

En-Route ATFM Delay Dataset (AUA)

Please note that software release 20.0 of the Network Manager on 04 April 2016 introduced a change to improve the accuracy of the ATFM delay calculation for operational purposes. For more information on the change in methodology click [here](http://ansperformance.eu/references/methodology/ATFM_delay_calculation.html) (http://ansperformance.eu/references/methodology/ATFM_delay_calculation.html).

Data description

The en-route ATFM delay (http://ansperformance.eu/references/definition/en-route_atfm_delay.html) provides an indication of ATFM delays on the ground due to constraints en-route.

In Europe, when traffic demand is anticipated to exceed the available capacity in en route centres or at airports, Air Traffic Control (ATC (<http://ansperformance.eu/references/acronym/atc.html>)) units may request the local Flow Management Position (FMP (<http://ansperformance.eu/references/acronym/fmp.html>)) to instigate an Air Traffic Flow Management (ATFM) measure, or regulation (<http://ansperformance.eu/references/definition/regulation.html>). Aircraft expected to arrive during a period of congestion are given ATFM delay at their departure airport, under the authority of the Network Manager, in order to regulate the flow of traffic into the constrained downstream en route sector or airport, thus ensuring safety.

The calculation of En-route ATFM delay is based on a well established and commonly accepted algorithm and has been in use as a commonly agreed proxy for en-route capacity shortfalls since 1999.

ATFM delay computation

The ATFM delays are calculated as the difference between the estimated take-off time calculated from the filed flight plan including updates and the calculated take-off time allocated by the central unit of ATFM.

The reason for the regulation is indicated by the responsible Flow Management Position (FMP).

The delay is attributed to the most constraining ATC unit.

Please note that the delays caused by READY to Depart (REA) messages and ATFM slot extensions were included in ATFM delays until NM release 20.0. As of 4 April 2016, delays due to REA messages and slot extensions are not included any longer which reduces the amount of computed ATFM delay.

Computation of traffic

The number of flights is based on ANSP boundaries (which are not necessarily coincidental with the FIR or geographical boundaries of the State).

ANSP definitions

The ANSP level information is based on an aggregation of Air Traffic control Unit Airspace (AUA). A list for each ANSP will be provided in due course.

Column naming and types

Column name	Data source	Label	Reason Group	Column description	Example
YEAR	Network Manager	YEAR		Reference year	2015
MONTH_NUM	Network Manager	MONTH		Month (numeric)	3
MONTH_MON	Network Manager	MONTH_MON		Month (3-letter code)	MAR
FLT_DATE	Network Manager	FLT_DATE		Date of flight	17/03/2015
ENTITY_NAME	PRU	ENTITY_NAME		Entity name	FAB CE
ENTITY_TYPE	PRU	ENTITY_TYPE		Type of the entity to which the data relates (ANSP, FAB, AREA)	FAB (AUA)
FLT_ERT_1	Network Manager	Flights		Total number of flights within the respective airspace	3853
DLY_ERT_1	Network Manager	En-route ATFM delay		Minutes of en-route ATFM delay	0
DLY_ERT_A_1	Network Manager	A - Accident/Incident	ER Disruptions	Minutes of en-route ATFM delay with delay code A - Accident/Incident	0
DLY_ERT_C_1	Network Manager	C - ATC Capacity	ER Capacity (ATC)	Minutes of en-route ATFM delay with delay code C - ATC Capacity	0
DLY_ERT_D_1	Network Manager	D - De-icing	ER Weather	Minutes of en-route ATFM delay with delay code D - De-icing	0
DLY_ERT_E_1	Network Manager	E - Equipment (non-ATC)	ER Disruptions	Minutes of en-route ATFM delay with delay code E - Equipment (non-ATC)	0
DLY_ERT_G_1	Network Manager	G - Aerodrome Capacity	ER Capacity	Minutes of en-route ATFM delay with delay code G - Aerodrome Capacity	0
DLY_ERT_I_1	Network Manager	I - Industrial Action (ATC)	ER Disruptions (ATC)	Minutes of en-route ATFM delay with delay code I - Industrial Action (ATC)	0

Column name	Data source	Label	Reason Group	Column description	Example
DLY_ERT_M_1	Network Manager	M - Airspace Management	ER Capacity	Minutes of en-route ATFM delay with delay code M - Airspace Management	0
DLY_ERT_N_1	Network Manager	N - Industrial Action (non-ATC)	ER Disruptions	Minutes of en-route ATFM delay with delay code N - Industrial Action (non-ATC)	0
DLY_ERT_O_1	Network Manager	O - Other	ER Disruptions	Minutes of en-route ATFM delay with delay code O - Other	0
DLY_ERT_P_1	Network Manager	P - Special Event	ER Events	Minutes of en-route ATFM delay with delay code P - Special Event	0
DLY_ERT_R_1	Network Manager	R - ATC Routeing	ER Capacity	Minutes of en-route ATFM delay with delay code R - ATC Routeing	0
DLY_ERT_S_1	Network Manager	S - ATC Staffing	ER Staffing (ATC)	Minutes of en-route ATFM delay with delay code S - ATC Staffing	0
DLY_ERT_T_1	Network Manager	T - Equipment (ATC)	ER Disruptions (ATC)	Minutes of en-route ATFM delay with delay code T - Equipment (ATC)	0
DLY_ERT_V_1	Network Manager	V - Environmental Issues	ER Capacity	Minutes of en-route ATFM delay with delay code V - Environmental Issues	0
DLY_ERT_W_1	Network Manager	W - Weather	ER Weather	Minutes of en-route ATFM delay with delay code W - Weather	0
DLY_ERT_NA_1	Network Manager	NA - Not specified	ER Disruptions	Minutes of en-route ATFM delay with delay code NA - Not specified	0
FLT_ERT_1_DLY	Network Manager	FLT_ERT_1_DLY		Number of en-route ATFM delayed flights	0
FLT_ERT_1_DLY_15	Network Manager	FLT_ERT_1_DLY_15		Number of en-route ATFM delayed flights (>15 min.)	0

ANSP Composition

ANSP composition on 2018-11-01.

ANSP_NAME	PRU_ATC_TYPE	AUA_CODE	AUA_NAME
Belgocontrol	APP	EBAWCTR	ANTWERPEN TOWER
Belgocontrol	APP	EBBRCTR	BRUSSELS TOWER
Belgocontrol	APP	EBBRTMA	BRUSSELS APPROACH
Belgocontrol	ACC	EBBUCTA	BELGOCONTROL
Belgocontrol	FIS	EBBUICTA	BRUSSELS FLT INFO
Belgocontrol	APP	EBCICTR	CHARLEROI/BRUS SOUTH
Belgocontrol	APP	EBCITMA	CHARLEROI APPROACH
Belgocontrol	APP	EBLGCTR	LIEGE TOWER
Belgocontrol	APP	EBLGTMA	LIEGE APPROACH
Belgocontrol	APP	EBOSCTR	OOSTENDE
Belgocontrol	APP	EBOSTMA	OOSTENDE APPROACH
DFS	ACC	EDGGNCTA	
DFS	ACC	EDGGSCTA	
DFS	ACC	EDMMCTA	MUENCHEN ACC
DFS	ACC	EDUUUTA	KARLSRUHE UAC
DFS	ACC	EDWWCTA	BREMEN ACC
MUAC	ACC	EDYYBUTA	BELGIAN SECTORS
MUAC	ACC	EDYYDUTA	DECO SECTORS
MUAC	ACC	EDYYHUTA	HANNOVER SECTORS
EANS	APP	EEEICTR	AMARI TWR
EANS	APP	EETNTMA	TALLINN APPROACH
EANS	ACC	EETTCTA	TALLIN ACC
EANS	APP	EETUCTR	TARTU TOWER
ANS Finland	FIS	EFETCTR	ENONTEKIO AFIS
ANS Finland	APP	EFHATMA	HALLI APPROACH
ANS Finland	APP	EFHKTMA	HELSINKI/VANTAA APP
ANS Finland	ACC	EFINCTA	EFIN ACC
ANS Finland	APP	EFIVTMA	IVALO
ANS Finland	APP	EFJOTMA	JOENSUU
ANS Finland	APP	EFJYTMA	JYVASKYLA APPROACH
ANS Finland	APP	EFKETMA	KEMI-TORNIO
ANS Finland	FIS	EFKICTR	KAJAANI AFIS
ANS Finland	APP	EFKKCTR	KOKKOLA-PIETARSAARI
ANS Finland	APP	EFKSTMA	KUUSAMO APP
ANS Finland	APP	EFKTTMA	KITTILA APP
ANS Finland	APP	EFKUTMA	KUOPIO APPROACH
ANS Finland	APP	EFLPTMA	LAPPEENRANTA

ANSP_NAME	PRU_ATC_TYPE	AUA_CODE	AUA_NAME
ANS Finland	APP	EFMATMA	MARIEHAMN
ANS Finland	APP	EFOUTMA	OULU
ANS Finland	APP	EFPOCTR	PORI
ANS Finland	APP	EFROTMA	ROVANIEMI APPROACH
ANS Finland	FIS	EFSACTR	SAVONLINNA AFIS
ANS Finland	APP	EFTPTMA	PIRKKALA APPROACH
ANS Finland	APP	EFTUTMA	TURKU
ANS Finland	APP	EFUTTMA	UTTI APPROACH
ANS Finland	APP	EFVATMA	VAASA
ANS Finland	FIS	EFVRCTR	VARKAUS AFIS
NATS (Continental)	APP	EGAATMA	BELFAST APPROACH
NATS (Continental)	APP	EGBBTMA	BIRMINGHAM
NATS (Continental)	ACC	EGCCCTA	MANCHESTER ACC
NATS (Continental)	APP	EGCCTMA	MANCHESTER APPROACH
NATS (Continental)	APP	EGFFTMA	CARDIFF
NATS (Continental)	APP	EGHITMA	SOUTHAMPTON
NATS (Continental)	APP	EGNHATZ	BLACKPOOL
NATS (Continental)	APP	EGPDTMA	ABERDEEN/DYCE
NATS (Continental)	APP	EGPFTMA	GLASGOW
NATS (Continental)	APP	EGPHTMA	EDINBURGH
NATS (Continental)	ACC	EGPXCTA	SCOTTISH ACC
NATS (Continental)	FIS	EGPXICTA	LONDON FIR-FIC
NATS (Continental)	APP	EGSSTMA	LONDON/STANSTED
NATS (Continental)	ACC	EGTTCTA	LONDON ATCC
NATS (Continental)	FIS	EGTTICTA	LONDON FIR-FIC
NATS (Continental)	ACC	EGTTTCTA	LONDON TMA TC
LVNL	ACC	EHAACCTA	AMSTERDAM CONTROL
LVNL	FIS	EHAAICTA	AMSTERDAM FIS
LVNL	APP	EHAMCTR	SCHIPHOL AMSTERDAM
LVNL	APP	EHAMTMA	SCHIPHOL APPROACH
LVNL	APP	EBBKCTR	MAASTRICHT TOWER
LVNL	APP	EBBKTMA	BEEK APPROACH
LVNL	APP	EHGGCTR	EELDE TOWER
LVNL	APP	EHGGTMA	GRONINGEN
LVNL	APP	EHRDCTR	ROTTERDAM TOWER
LVNL	APP	EHRDTMA	ROTTERDAM APPROACH
IAA	APP	EICKCTR	CORK TOWER
IAA	ACC	EIDWCTA	DUBLIN ACC
IAA	APP	EIDWCTR	DUBLIN TOWER
IAA	APP	EINNCTR	SHANNON TOWER

ANSP_NAME	PRU_ATC_TYPE	AUA_CODE	AUA_NAME
IAA	ACC	EISNCTA	SHANNON ACC
NAVIAIR	APP	EKAHTMA	AARHUS APP
NAVIAIR	APP	EKBITMA	BILLUND APP
NAVIAIR	APP	EKCHCTR	KOBENHAVN/KASTRUP
NAVIAIR	APP	EKCHTMA	KOBENHAVN/KASTRUP
NAVIAIR	ACC	EKDKCTA	COPENHAGEN ACC
NAVIAIR	APP	EKEBTMA	ESBJERG APP
NAVIAIR	APP	EKRKTMA	KOBENHAVN/ROSKILDE
NAVIAIR	APP	EKRNTMA	RONNE APPROACH
NAVIAIR	APP	EKVJTMA	EKVJ APP
NAVIAIR	APP	EKYTTMA	AALBORG APPROACH
ANA LUX	APP	ELLXCTR	LUXEMBOURG TOWER
Belgocontrol	FIS	ELLXICTA	LUXEMBOURG FLT INFO
ANA LUX	APP	ELLXTMA	LUXEMBOURG APPROACH
Avinor	APP	ENANTMA	ANDOYA TOWER
Avinor	APP	ENATTMA	ALTA TOWER
Avinor	ACC	ENBDCTA	BODO ATCC
Avinor	APP	ENBOTMA	BODO TOWER
Avinor	APP	ENBRTMA	BERGEN APPROACH
Avinor	APP	ENCNTMA	KJEVIK TOWER
Avinor	APP	ENDUTMA	BARDUFOSS TOWER
Avinor	APP	ENEVTMA	EVENES TOWER
Avinor	FIS	ENFLCTR	FLORO AFIS
Avinor	APP	ENGMCTR	GARDERMOEN TOWER
Avinor	APP	ENHETMA	HEIDRUN A
Avinor	APP	ENKR1CTA	KIRKENES TMA CENTER AND WEST
Avinor	APP	ENKRCTR	KIRKENES TMA WEST AND CENTER
Avinor	APP	ENKRTMA	KIRKENES TOWER
Avinor	FIS	ENLICTR	LISTA AFIS
Avinor	APP	ENMLTMA	MORE APPROACH
Avinor	APP	ENNATMA	BANAK TOWER
Avinor	OAC	ENOBACA	BODO OCEANIC
Avinor	APP	ENOLTMA	ORLAND TOWER
Avinor	ACC	ENOSCTA	OSLO ATCC
Avinor	APP	ENOSTMA	OSLO APPROACH
Avinor	APP	ENROTMA	ROROS TOWER
Avinor	FIS	ENSBCTR	SVALBARD/LONGYEAR AF
Avinor	FIS	ENSGCTR	SOGNDAL AFIS
Avinor	APP	ENTCTMA	TROMSO/LANGNES
Avinor	APP	ENVATMA	TRONDHEIM/VAERNES

ANSP_NAME	PRU_ATC_TYPE	AUA_CODE	AUA_NAME
Avinor	APP	ENZVTMA	WEST COAST APPROACH
PANSA	APP	EPBYCTR	
PANSA	APP	EPGDTMA	GDANSK APP
PANSA	APP	EPKKTMA	KRAKOW TMA
PANSA	APP	EPKTCTR	KATOWICE TOWER
PANSA	APP	EPLBCTR	LUBLIN TOWER
PANSA	APP	EPLBTMA	LUBLIN APP
PANSA	APP	EPLLTMA	
PANSA	APP	EPLRATZ	LUBLIN/RADAWIEC
PANSA	APP	EPPOTMA	POZNAN APP
PANSA	APP	EPRZCTR	RZESZOW TOWER
PANSA	APP	EPRZTMA	RZESZOW APP
PANSA	APP	EPSCTMA	SZCZECIN TOWER
PANSA	APP	EPSYTMA	OLSZTYN/MAZURY APP
PANSA	APP	EPWATMA	WARSZAWA APPROACH
PANSA	ACC	EPWWCTA	ACC WARSZAWA
PANSA	FIS	EPWWICTA	WARSZAWA FLT INFO
PANSA	APP	EPZGCTR	ZIELONA GORA
LFV	APP	ESDFTMA	RONNEBY APPROACH
LFV	APP	ESGGTMA	GOTEBORG TMC
LFV	APP	ESGTTMA	TROLLHATTEN TOWER
LFV	APP	ESIATMA	KARLSBORG APPROACH
LFV	APP	ESIBTMA	SATENAS APPROACH
LFV	APP	ESMKTMA	KRISTIANSTAD/EVEROD
LFV	ACC	ESMMCTA	MALMO ACC
LFV	APP	ESMTTMA	HALMSTAD TOWER
LFV	APP	ESNOTMA	ORNSKOLDSVIK TOWER
LFV	APP	ESNQCTR	KIRUNA TOWER
LFV	APP	ESNUCTR	UMEA TOWER
LFV	APP	ESNZTMA	OSTERSUND TMC
LFV	ACC	ESOSCTA	STOCKHOLM ACC
LFV	APP	ESPATMA	KALLAX TMC
LFV	APP	ESPETMA	VIDSEL APPROACH
LFV	APP	ESSACTR	STOCKHOLM/ARLANDA
LFV	APP	ESSATMA	STOCKHOLM APPROACH
LFV	APP	ESSPTMA	NORRKOPING/KUNGSANGE
LFV	APP	ESSVTMA	VISBY TOWER
LGS	APP	EVLATMA	LIEPAJA APP
LGS	ACC	EVRRCTA	RIGA ACC
Oro Navigacija	FIS	EYKACTA	KAUNAS FIC UNIT

ANSP_NAME	PRU_ATC_TYPE	AUA_CODE	AUA_NAME
Oro Navigacija	APP	EYKATMA	KAUNAS APPRAOCH
Oro Navigacija	FIS	EYPACTA	PALANGA FIC UNIT
Oro Navigacija	APP	EYPATMA	PALANGA APPROACH
Oro Navigacija	FIS	EYSACTA	SIAULIA FIC UNIT
Oro Navigacija	APP	EYSATMA	SIAULIAI APP
Oro Navigacija	ACC	EYVCCTA	VILNIUS ACC
Oro Navigacija	FIS	EYVICTA	VILNIUS FIC UNIT
Oro Navigacija	APP	EYVITMA	VILNIUS APPROACH
ENAIRE	ACC	GCCCCTA	CANARIAS ACC
ENAIRE	APP	GCTSTMA	TENERIFE SOUTH APP
ENAIRE	APP	GCXOTMA	TENERIFE NORTH TOWER
Albcontrol	ACC	LAAACTA	TIRANA ACC
Albcontrol	FIS	LAAICTA	FLIGHT INFORMATION
BULATSA	APP	LBBGTMA	BURGAS APP
BULATSA	APP	LBGOTR	GORNA DOMESTIC AD
BULATSA	APP	LBGOTMA	GORNA APP
BULATSA	APP	LBDPCTR	PLOVDIV TWR
BULATSA	APP	LBSFTMA	SOFIA APP
BULATSA	ACC	LBSRCTA	SOFIA CONTROL
BULATSA	FIS	LBSRICTA	LBSR FLIGHT INFO
BULATSA	APP	LBWNTMA	VARNA APP
DCAC Cyprus	ACC	LCCCCTA	NICOSIA ACC
DCAC Cyprus	APP	LCLKCTR	LARNACA APP
DCAC Cyprus	APP	LCPHCTR	PAPHOS APP
DCAC Cyprus	APP	LCRACTR	AKROTIRI TWR
Croatia Control	APP	LDDUTMA	DUBROVNIK TMA
Croatia Control	APP	LDOSTMA	OSIJEK APP
Croatia Control	APP	LDPLTMA	PULA APP
Croatia Control	APP	LDRITMA	RIJEKA TMA
Croatia Control	APP	LDSPPTMA	SPLIT APP
Croatia Control	APP	LDZATMA	ZAGREB APP
Croatia Control	APP	LDZDTMA	ZADAR TMA
Croatia Control	ACC	LDZOCTA	ZAGREB ACC
ENAIRE	APP	LEAMTMA	ALMERIA APPROACH
ENAIRE	APP	LEASTMA	ASTURIAS
ENAIRE	APP	LEBBTMA	BILBAO
ENAIRE	APP	LEBLTMA	BARCELONA APP
ENAIRE	ACC	LECBCTA	BARCELONA ACC
ENAIRE	APP	LECGTMA	GALICIA APP
ENAIRE	APP	LECLTMA	VALENCIA APP

ANSP_NAME	PRU_ATC_TYPE	AUA_CODE	AUA_NAME
ENAIRE	ACC	LECMCTA	MADRID ACC
ENAIRE	ACC	LECPCTA	PALMA TCC
ENAIRE	ACC	LECSCTA	SEVILLA ACC
ENAIRE	APP	LEGETMA	GERONA APPROACH
ENAIRE	APP	LEGRTMA	GRANADA
ENAIRE	APP	LEIBCTR	IBIZA
ENAIRE	APP	LELNTMA	LEON
ENAIRE	APP	LEMDTMA	MADRID APPROACH
ENAIRE	APP	LEMGTMA	MALAGA APPROACH
ENAIRE	APP	LEMHTMA	MENORCA
ENAIRE	APP	LEPATMA	PALMA APPROACH
ENAIRE	APP	LEPPTMA	PAMPLONA
ENAIRE	APP	LERSTMA	REUS APPROACH
ENAIRE	APP	LESOTMA	SAN SEBASTIAN
ENAIRE	APP	LEVTTMA	VITORIA
ENAIRE	APP	LEXJTMA	SANTANDER
DSNA	ACC	LFBBCCTA	BORDEAUX ACC
DSNA	APP	LFBDTMA	BORDEAUX APP
DSNA	APP	LFBHTMA	LA ROCHELLE APPROACH
DSNA	APP	LFBITMA	POITIER APP
DSNA	APP	LFBLTMA	LIMOGES APP
DSNA	APP	LFBOTMA	TOULOUSE APP
DSNA	APP	LFBPTMA	PAU APPROACH
DSNA	APP	LFBZTMA	BIARRITZ BAYONNE
DSNA	ACC	LFEECTA	REIMS ACC
DSNA	ACC	LFFFCTA	PARIS ACC WEST
DSNA	APP	LFJLTMA	METZ APP
DSNA	APP	LFKBTMA	BASTIA APP
DSNA	APP	LFKJTMA	AJACCIO
DSNA	APP	LFLBTMA	CHAMBERY
DSNA	APP	LFLCCTA	CLERMONT-FERRAND
DSNA	APP	LFLLTMA	LYON SAINT EXUPERY
DSNA	APP	LFMLTMA	MARSEILLE MARIGNANE
DSNA	ACC	LFMMCTA	MARSEILLE ACC
DSNA	APP	LFMNFCTA	NICE COTE D'AZUR
DSNA	APP	LFMTTMA	MONTPELLIER/FRESJORG
DSNA	APP	LFOBTMA	BEAUVAIS APP
DSNA	APP	LFOPTMA	ROUEN BOOS
DSNA	APP	LFPMTMA	SEINE APPROACH
DSNA	APP	LFQQTMA	LILLE APPROACH

ANSP_NAME	PRU_ATC_TYPE	AUA_CODE	AUA_NAME
DSNA	APP	LFRBTMA	BREST/GUIPAVAS
DSNA	APP	LFRGTMA	DEAUVILLE/ST GATIEN
DSNA	APP	LFRNTMA	RENNES ST JQUES
DSNA	ACC	LFRRCTA	BREST ACC
DSNA	APP	LFRSTMA	NANTES/CHATEAU BOUGO
DSNA	APP	LFSBTMA	BALE-MULHOUSE APP
DSNA	APP	LFSTTMA	STRASBOURG APPROACH
HCAA	APP	LGAVTMA	ATHINAI APP
HCAA	ACC	LGGGCTA	ATHINAI ACC
HCAA	APP	LGIRTMA	N. KAZANTZAKIS APP
HCAA	APP	LGKRTMA	I. KAPODISTRIAS APP
HCAA	ACC	LGMDCTA	MAKEDONIA ACC
HCAA	APP	LGTSTMA	MAKEDONIA APP
HungaroControl (EC)	APP	LHBPTMA	BUDAPEST APPROACH
HungaroControl (EC)	ACC	LHCCCTA	BUDAPEST ACC
ENAV	ACC	LIBBCTA	BRINDISI ACC
ENAV	APP	LIBDTMA	APULIA APP
ENAV	APP	LIBGCTR	GROTTAGLIE
ENAV	APP	LIBPCTR	PESCARA APPROACH
ENAV	APP	LICACTR	LAMEZIA APPROACH
ENAV	FIS	LICDCTR	LAMPEDUSA AFIS
ENAV	APP	LICGCTR	PANTELLERIA
ENAV	APP	LICJCTR	PALERMO APPROACH
ENAV	APP	LICRCTR	REGGIO CALABRIA
ENAV	APP	LIEACTR	ALGHERO APPROACH
ENAV	APP	LIEOCTR	OLBIA
ENAV	APP	LIMFCTR	TORINO
ENAV	APP	LIMJCTR	GENOVA
ENAV	ACC	LIMMCTA	MILANO ACC SPVR
ENAV	APP	LIPECTR	BOLOGNA
ENAV	ACC	LIPPCTA	PADOVA ACC
ENAV	APP	LIPQCTR	RONCHI DEI LEGIONARI
ENAV	APP	LIPXCTR	VERONA APP
ENAV	APP	LIPYCTR	ANCONA APP
ENAV	APP	LIPZCTR	VENEZIA
ENAV	APP	LIRNCTR	NAPOLI APP
ENAV	APP	LIRQCTR	PISA
ENAV	ACC	LIRRCTA	LIRRCCTA+LIRRSCTA+LIRRNCTA
ENAV	APP	LIRZCTR	PERUGIA
Slovenia Control	ACC	LJLABCTA	LJUBLJANA

ANSP_NAME	PRU_ATC_TYPE	AUA_CODE	AUA_NAME
Slovenia Control	ACC	LJLACTA	LJUBLJANA
Slovenia Control	APP	LJLJCTR	LJUBLJANA TWR
Slovenia Control	APP	LJMBATMA	MARIBOR
Slovenia Control	APP	LJMBBTMA	MARIBOR
Slovenia Control	APP	LJMBCTR	MARIBOR
Slovenia Control	APP	LJPZATMA	PORTOROZ
Slovenia Control	APP	LJPZBTMA	PORTOROZ
Slovenia Control	APP	LJPZCTMA	PORTOROZ
Slovenia Control	APP	LJPZCTR	PORTOROZ
ANS CR	ACC	LKAACTA	PRAGUE ACC
ANS CR	APP	LKAAICTA	LKAAARGA GND 095/125
ANS CR	ACC	LKAAUTA	PRAHA UAC
ANS CR	APP	LKPRTMA	APPROACH PRAHA
MATS	APP	LMMLTMA	LUQA APP
MATS	ACC	LMMMCTA	MALTA ACC
Austro Control	ACC	LOVVCTA	WIEN ACC
Austro Control	APP	LOWGATMA	APPROACH CONTROL
Austro Control	APP	LOWGBTMA	APPROACH CONTROL
Austro Control	APP	LOWIATMA	APPROACH CONTROL
Austro Control	APP	LOWIBTMA	APPROACH CONTROL
Austro Control	APP	LOWICTMA	APPROACH CONTROL
Austro Control	APP	LOWKATMA	APPROACH CONTROL
Austro Control	APP	LOWKBTMA	APPROACH CONTROL
Austro Control	APP	LOWLATMA	APPROACH CONTROL
Austro Control	APP	LOWLBTMA	APPROACH CONTROL
Austro Control	APP	LOWSATMA	APPROACH CONTROL
Austro Control	APP	LOWSBTMA	APPROACH CONTROL
Austro Control	APP	LOWWATMA	APPROACH CONTROL
Austro Control	APP	LOWWBATMA	APPROACH CONTROL
NAV Portugal (Continental)	APP	LPFRTMA	FARO APPROACH
NAV Portugal (Continental)	APP	LPMATMA	MADEIRA APPROACH
NAV Portugal (Continental)	ACC	LPPCCTA	LISBOA ACC
NAV Portugal (Continental)	APP	LPPRTMA	PORTO APPROACH
ROMATSA	APP	LRARTMA	ARAD APPROCH
ROMATSA	ACC	LRBBCTA	BUCURESTI ACC
ROMATSA	APP	LRCKTMA	CONSTANTA APPROCH
ROMATSA	APP	LRCLTMA	NAPOC APPROCH


ANSP_NAME	PRU_ATC_TYPE	AUA_CODE	AUA_NAME
ROMATSA	APP	LROPTMA	BUCHAREST APPROCH
Skyguide	ACC	LSAGCTA	GENEVA ACC LOWER
Skyguide	FIS	LSAGICTA	
Skyguide	ACC	LSAGUTA	GENEVA ACC UPPER
Skyguide	ACC	LSAZCTA	ZURICH ACC LOWER
Skyguide	APP	LSAZFTMA	ARFA SECTOR
Skyguide	ACC	LSAZUTA	ZURICH ACC UPPER
Skyguide	APP	LSGGTMA	APPROACH GENEVE
Skyguide	APP	LSGSCTR	SION
Skyguide	APP	LSGSTMA	APPROACH SION
Skyguide	APP	LSZATMA	APPROACH LUGANO
Skyguide	APP	LSZBTMA	APPROACH BERN
Skyguide	APP	LSZHTMA	APPROACH ZURICH
Skyguide	APP	LSZLTMA	APPROACH LOCARNO
DHMI	ACC	LTAAACTA	ANKARA ACC ANKARA SECTORS TEST
DHMI	ACC	LTAAICTA	ANKARA ACC ISTANBUL SECTORS TEST
DHMI	ACC	LTAAZCTA	ANKARA ACC IZMIR SECTORS TEST
DHMI	APP	LTACTMA	ANKARA ESENBGA
DHMI	APP	LTAITMA	ANTALYA
DHMI	APP	LTAJTMA	GAZIANTEP
DHMI	APP	LTALTMA	KASTAMONU APP
DHMI	APP	LTAYTMA	CARDAK/MIL*
DHMI	APP	LTAZTMA	TUZKOY
DHMI	APP	LBTJTMA	IZMIR ADNAN MENDERES
DHMI	APP	LTBOTMA	USAK
DHMI	APP	LTBSTMA	MUGLA DALAMAN
DHMI	APP	LTBZTMA	ZAFER
DHMI	APP	LTCATMA	ELAZIG
DHMI	APP	LTCETMA	ERZURUM
DHMI	APP	LTCFTMA	KARS APP
DHMI	APP	LTCGTMA	TRABZON
DHMI	APP	LTCITMA	VAN
DHMI	APP	LTCKTMA	MUS*
DHMI	APP	LTCMTMA	SINOP
DHMI	APP	LTCNTMA	KAHRAMANMARAS APP
DHMI	APP	LTCSTMA	GAP
DHMI	APP	LTCTTMA	IGDIR/MIL*
DHMI	APP	LTCUTMA	BINGOL APPROACH
DHMI	APP	LTCVTMA	SIRNAK APPROACH
DHMI	APP	LTFETMA	MILAS

ANSP_NAME	PRU_ATC_TYPE	AUA_CODE	AUA_NAME
DHMI	APP	LTFGTMA	ANTALYA
DHMI	APP	LTFHTMA	SAMSUN/CARSAMBA
DHMI	APP	LTFMTMA	YESILKOY APP/ISTANBU
MoldATSA	APP	LUKKCTR	CHISINAU TWR
MoldATSA	APP	LUKKTMA	CHISINAU APPROACH
MoldATSA	ACC	LUUUCTA	CHISINAU ACC LUUU
M-NAV	APP	LWSKTMA	SKOPJE
M-NAV	ACC	LWSSCTA	SKOPJE ACC
SMATSA	ACC	LYBACTA	BEOGRAD ACC
SMATSA	APP	LYBETMA	APPROACH CONTROL
SMATSA	APP	LYBTTMA	BATAJNICA APP
SMATSA	APP	LYKVTMA	KRALJEVO TMA
SMATSA	APP	LYNITMA	NIS TMA
SMATSA	APP	LYPGTMA	PODGORCIA TMA
PIA	APP	LYPRTMA	PRISTINA APP
SMATSA	APP	LYTVTMA	TIVAT
SMATSA	APP	LYUZTMA	UZICE
SMATSA	APP	LYVRTMA	VRSAK TMA
LPS	ACC	LZBBCTA	BRATISLAVA ACC
LPS	APP	LZIBTMA	APPROACH CONTROL
LPS	APP	LZKZTMA	KOSICE APP
LPS	APP	LZPPTMA	PIESTANY APP
LPS	APP	LZPWCTR	PRESOV TOWER
LPS	APP	LZSLTMA	SLIAC APP
LPS	APP	LZTTTMA	TATRY APP
LPS	APP	LZZITMA	ZILINA APP
ARMATS	ACC	UDDDTA	EREVAN ACC
ARMATS	APP	UDSGTMA	GYUMRI APP
ARMATS	APP	UDYZTMA	YEREVAN APP
Sakaeronavigatsia	ACC	UGGGCTA	TBILISI ACC
Sakaeronavigatsia	APP	UGKOTMA	KUTAISSI APP
Sakaeronavigatsia	APP	UGSBTMA	BATUMI APP
Sakaeronavigatsia	APP	UGTBTMA	TBILISI APP
UkSATSE	ACC	UKBVCTA	KIEV ACC
UkSATSE	APP	UKBVTMA	KYIV APP
UkSATSE	APP	UKDDTMA	DNIPROPETROVS'K APP
UkSATSE	APP	UKDETMA	ZAPORIZHZHIA APP
UkSATSE	ACC	UKDV2CTA	DNIPROPETROVSK2 ACC
UkSATSE	ACC	UKDV3CTA	DNIPROPETROVSK3 ACC
UkSATSE	ACC	UKDVCTA	DNIPROPETROVSK ACC

ANSP_NAME	PRU_ATC_TYPE	AUA_CODE	AUA_NAME
UkSATSE	APP	UKHHTMA	KHARKOV APP
UkSATSE	APP	UKLITMA	UKLI APP
UkSATSE	APP	UKLNTMA	UKLN APP
UkSATSE	APP	UKLUTMA	UKLU APP
UkSATSE	ACC	UKLVCTA	UKLV ACC
UkSATSE	APP	UKLVTMA	UKLV APP
UkSATSE	ACC	UKOV2CTA	ODESA2 ACC
UkSATSE	ACC	UKOVCTA	ODESA ACC
UkSATSE	APP	UKOVTMA	ODESA APP

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