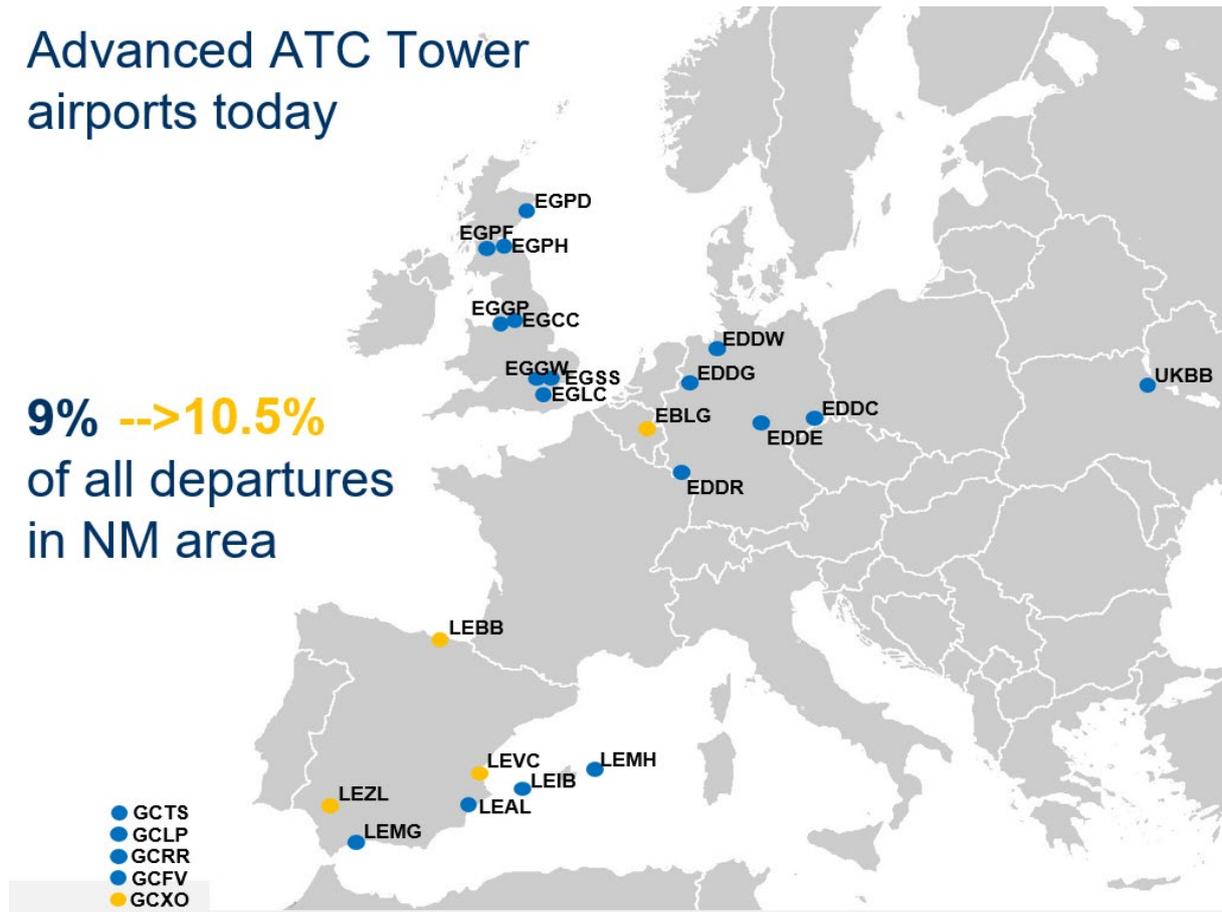
Advanced ATC Tower Connectivity Status

Smaller airports with less local capacity constraints are not obliged to implement A-CDM. Nevertheless, they have the possibility to integrate with the ATFCM Network (Air Traffic Flow and Capacity Management) and bringing them a step further to full A-CDM by sharing a very small subset of A-CDM information in a simple way.

Today, there are already 9% of all NM departures participating in this concept.

Advanced ATC Tower airports today

9% --> 10.5%
of all departures
in NM area



The following airports already improve their throughput and predictability as well as enhance the accuracy of traffic predictions for the whole network:

Advanced ATC Tower		
UKBB	KBP	Kiev Boryspil Airport
EDDG	FMO	Münster/Osnabrück Airport
EDDW	BRE	Bremen Airport
EDDC	DRS	Dresden Airport
EDDE	ERF	Erfurt Airport
EDDR	SCN	Saarbrücken Airport
EGCC	MAN	Manchester Airport
EGGW	LTN	Luton Airport
EGPD	ABZ	Aberdeen Airport
EGPF	GLA	Glasgow Airport
EGPH	EDI	Edinburgh Airport
EGSS	STN	Stansted Airport
LEAL	ALC	Alicante Airport
EGGP	LPL	Liverpool Airport
GCTS	TFS	Tenerife South Airport
LEMG	AGP	Malaga Airport
GCLP	LPA	Gran Canaria Airport
LEIB	IBZ	Ibiza Airport
LEMH	MAH	Menorca Airport
GCCR	ACE	Lanzarote Airport
GCFV	FUE	Fuerteventura Airport
LEVC	VLC	Valencia Airport
GCXO	TFN	Tenerife North Airport
LEBL	BIO	Bilbao Airport
EBLG	LGG	Leige Airport
LEZL	SVQ	Seville Airport

Further Advanced ATC Tower airport implementations are ongoing to achieve at least 10,5% of NM departures by the end of 2021.

	Advanced ATC Tower			Planned
1	LGAV	ATH	Athens Airport	Q2 2021
2	LGKF	EFL	Kefalonia Airport	Q2 2021
3	LGKO	KGS	Kos Airport	Q2 2021
4	LGKR	CFU	Corfu (Kerkyra) Airport	Q2 2021
5	LGKV	KVA	Kavala Airport	Q2 2021
6	LGMK	JMK	Mykonos Airport	Q2 2021
7	LGMT	MJT	Mytilene Airport	Q2 2021
8	LGPZ	PVK	Aktion Airport	Q2 2021
9	LGRP	RHO	Rhodes Airport	Q2 2021
10	LGSA	CHQ	Chania Airport	Q2 2021
11	LGSK	JSI	Skiathos Airport	Q2 2021
12	LGSM	SMI	Samos Airport	Q2 2021
13	LGSR	JTR	Santorini Airport	Q2 2021
14	LGTS	SKG	Thessaloniki Airport	Q2 2021
15	LGZA	ZTH	Zakynthos Airport	Q2 2021
16	LFBO	TLS	Toulouse Airport	Q3 2021
17	LFML	MRS	Marseille Airport	Q3 2021
18	EDDK	CGN	Köln/Bonn Airport	2022
19	LROP	OTP	Bucharest Airport	2022
20	EGAA	BFS	Belfast International Airport	TBC
21	EGAC	BHD	Belfast City Airport	TBC
22	EGGD	BRS	Bristol Airport	TBC
23	EGLF	FAB	Farnborough Airport	TBC

Additionally, these potential candidates are in EUROCONTROL's scope to at least obtain 15% of all NM departures from Advanced ATC Tower airports in the midterm:

Advanced ATC Tower		
LIRA	CIA	Rome Ciampino Airport
LTFJ	SAW	Istanbul Sabiha Gokcen Airport
LFSB	BSL	Bale/Mulhouse Airport
LLBG	TLV	Tel Aviv Airport
EGAE	LDY	Derry Airport
EGBE	CVT	Coventry Airport
EGHH	BOH	Bournemouth Airport
EGPE	INV	Inverness Airport
EGSH	NWI	Norwich Airport
EGTE	EXT	Exeter Airport