



# LIZ Air traffic statistics

DFS Situation and Information Centre

APR 2018

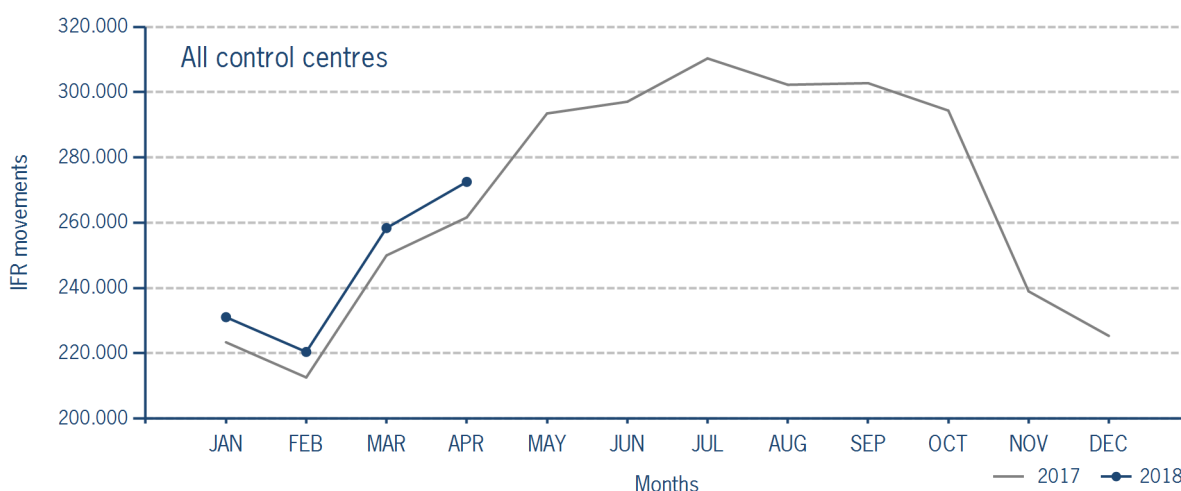
Version 03.05.2018

## IFR flights in the Federal Republic of Germany

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

	APR 2018	APR 2017	Trend
Civil flights	269.200	258.362	4,2%
Military flights	3.319	3.258	1,9%
<b>Total</b>	<b>272.519</b>	<b>261.620</b>	<b>4,2%</b>

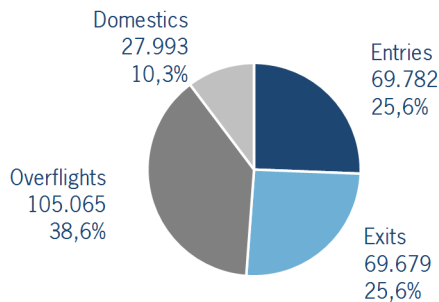
	JAN - APR 2018	JAN - APR 2017	Trend
Civil flights	968.660	933.820	3,7%
Military flights	13.677	13.705	-0,2%
<b>Total</b>	<b>982.337</b>	<b>947.525</b>	<b>3,7%</b>



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 in the Federal Republic of Germany - percentage

IFR movements (entries, exits, overflights and domestics) in all control centres.

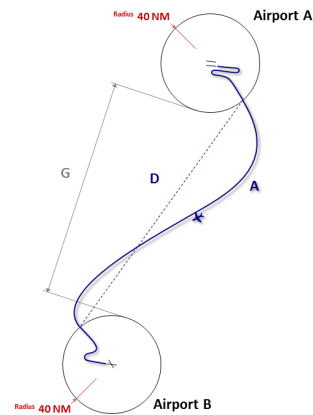


Please note: This count covers the traffic in the area build by all control sectors with a German designator („ED“), regardless of the service provider, including civil and military traffic in sectors controlled by DFS and Maastricht UAC (Maastricht-Hannover sectors). The area counted is composed of 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).

## Flight efficiency in the Federal Republic of Germany

Direct route extension is defined as the difference between the length of the actual route (A) and the direct course (D) between the departure and arrival terminal areas (radius of 40 NM around the airport) or the national border where a flight enters or leaves German airspace. The direct route extension expressed as a percentage is defined as the ratio between the direct route extension and the direct course (D).

APR 2018	
Evaluated traffic	243.300
Average actual route / flight	330,1 km
Average direct course / flight	326,2 km
Average direct route extension / flight	3,8 km
Average direct route extension / flight	1,2%



Additional information:

The evaluated traffic includes only civil flights. This value is different from the number of IFR flights in the Federal Republic of Germany because certain flights are not included in the statistics. For example, tracks which have an intercept point with the departure or the arrival terminal area (40 NM) outside of the DFS controlled airspace are not included.

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Avg. direct route ext. in km	3,6	3,7	3,9	3,8								
Avg. direct route ext.	1,1%	1,1%	1,2%	1,2%								

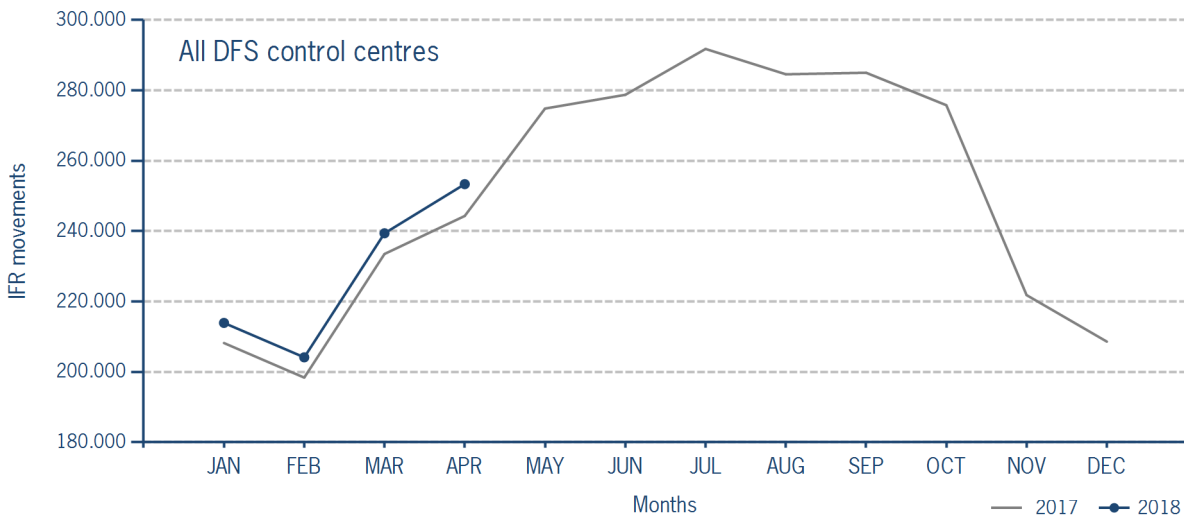
## IFR flights controlled by DFS

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

	APR 2018	APR 2017	Trend
<b>Civil flights</b>	250.067	241.134	3,7%
<b>Military flights</b>	3.311	3.202	3,4%
<b>Total</b>	253.378	244.336	3,7%

	JAN - APR 2018	JAN - APR 2017	Trend
<b>Civil flights</b>	897.259	870.829	3,0%
<b>Military flights</b>	13.629	13.671	-0,3%
<b>Total</b>	910.888	884.500	3,0%

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.



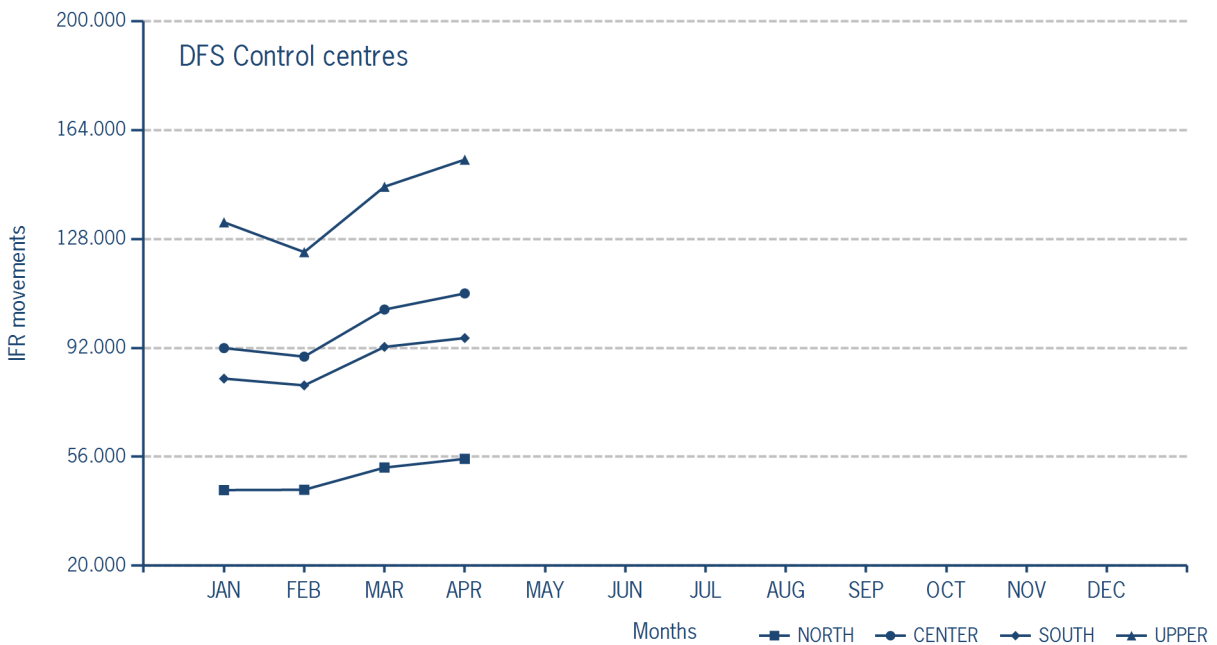
### IFR flights controlled by DFS - in detail

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

	APR 2018	APR 2017	Trend
NORTH	55.333	53.785	2,9%
CENTER	110.005	103.639	6,1%
SOUTH	95.261	90.669	5,1%
UPPER	154.224	151.275	1,9%

	JAN - APR 2018	JAN - APR 2017	Trend
NORTH	197.900	201.165	-1,6%
CENTER	395.744	378.539	4,5%
SOUTH	349.063	336.387	3,8%
UPPER	556.704	540.092	3,1%

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 and regional German airports

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

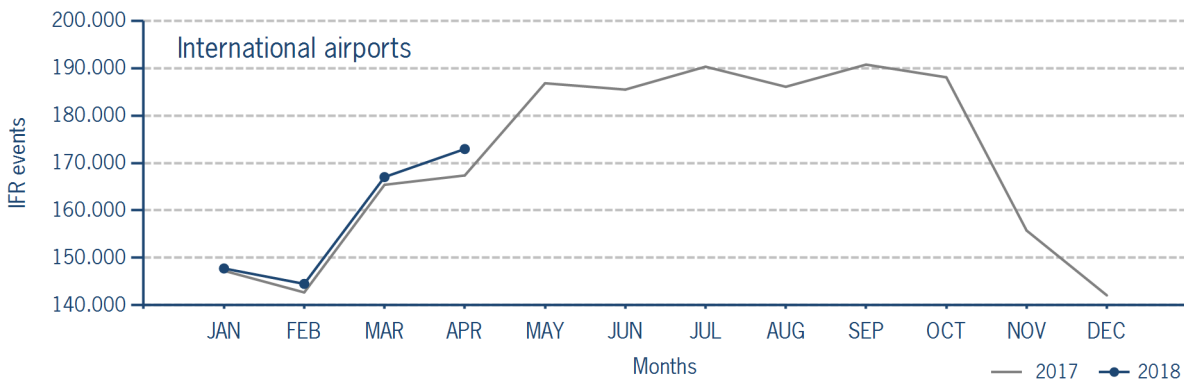
	APR 2018	APR 2017	Trend
<b>International Airports</b>	172.951	167.375	3,3%
<b>Regional Airports</b>	15.145	13.728	10,3%
<b>Total</b>	188.096	181.103	3,9%

	JAN - APR 2018	JAN - APR 2017	Trend
<b>International Airports</b>	632.265	622.768	1,5%
<b>Regional Airports</b>	50.021	47.284	5,8%
<b>Total</b>	682.286	670.052	1,8%

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

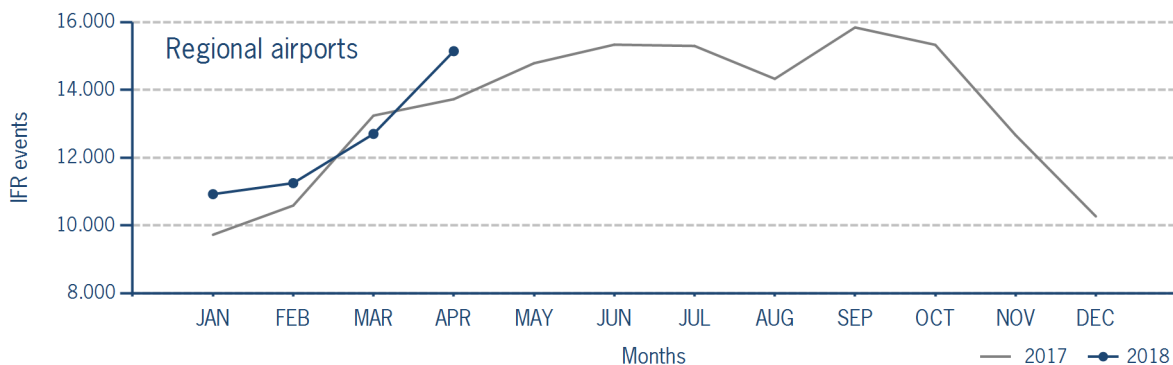
### IFR flights at international German airports

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



### IFR flights at regional German airports

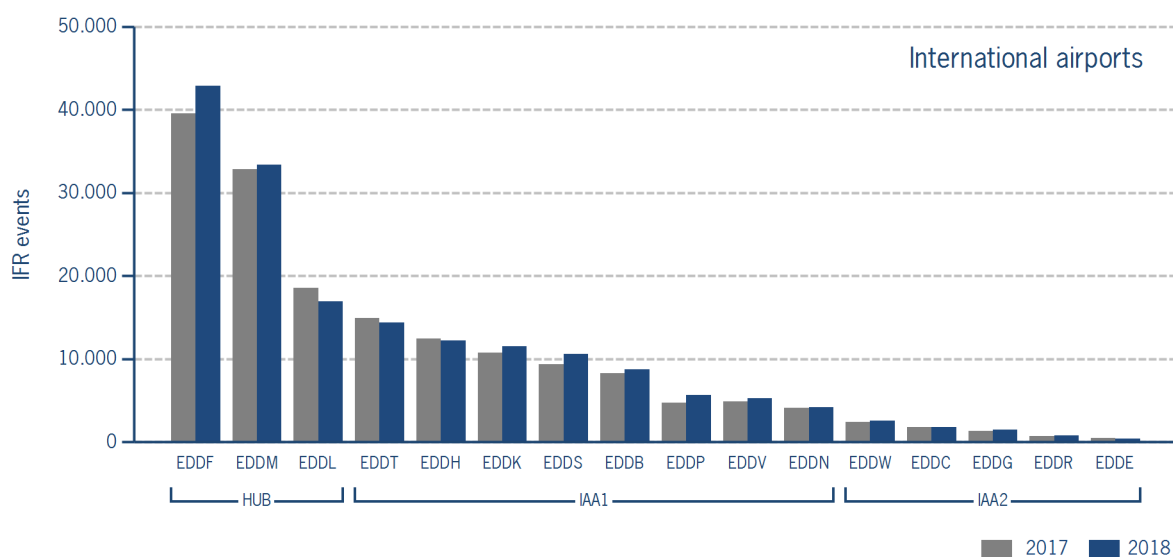
IFR events (take-offs and landings) at the different regional towers in the Federal Republic of Germany with control zone and barely any PPR.



**IFR flights at international German airports - in detail**

IFR events (take-offs and landings) at the different 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).

		APR 2018	Trend	JAN - APR 2018	Trend
<b>HUB</b>					
EDDF	Frankfurt/Main	42.874	8,4%	156.074	8,3%
EDDL	Düsseldorf	16.912	-9,0%	63.021	-7,9%
EDDM	München	33.398	1,7%	125.869	0,5%
<b>IAA1</b>					
EDDB	Berlin-Schönefeld	8.772	6,1%	31.529	-0,1%
EDDH	Hamburg	12.244	-1,9%	44.709	-4,9%
EDDK	Köln/Bonn	11.493	6,7%	41.416	2,2%
EDDN	Nürnberg	4.226	2,7%	15.493	1,5%
EDDP	Leipzig/Halle	5.699	20,9%	22.287	15,6%
EDDS	Stuttgart	10.586	13,2%	37.133	10,0%
EDDT	Berlin-Tegel	14.399	-3,6%	51.819	-5,8%
EDDV	Hannover	5.279	7,2%	18.355	4,1%
<b>IAA2</b>					
EDDC	Dresden	1.796	0,2%	6.382	-8,3%
EDDE	Erfurt/Weimar	417	-17,4%	1.306	-12,0%
EDDG	Münster/Osnabrück	1.518	11,5%	5.283	6,3%
EDDR	Saarbrücken	759	3,0%	2.592	0,0%
EDDW	Bremen	2.579	5,7%	8.997	0,7%



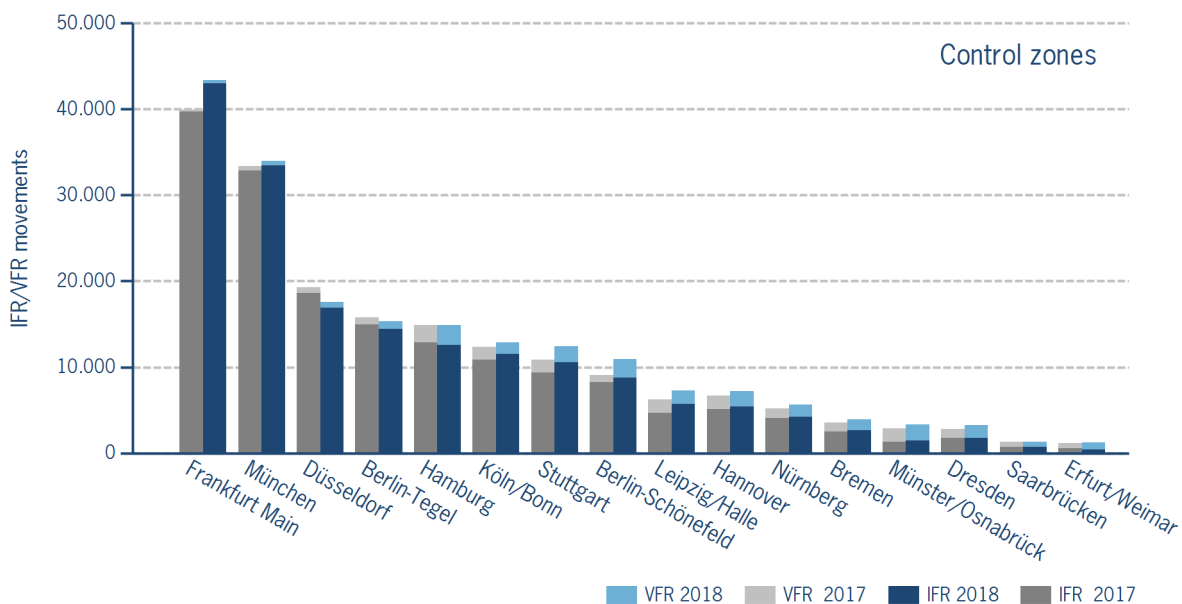
IFR/VFR flights in control zones of DFS towers

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

	APR 2018	Trend	JAN - APR 2018	Trend
Berlin-Schönefeld	10.932	20,1%	35.615	1,5%
Berlin-Tegel	15.298	-3,1%	54.594	-5,3%
Bremen	3.889	10,0%	12.919	1,2%
Dresden	3.275	15,4%	9.929	-1,3%
Düsseldorf	17.542	-9,0%	65.254	-7,9%
Erfurt/Weimar	1.228	6,8%	3.323	-0,5%
Frankfurt Main	43.353	8,5%	157.517	8,3%
Hamburg	14.881	-0,1%	51.941	-4,3%
Hannover	7.233	8,3%	24.589	4,8%
Köln/Bonn	12.895	4,2%	46.130	1,2%
Leipzig/Halle	7.302	17,7%	26.773	13,2%
München	34.011	1,9%	127.678	0,6%
Münster/Osnabrück	3.315	15,0%	10.940	10,7%
Nürnberg	5.649	9,4%	19.584	3,0%
Saarbrücken	1.305	-0,1%	4.128	-5,1%
Stuttgart	12.451	14,6%	42.027	8,2%

Additional information:

Münster reported 168 glider movements for the current month, i.e. 168 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.

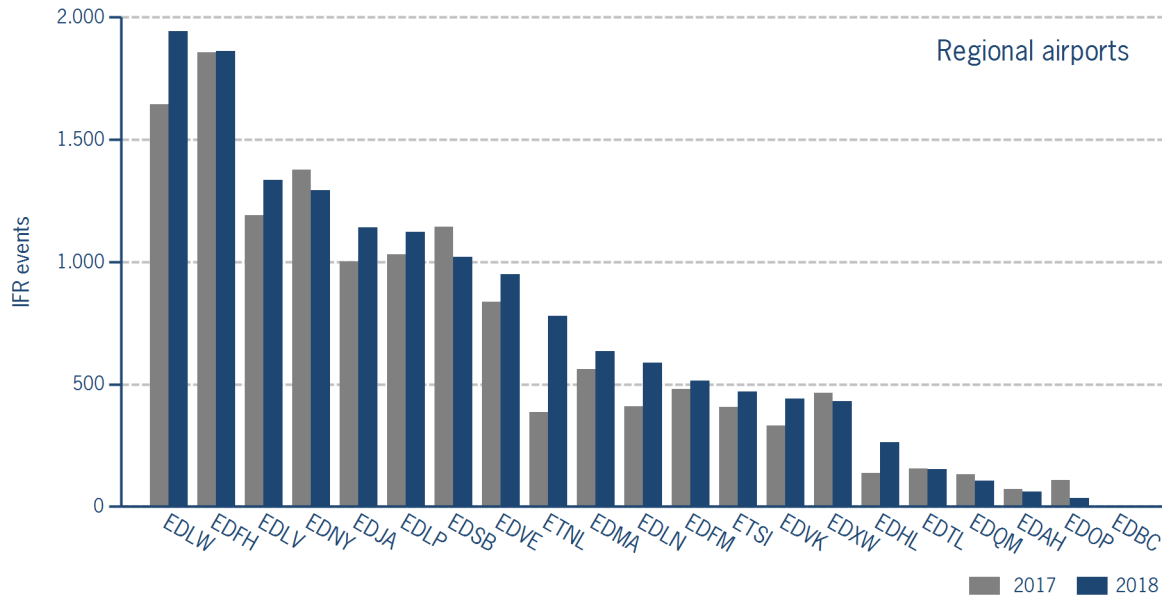
		APR 2018	Trend	JAN - APR 2018	Trend
EDAH	Heringsdorf	61	-15,3%	144	-10,6%
EDBC	Magdeburg/Cochstedt	0	N/A	1	-50,0%
EDFH	Frankfurt-Hahn	1.862	0,3%	6.389	3,1%
EDFM	Mannheim City	515	7,3%	2.045	-0,1%
EDHL	Lübeck-Blankensee	264	92,7%	616	14,7%
EDJA	Memmingen	1.142	14,0%	3.999	17,2%
EDLN	Mönchengladbach	587	43,2%	2.107	24,3%
EDLP	Paderborn/Lippstadt	1.124	9,1%	3.683	7,7%
EDLV	Niederrhein	1.335	12,0%	3.620	13,1%
EDLW	Dortmund	1.942	18,1%	6.818	12,8%
EDMA	Augsburg	635	12,8%	2.177	3,3%
EDNY	Friedrichshafen	1.294	-6,0%	3.453	-6,0%
EDOP	Schwerin-Parchim	36	-67,0%	211	-27,0%
EDQM	Hof-Plauen	106	-19,7%	392	-17,1%
EDSB	Karlsruhe/Baden-Baden	1.020	-10,8%	3.519	-11,6%
EDTL	Lahr	152	-1,9%	486	5,2%
EDVE	Braunschweig-Wolfsburg	949	13,5%	3.205	-3,6%
EDVK	Kassel-Calden	441	33,2%	1.420	19,4%
EDXW	Sylt	430	-7,5%	1.202	0,0%
ETNL	Laage	779	101,8%	2.736	30,2%
ETSI	Ingolstadt/Manching	471	15,4%	1.798	1,9%

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



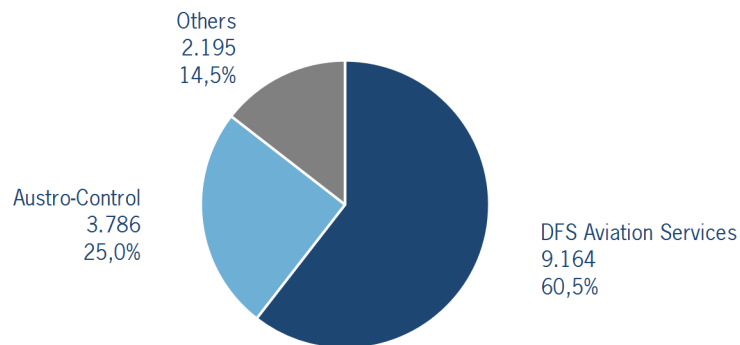
### IFR flights at regional German airports - in detail

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), Frankfurt-Hahn (EDFH), 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), Friedrichshafen (EDNY), 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)