



Airport Collaborative Decision Making

A NATS solution

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Delivering the Eurocontrol CDM Concepts

EUROCONTROL Airport CDM Manual updated in November 2006



Munich completely implemented CDM and delivering benefits every day.

European Community specification being developed for 2008 covering technical requirements / aspects.

A screenshot of the European CDM portal website displayed in Microsoft Internet Explorer. The browser's address bar shows "http://www.euro-cdm.org/". The website header includes the "European CDM Collaborative Decision Making" logo and logos for IATA, EUROCONTROL, and ACI. A navigation menu on the left lists various airports, with "London Heathrow" selected. The main content area is titled "What is CDM?" and contains a bulleted list of information about CDM, including its purpose, promotional materials, and benefits. A "Newsroom" section on the right provides updates on AIRPORT CDM TASK FORCE meetings. The bottom of the page features three small images: a control tower, an airport runway, and an airplane.



Air Traffic Control

Aircraft Operators

- Improve predictability
- Improve on-time performance
- Reduce ground movement costs
- Optimise/enhance use of ground handling resources
- Optimise/enhance use of stands, gates and terminals
- Optimise the use of the airport infrastructure and reduce congestion
- Reduce wastage of ATFM slots
- Flexible predeparture planning
- Reduce apron and taxiway congestion

CFMU

Ground Handling

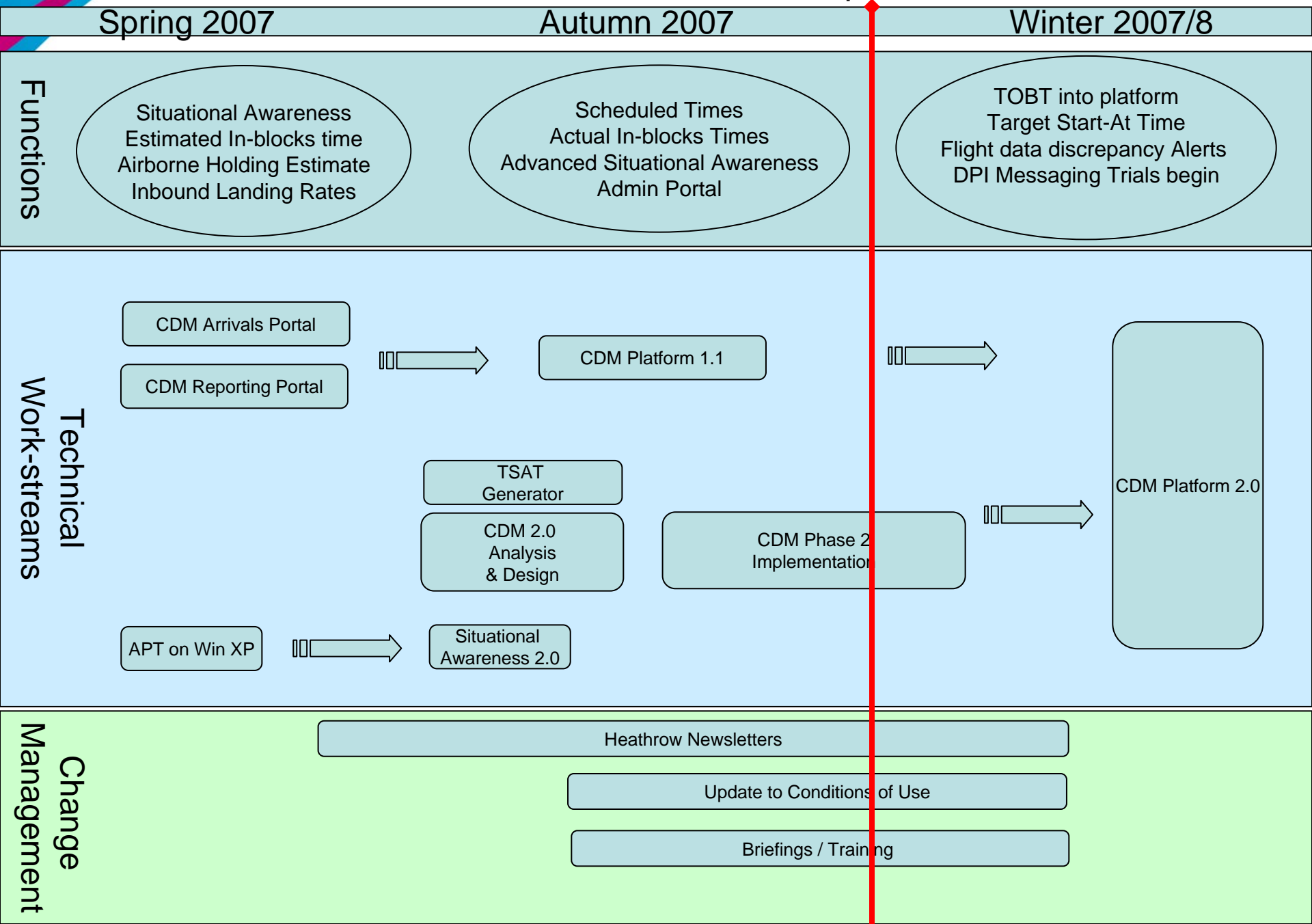
Airport Operations



Heathrow CDM

- Originally led by BAA, but now by NATS
- Leveraging NATS strong operational record and cultural change management
- Phase 1 developed as Proof of Concept
- Front-end created with airlines/ handlers
- Very well received by Customers – clear benefits already
- <https://www.natscdm.co.uk>

Heathrow CDM Roadmap





Managing Change

- Jointly agreeing how we want the future to look with CDM
- Gaining user buy-in with rapid development and deployment of tools driven by user community that support information sharing
- Communicating the benefits of CDM
- Crossing organisational boundaries – gaining support at high levels and selecting key individuals from the operation
- Small, focussed groups to solve problems

The NATS logo is displayed in white, bold, sans-serif capital letters. It is positioned in the upper left corner of the slide, partially overlapping a decorative graphic of wavy, overlapping bands in shades of purple, orange, and blue that flow across the top of the page.

NATS

LONDON HEATHROW CDM PORTAL

SYSTEM WALKTHROUGH





LONDON HEATHROW CDM PORTAL

Services:

- [Arrivals Portal](#)
- [Arrivals Reporting Portal](#)
- [Situational Awareness V2](#)
- [CDM Admin Portal](#)

The Arrivals Portal is driven by a NATS operational data system which is used by controllers to assist in the pre-planning of Heathrow arrivals; tactical last-minute changes may not be reflected on the Arrivals Portal. NATS provides the same core data to BAA however the Arrivals Portal benefits from a variable taxi time calculation to generate an estimated in-blocks time, based on where the aircraft would normally park. NATS will be integrating the Arrivals Portal with the new tower electronic flight strip system this summer to further improve the information available.

The Situational Awareness display is provided to assist operations staff with a better understanding of the current situation on the ground. Air Traffic Controllers have additional pieces of information that influence their operational decisions; Users must not use the Situational Awareness display to debate tactical decisions taken by ATC.





Last updated: 08 May 2007 11:16:37 UTC

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[refresh now](#)

Flight No.	ATC Call Sign	Holding Duration	ELDT	EIBT	Runway	Arrival Terminal	Type
BD 413	BMA2LJ	0:17	11:08	11:16	27L	1	A319
BD 146	BMA4RE	0:18	11:09	11:18	27L	1	A319
BA 1479	SHT7W	0:20	11:11	11:19	27L	1	A319
BA 813	BAW813	0:22	11:12	11:18	27L	4	A319
BA 965	BAW965	0:30	11:23	11:32	27L	1	A319
BA 6634	LAJ2D	0:30	11:25	11:31	27L	4	A321
-- ----	LAJ5K	0:15	11:25	--:--	27L	--	A320
BD 5	BMA5NL	0:25	11:26	11:34	27L	1	A319
BA 919	BAW919	0:16	11:27	11:36	27L	1	A319
BA 991	BAW73X	0:25	11:28	11:37	27L	1	A319
BD 816	BMA816	0:18	11:28	--:--	27L	--	E145
BA 343	BAW343	0:27	11:29	11:38	27L	1	A319
EK 1	UAE1	0:15	11:30	--:--	27L	--	B773
BA 565	BAW565	0:13	11:30	11:39	27L	1	A320
SU 241	AFL241	0:28	11:31	--:--	27L	--	A321
VS 8	VIR8	0:16	11:31	11:38	27L	3	B744
BA 903	BAW903U	0:21	11:36	11:45	27L	1	B752
BA 393	BAW393	0:18	11:37	11:43	27L	4	A321
BA 1391	SHT3U	0:20	11:39	11:47	27L	1	A320
IR 711	IRA711	0:25	11:40	--:--	27L	--	A306
BA 565	BAW565	0:21	11:40	11:49	27L	1	A320
BA 102	BAW102	0:26	11:41	11:47	27L	4	B772
AF 1570	AFR157A	0:18	11:42	11:48	27L	2	A320
KL 1013	KLM1013	0:18	11:43	11:49	27L	4	B734
BA 156	BAW156	0:18	11:45	11:51	27L	4	B772
BD 124	BMA9KD	0:19	11:46	11:54	27L	1	A320
BD 85	BMA2XF	0:13	11:49	11:57	27L	1	A320
BA 309	BAW309	0:19	11:49	11:55	27L	4	A321
EI 162	EIN162	0:15	11:54	12:02	27L	1	A321
BA 361	BAW361	0:24	11:55	12:01	27L	4	A319
LH 4754	DLH6PX	0:15	11:55	12:01	27L	2	A320
BA 753	BAW63G	0:15	11:57	12:03	27L	4	A319
SK 531	SAS531	0:16	11:58	12:03	27L	3	MD82
BA 286	BAW286	0:21	11:58	12:05	27L	1	B744
BA 118	BAW118	0:18	12:00	12:06	27L	4	B772
BA 1443	SHT9B	0:17	12:06	12:14	27L	1	A319
AA 136	AAL136	0:25	12:07	12:12	27L	3	B772
BA 256	BAW256	0:25	12:10	12:16	27L	4	B772

Arrivals Portal Update – released 14th November 2007

https://www.natsdm.co.uk/CDMArrivals/UpdateArrivalInfo.do - Connected via NATS Prestwick Gateway

NATS

LONDON HEATHROW: ARRIVAL PORTAL

Last updated: 20 November 2007 09:17:18 UTC | This page will refresh in 1 seconds | refresh now

Flight No.	ATC Call Sign	Holding Duration	ELDT	ALDT	EIBT	AIBT	Expected Runway	Actual Runway	Terminal	Stand	Aircraft Type
-- ----	EIN154	0:03	09:05	09:04	09:09	09:07	09L	09L	--	188	A320
BD 968	BMA968	0:01	09:03	09:03	09:07	09:09	09L	09L	--	144	A321
BA 849	BAW849	0:03	09:10	09:10	09:14	09:14	09L	09L	1	121	A319
BA 771	BAW771C	0:01	09:07	09:07	09:11	09:16	09L	09L	1	--	A319
-- ----	DLH7YX	0:04	09:09	09:09	--:--	09:16	09L	09L	--	--	B735
BA 114	BAW48K	0:01	09:08	09:06	09:20	--:--	09L	09L	4	--	B744
-- ----	AAL132	0:04	09:11	09:11	09:18	--:--	09L	09L	--	319	B772
-- ----	VIR10	0:02	09:13	09:13	09:21	--:--	09L	09L	--	307	B744
-- ----	CNO803	0:02	09:14	09:14	09:22	--:--	09L	09L	--	309	B738

Administrator Portal

Main - Connected via NATS Prestwick Gateway

NATS

LONDON HEATHROW: ADMIN PORTAL

Menu | [Flight Mapping List](#) | [Upload Flight Mapping](#) User: ImplementMgr Group: System Admin [Logout](#)


Flight Mapping List

Select

Select Airline:

Last Used Before:

IATA ID	ICAO ID	Effective From	Effective To	Last Used	Edit	<input type="checkbox"/>
BD411	BMA01J	14/02/1996	27/10/2007	27/10/2007	Edit	<input type="checkbox"/>
BD411	BMA01J	28/10/2007	27/03/2008	20/11/2007	Edit	<input type="checkbox"/>
BD125	BMA125	28/10/2007	27/03/2008	19/11/2007	Edit	<input type="checkbox"/>
BD126	BMA126	28/10/2007	27/03/2008	19/11/2007	Edit	<input type="checkbox"/>
BD163	BMA163	30/05/2006	27/10/2007	27/10/2007	Edit	<input type="checkbox"/>
BD163	BMA163	28/10/2007	27/03/2008	20/11/2007	Edit	<input type="checkbox"/>
BD164	BMA164	01/01/1996	27/10/2007	27/10/2007	Edit	<input type="checkbox"/>
BD164	BMA164	28/10/2007	27/03/2008	18/11/2007	Edit	<input type="checkbox"/>
BD165	BMA165	14/02/1996	27/10/2007	27/10/2007	Edit	<input type="checkbox"/>



NATS


Start Date (dd/mm/yy): Start Time (HH:MM) UTC:

End Date (dd/mm/yy): Start Time (HH:MM) UTC:

Carrier(s):

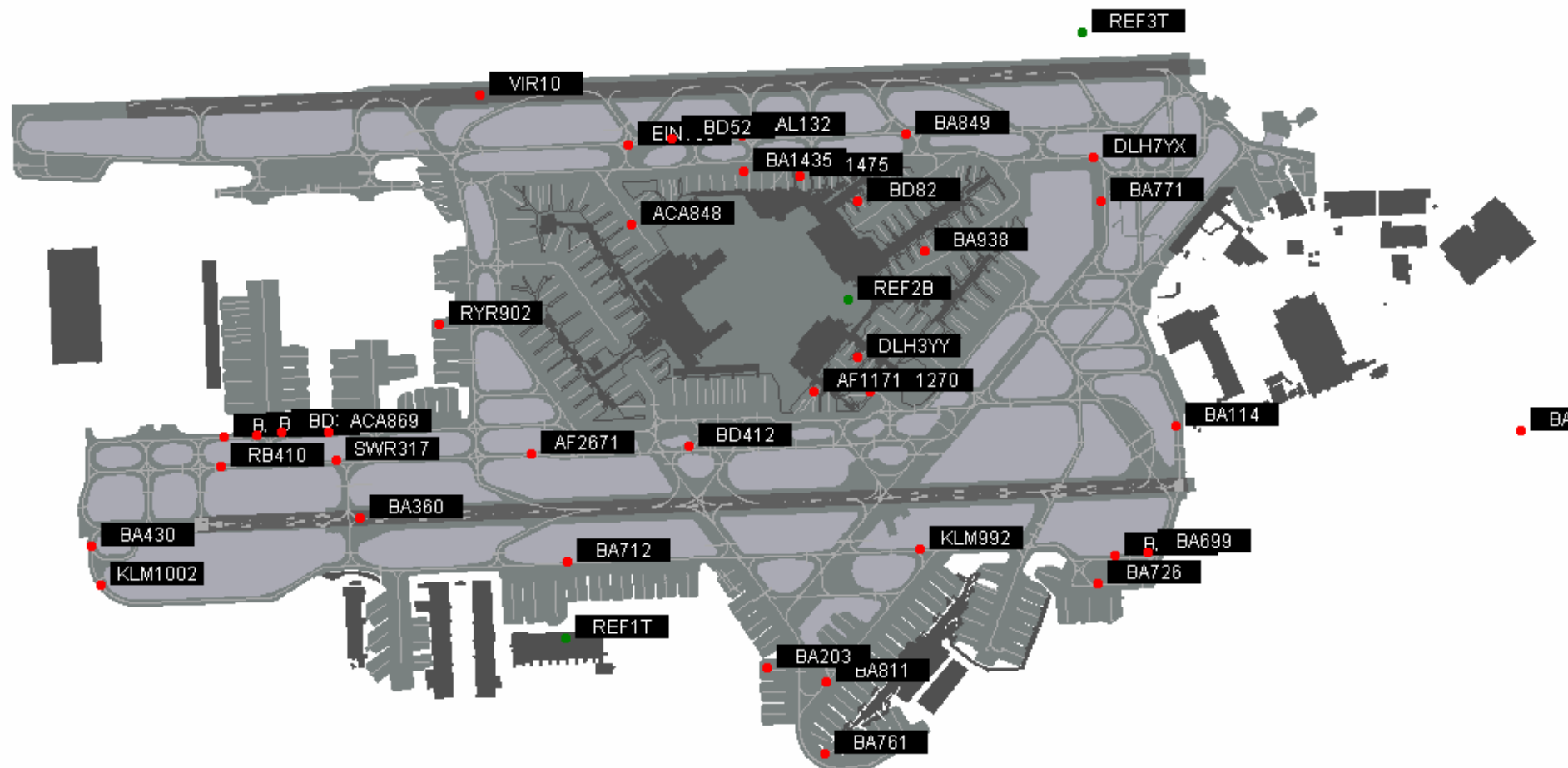
(Optional) Callsign: or (optional) IATA ID:

Min. Holding (HH:MM) Max. Holding (HH:MM)



Information only - not for operational use

CHANGE LABEL





Key benefits of the NATS CDM Approach

- Cultural change management a way of life in NATS
- Flexible approach to Project Management
- State of the art internet platform with secure access
- Delivered as a managed service – no new systems to maintain
- Established relationships with CFMU for Collaborative Management of Flight Updates
- User defined interfaces
- Established interface for decoding ASMGCS-enabled airports
- Platform capable of multi-channel targeted information delivery to CDM Partners
 - SMS text alert
 - Email
 - Web Application



Airport Collaborative Decision Making