



# LIZ Bulletin

DFS Situation and Information Centre

**Week 46**

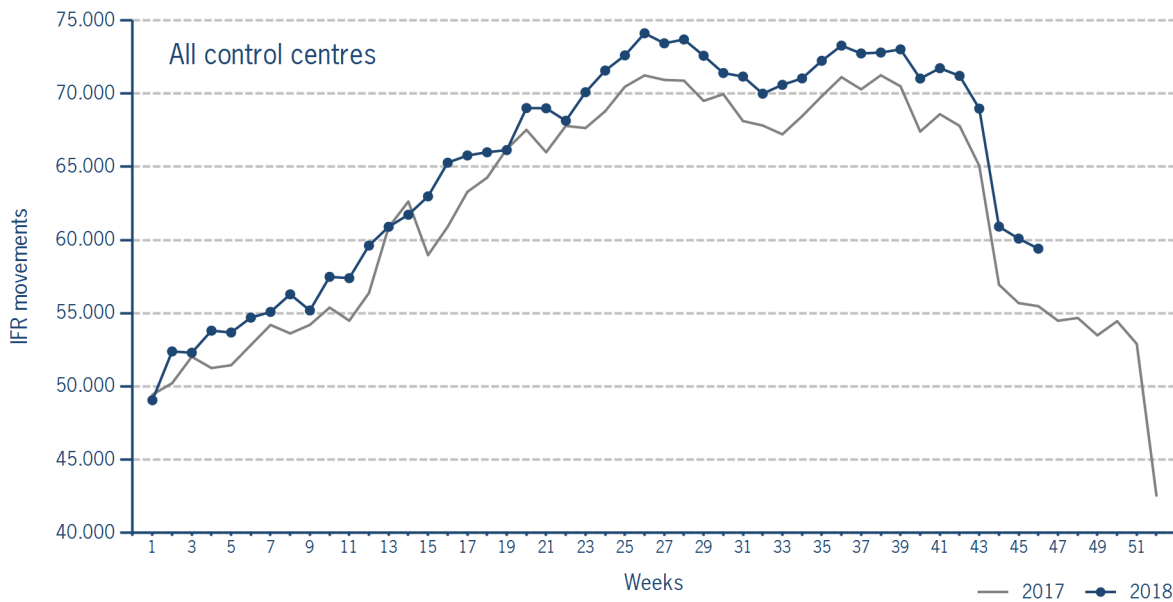
12 NOV 2018 - 18 NOV 2018

Version 20.11.2018

## IFR flights in the Federal Republic of Germany

IFR movements (entries, exits, overflights and domestics) in all control sectors with a German designator.

	2018	2017	Trend
<b>Week 46</b>	59.411	55.481	7,1%
<b>Cumulated Weeks</b>	3.002.007	2.895.173	3,7%

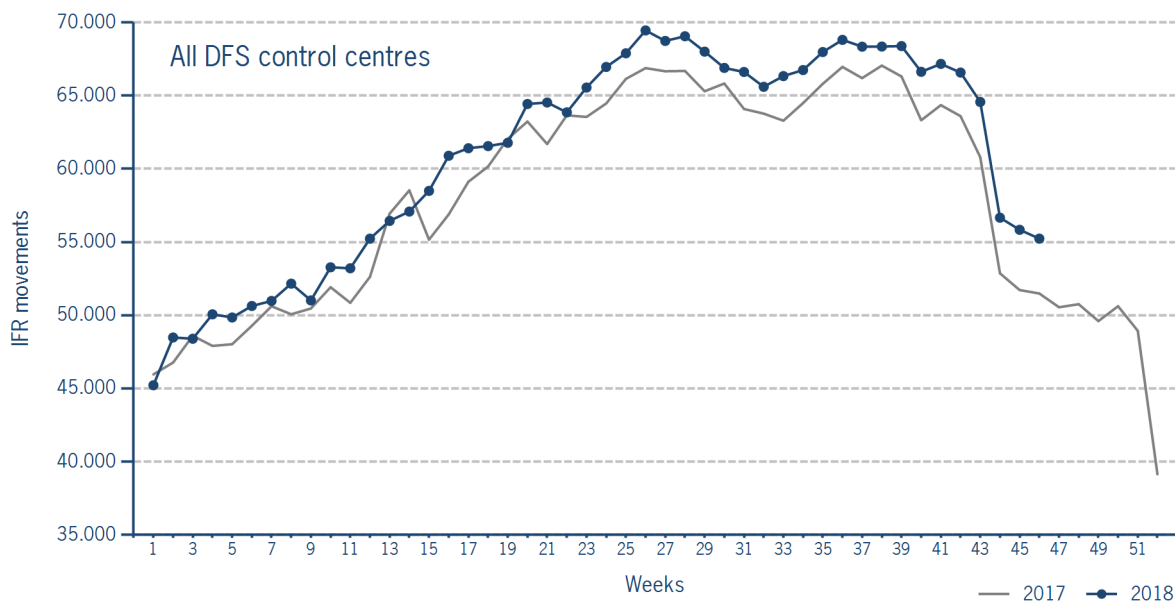


Please note: This count covers the traffic in the area build by all control sectors with a German designator („ED“), regardless of the service provider, including civil and military traffic in sectors controlled by DFS and Maastricht UAC (Maastricht-Hannover sectors). The area counted is composed of modular control sectors designed for ATC purposes with partly cross border structures and is therefore not identical to the political border of the Federal Republic of Germany or the national Flight Information Region (FIR).

## IFR flights controlled by DFS

IFR movements (entries, exits, overflights and domestics) in control sectors controlled by DFS.

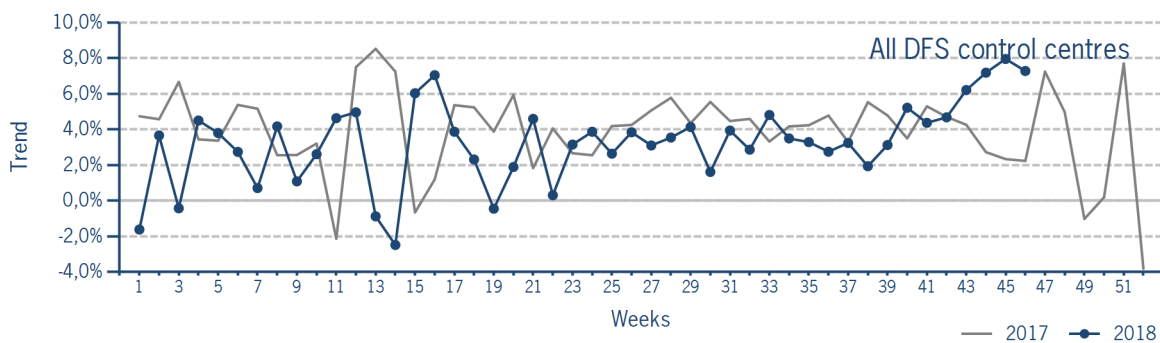
	2018	2017	Trend
<b>Week 46</b>	55.235	51.484	7,3%
<b>Cumulated Weeks</b>	2.801.554	2.712.220	3,3%



Please note: This count covers the traffic in the area build by control sectors of DFS control centres, including civil and military traffic. Traffic in Maastricht UAC (Maastricht-Hannover sectors) is not counted.

## IFR flights controlled by DFS - trend

Trend in the number of IFR movements (entries, exits, overflights and domestics) in control sectors controlled by DFS.

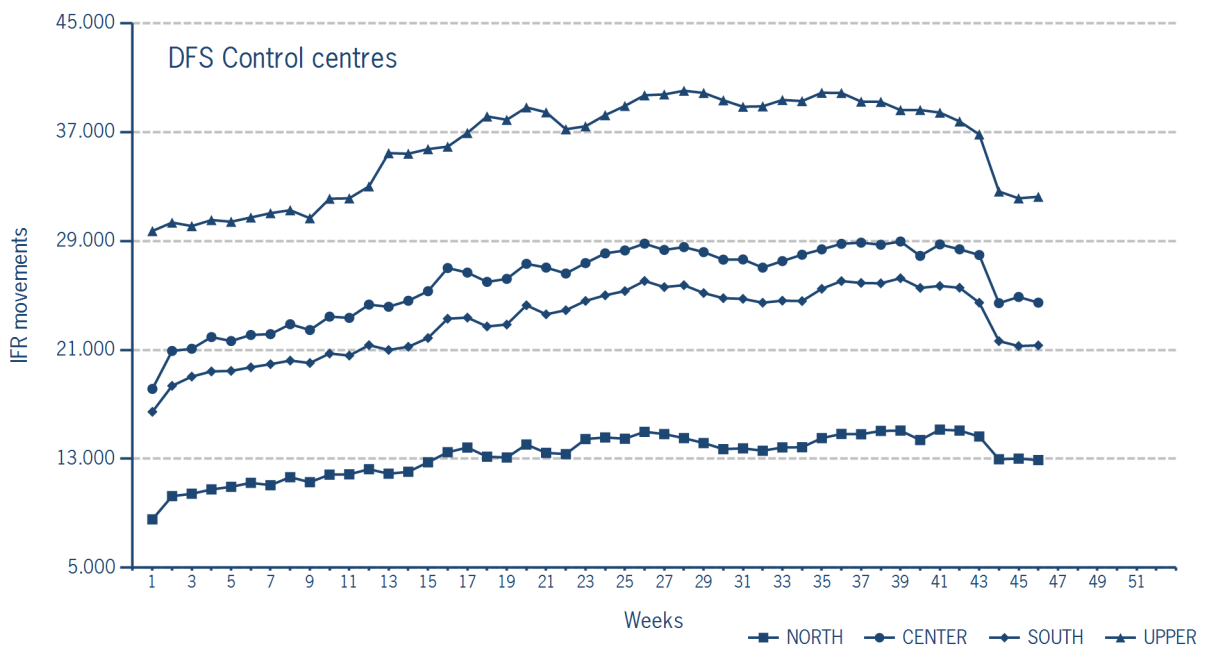


### IFR flights controlled by DFS - in detail

IFR movements (entries, exits, overflights and domestics) controlled by DFS at the different control centres.

	NORTH	CENTER	SOUTH	UPPER
<b>Week 46</b>	12.903	24.472	21.333	32.249
<b>Trend</b>	17,5%	7,8%	7,9%	3,8%
<b>Cumulated Weeks</b>	606.357	1.191.504	1.059.420	1.657.310
<b>Trend</b>	1,2%	4,3%	5,0%	-0,3%

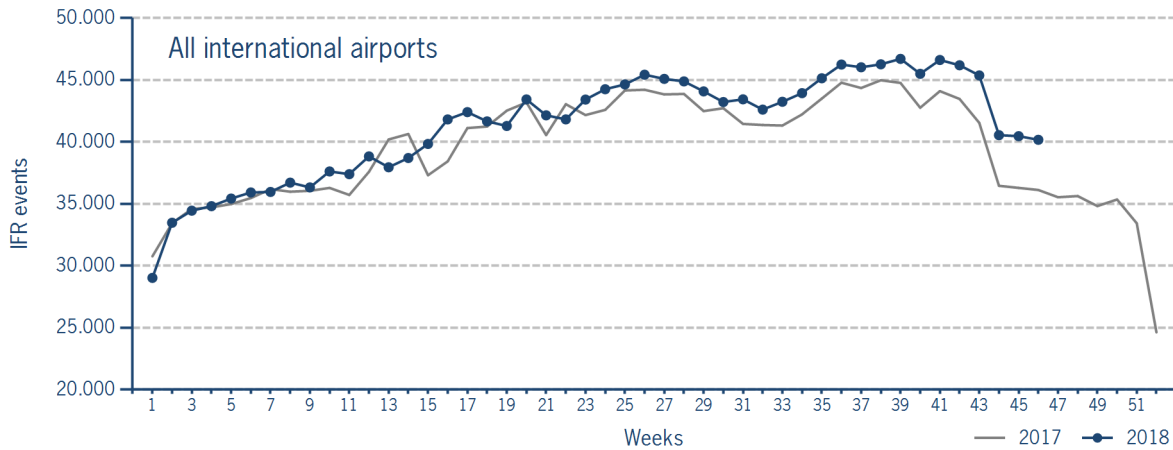
Please note: The trend numbers compare counts of the airspaces in their current configuration to the count of the same airspace in 2017.



### IFR flights at international German airports

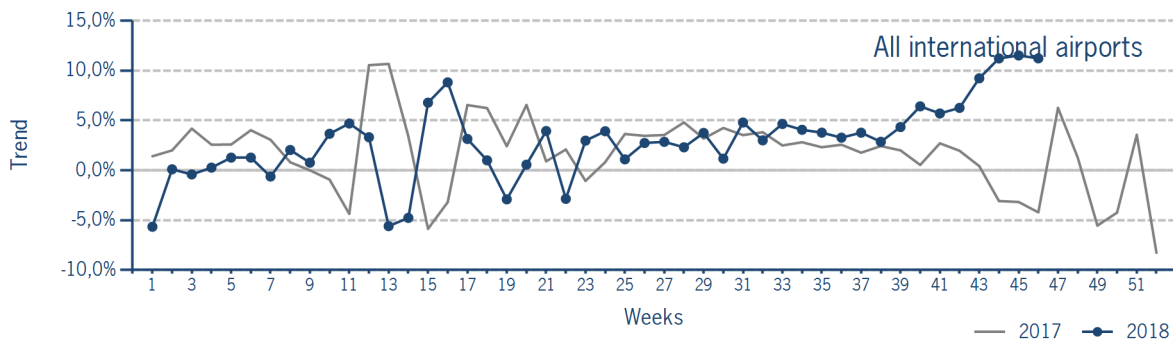
IFR events (take-offs and landings) at the international DFS towers in the Federal Republic of Germany.

	2018	2017	Trend
<b>Week 46</b>	40.170	36.118	11,2%
<b>Cumulated Weeks</b>	1.900.408	1.845.420	3,0%



### IFR flights at international German airports - trend

Trend in the number of IFR events (take-offs and landings) at the international DFS towers in the Federal Republic of Germany.



### IFR flights at international German airports - airport category

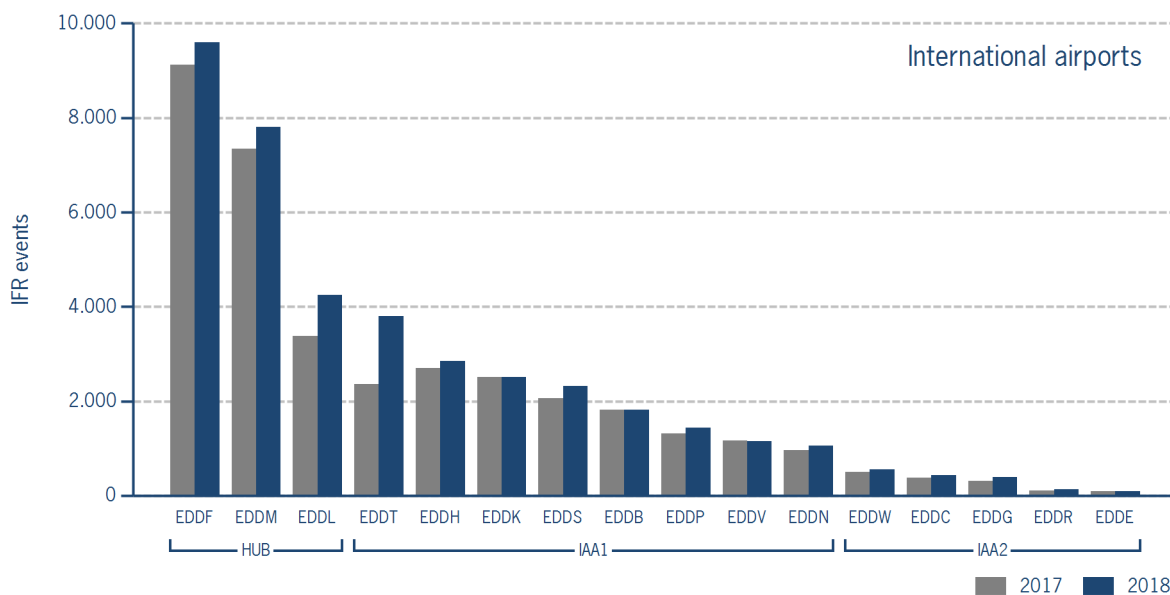
IFR events (take-offs and landings) at the international DFS towers in the Federal Republic of Germany differentiated by Hub Gateways (HUB), International Access Airports 1 (IAA1) and International Access Airports 2 (IAA2).

	HUB	IAA1	IAA2
<b>Week 46</b>	21.645	16.929	1.596
<b>Trend</b>	9,0%	13,8%	15,4%
<b>Cumulated Weeks</b>	1.016.479	804.913	79.016
<b>Trend</b>	2,9%	3,0%	3,3%

IFR flights at international German airports - in detail

IFR events (take-offs and landings) at the different international DFS towers in the Federal Republic of Germany.

		Week 46	Trend	Week 1 - 46	Trend
<b>HUB</b>					
EDDF	Frankfurt/Main	9.600	5,2%	457.079	7,5%
EDDL	Düsseldorf	4.246	25,5%	194.053	-3,8%
EDDM	München	7.799	6,1%	365.347	1,4%
<b>IAA1</b>					
EDDB	Berlin-Schönefeld	1.813	-0,5%	90.226	1,1%
EDDH	Hamburg	2.853	5,9%	132.530	-4,4%
EDDK	Köln/Bonn	2.505	-0,2%	128.046	2,1%
EDDN	Nürnberg	1.051	9,6%	48.762	1,6%
EDDP	Leipzig/Halle	1.432	9,5%	66.271	13,9%
EDDS	Stuttgart	2.317	12,4%	115.168	8,3%
EDDT	Berlin-Tegel	3.803	61,6%	164.338	3,2%
EDDV	Hannover	1.155	-1,2%	59.572	5,5%
<b>IAA2</b>					
EDDC	Dresden	428	11,7%	19.950	3,1%
EDDE	Erfurt/Weimar	88	-1,1%	5.042	0,4%
EDDG	Münster/Osnabrück	392	28,5%	17.539	5,8%
EDDR	Saarbrücken	136	33,3%	8.311	1,8%
EDDW	Bremen	552	9,5%	28.174	2,8%



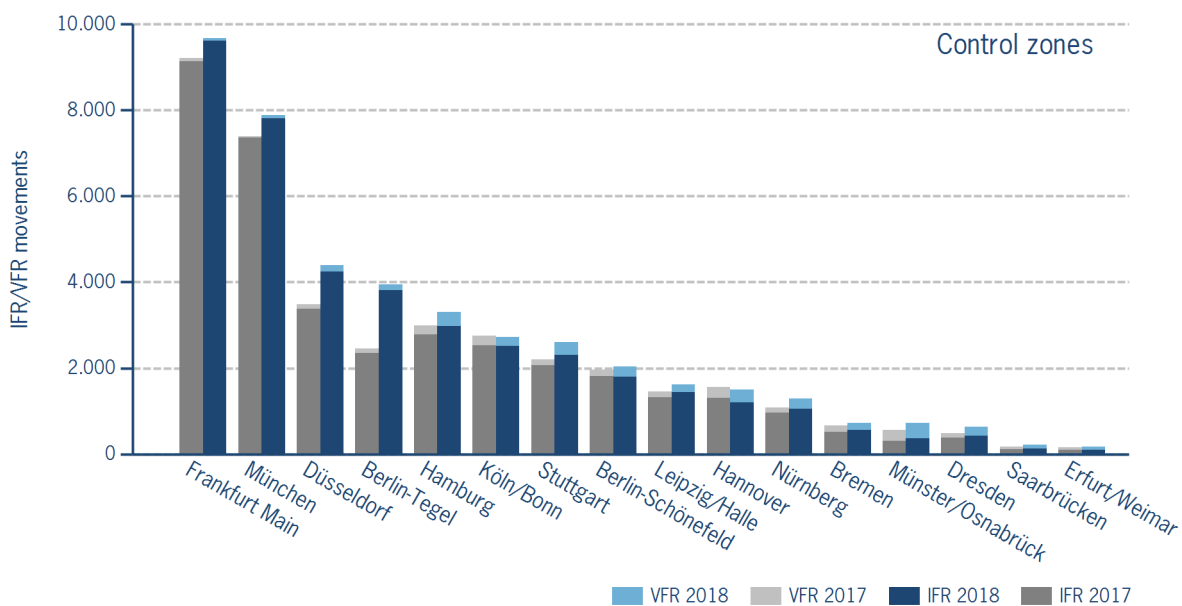
IFR/VFR flights in control zones of DFS towers

IFR/VFR movements (entries, exits, overflights and domestics) at the different control zones of international DFS towers.

	Week 46	Trend	Week 1 - 46	Trend
Berlin-Schönefeld	2.038	3,8%	105.029	3,0%
Berlin-Tegel	3.941	60,7%	173.136	3,6%
Bremen	731	9,4%	41.060	3,7%
Dresden	638	29,7%	34.160	6,0%
Düsseldorf	4.391	25,8%	200.978	-3,7%
Erfurt/Weimar	174	5,5%	11.842	-2,3%
Frankfurt Main	9.683	5,1%	461.918	7,5%
Hamburg	3.305	10,2%	159.778	-2,3%
Hannover	1.497	-3,9%	80.443	8,0%
Köln/Bonn	2.726	-0,9%	143.300	1,6%
Leipzig/Halle	1.619	11,0%	79.488	11,5%
München	7.883	6,6%	370.774	1,5%
Münster/Osnabrück	727	28,9%	35.744	7,7%
Nürnberg	1.297	19,9%	62.409	3,2%
Saarbrücken	215	22,9%	13.530	-0,5%
Stuttgart	2.600	18,5%	131.409	7,3%

Additional information:

Münster reported no glider movements for the current week, i.e. 2.434 glider movements for the cumulated year.



### IFR flights at regional German airports - in detail

IFR events (take-offs and landings) at the different regional towers in the Federal Republic of Germany with control zone and barely any PPR.

	2018	2017	Trend
<b>Week 46</b>	3.042	2.858	6,4%
<b>Cumulated Weeks</b>	151.542	145.919	3,9%

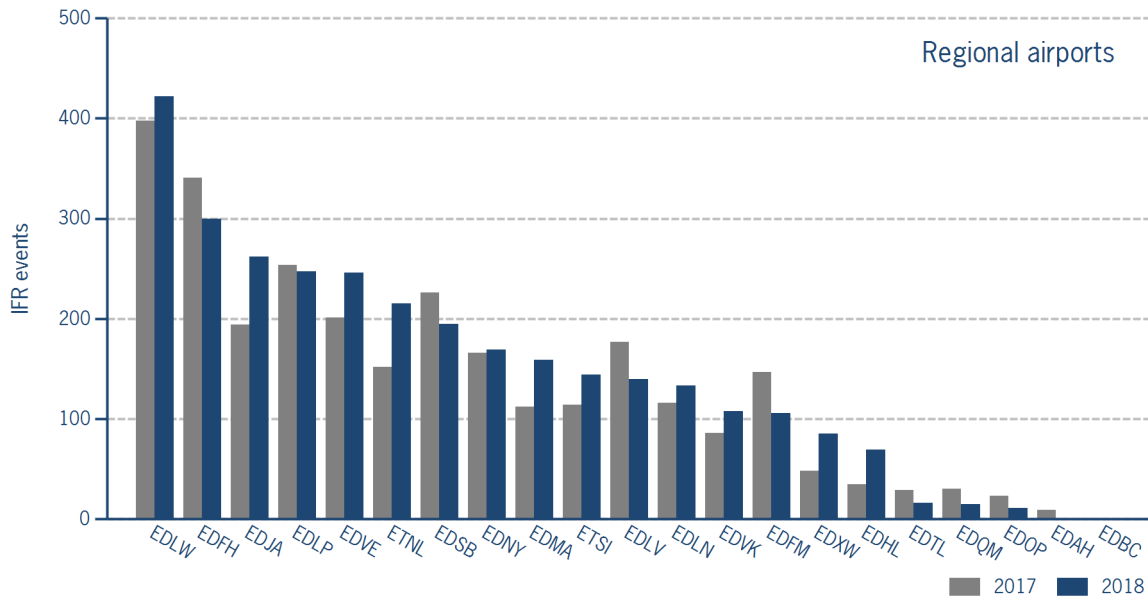
	Week 46	Trend	Week 1 - 46	Trend
EDAH Heringsdorf	0	-100,0%	809	-1,0%
EDBC Magdeburg/Cochstedt	0	N/A	1	-80,0%
EDFH Frankfurt-Hahn	300	-12,0%	17.744	-4,8%
EDFM Mannheim City	106	-27,9%	6.055	5,1%
EDHL Lübeck-Blankensee	69	97,1%	2.446	36,6%
EDJA Memmingen	262	35,1%	12.279	18,5%
EDLN Mönchengladbach	133	14,7%	5.931	10,2%
EDLP Paderborn/Lippstadt	247	-2,8%	12.745	8,6%
EDLV Niederrhein	140	-20,9%	11.173	-7,2%
EDLW Dortmund	422	6,0%	19.935	10,2%
EDMA Augsburg	159	42,0%	6.293	-1,7%
EDNY Friedrichshafen	169	1,8%	9.318	2,6%
EDOP Schwerin-Parchim	11	-52,2%	497	-50,5%
EDQM Hof-Plauen	15	-50,0%	1.280	-6,2%
EDSB Karlsruhe/Baden-Baden	195	-13,7%	11.266	-4,7%
EDTL Lahr	16	-44,8%	1.312	-5,1%
EDVE Braunschweig-Wolfsburg	246	22,4%	8.743	0,1%
EDVK Kassel-Calden	108	25,6%	4.265	8,6%
EDXW Sylt	85	77,1%	5.708	6,3%
ETNL Laage	215	41,4%	8.862	23,0%
ETSI Ingolstadt/Manching	144	26,3%	4.880	-2,7%

\*The value is of limited conclusiveness (OLC).

Please note: The airport Magdeburg-Cochstedt (EDBC) is currently closed.

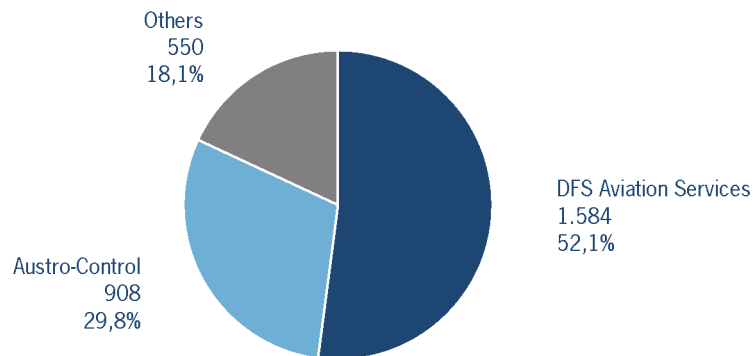
### IFR flights at regional German airports - in detail

IFR events (take-offs and landings) at the different regional towers in the Federal Republic of Germany with control zone and barely any PPR.



### IFR flights at regional German airports - air traffic service providers

Percentage of IFR events (take-offs and landings) at the regional towers in the Federal Republic of Germany differentiated between DFS Aviation Services, Austro Control and other providers.



- DFS Aviation Services: Dortmund (EDLW), Friedrichshafen (EDNY), Karlsruhe/Baden-Baden (EDSB), Lahr (EDTL), Magdeburg/Cochstedt (EDBC), Memmingen (EDJA), Mönchengladbach (EDLN), Niederrhein (EDLV), Paderborn/Lippstadt (EDLP)
- Austro Control: Augsburg (EDMA), Braunschweig-Wolfsburg (EDVE), Frankfurt-Hahn (EDFH), Heringsdorf (EDAH), Hof-Plauen (EDQM), Kassel-Calden (EDVK), Lübeck-Blankensee (EDHL), Schwerin-Parchim (EDOP)
- Others: Ingolstadt/Manching (ETSI), Laage (ETNL), Mannheim City (EDFM), Sylt (EDXW)



## ATFM Arrival Delay

(Data Source: NM statistics, DFS LIZ)

ATFM Arrival Delay with reference to the relevant airport, in minutes per IFR arrival.

*ATFM Arrival Delay:*  
*sum of all arrival ATFM delay divided by the sum of all inbound flights for the particular traffic volume*

Airports		ATC Delay [min/arrival]	non ATC Delay [min/arrival]	
	All Airports	0,0141	0,3285	
EDDW	Bremen	1,0404	0	
EDDF	Frankfurt/Main	0	0,9143	
EDDM	München	0	0,4851	
EDDL	Düsseldorf	0	0,1531	

Please note: The ATFM delay data are provided by NM statistics. Due to internal distribution of the ATFM delay, data are modified by CC/FC and TWR/M. The inbound flight information is based on LIZ statistics.

All Airports means all international German airports: Berlin-Schönefeld (EDDB), Berlin-Tegel (EDDT), Bremen (EDDW), Dresden (EDDC), Düsseldorf (EDDL), Erfurt/Weimar (EDDE), Frankfurt/Main (EDDF), Hamburg (EDDH), Hannover (EDDV), Köln/Bonn (EDDK), Leipzig/Halle (EDDP), München (EDDM), Münster/Osnabrück (EDDG), Nürnberg (EDDN), Saarbrücken (EDDR), Stuttgart (EDDS)