



# LIZ Air traffic statistics

DFS Situation and Information Centre

FEB 2018

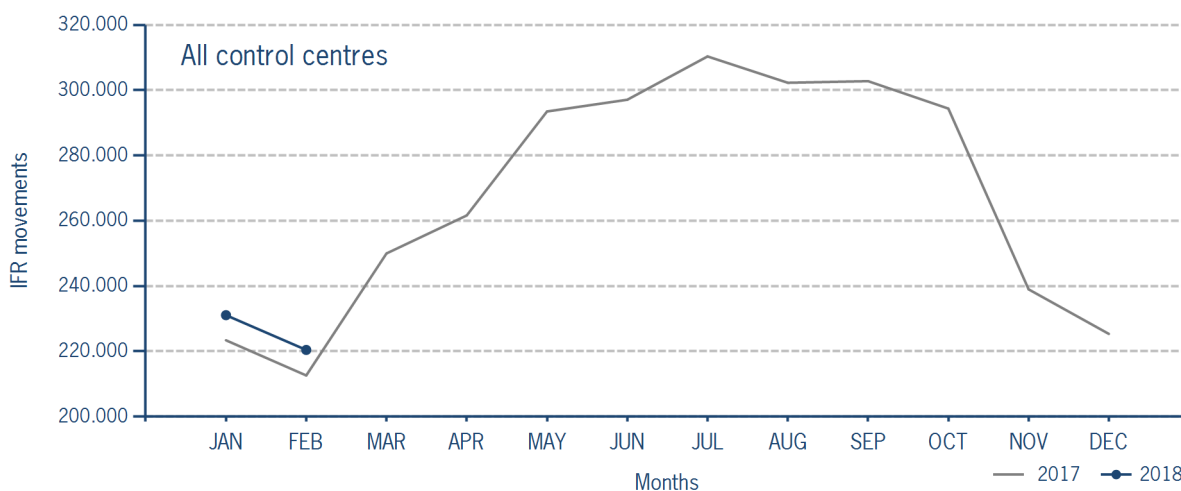
Version 05.03.2018

## IFR flights in the Federal Republic of Germany

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

	FEB 2018	FEB 2017	Trend
Civil flights	217.340	209.183	3,9%
Military flights	3.059	3.393	-9,8%
<b>Total</b>	<b>220.399</b>	<b>212.576</b>	<b>3,7%</b>

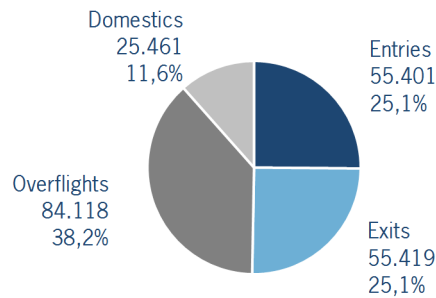
	JAN - FEB 2018	JAN - FEB 2017	Trend
Civil flights	445.007	429.448	3,6%
Military flights	6.445	6.486	-0,6%
<b>Total</b>	<b>451.452</b>	<b>435.934</b>	<b>3,6%</b>



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.

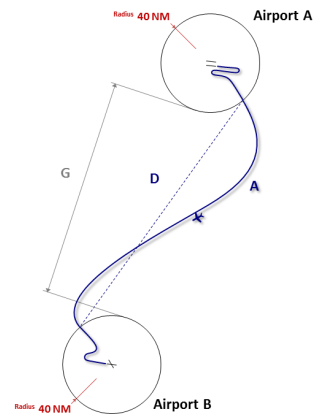


Please note: This count covers the traffic in the area build by all control sectors with a German designator („ED“), regardless of the service provider, including civil and military traffic in sectors controlled by DFS and Maastricht UAC (Maastricht-Hannover sectors). The area counted is composed of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

FEB 2018	
Evaluated traffic	197.236
Average actual route / flight	327,8 km
Average direct course / flight	324,1 km
Average direct route extension / flight	3,7 km
Average direct route extension / flight	1,1%



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										
Avg. direct route ext.	1,1%	1,1%										

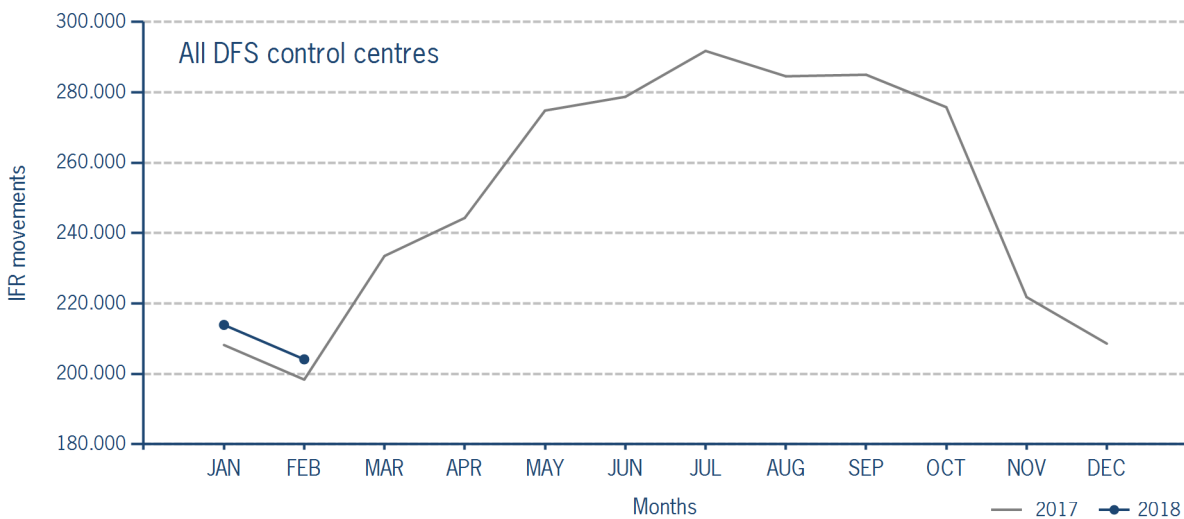
## IFR flights controlled by DFS

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

	FEB 2018	FEB 2017	Trend
Civil flights	201.134	195.001	3,1%
Military flights	3.025	3.401	-11,1%
<b>Total</b>	<b>204.159</b>	<b>198.402</b>	<b>2,9%</b>

	JAN - FEB 2018	JAN - FEB 2017	Trend
Civil flights	411.696	400.123	2,9%
Military flights	6.406	6.509	-1,6%
<b>Total</b>	<b>418.102</b>	<b>406.632</b>	<b>2,8%</b>

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.



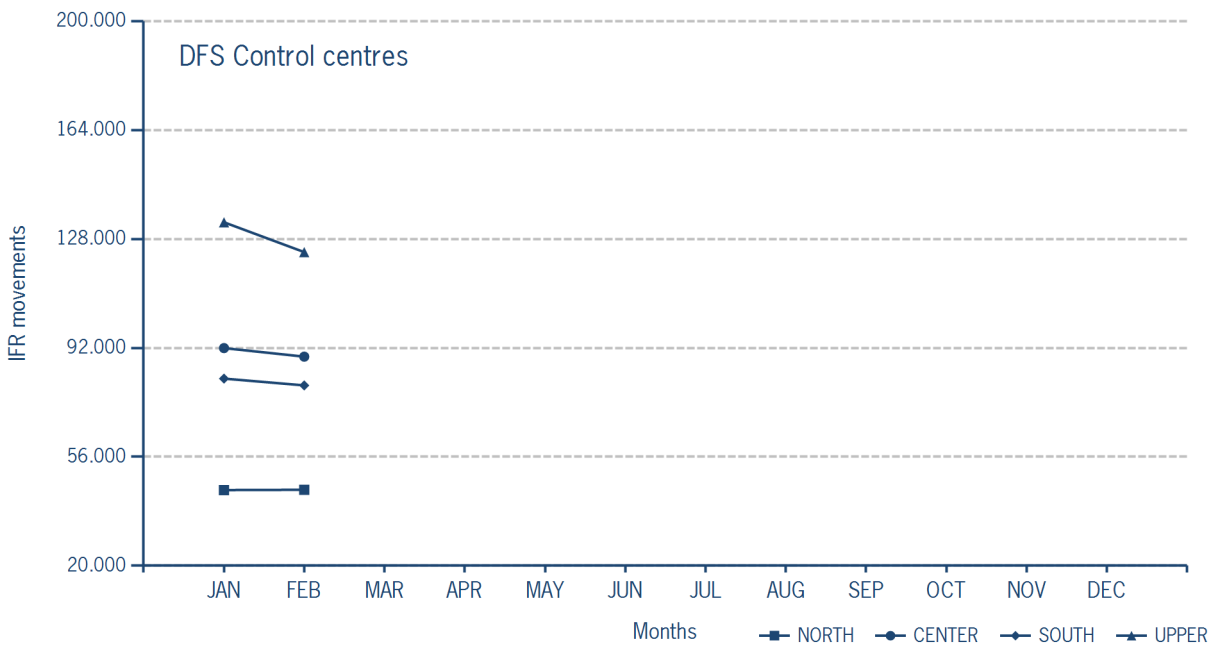
**IFR flights controlled by DFS - in detail**

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

	FEB 2018	FEB 2017	Trend
NORTH	45.104	46.534	-3,1%
CENTER	89.115	85.458	4,3%
SOUTH	79.610	77.239	3,1%
UPPER	123.663	120.163	2,9%

	JAN - FEB 2018	JAN - FEB 2017	Trend
NORTH	90.124	93.983	-4,1%
CENTER	181.056	173.510	4,3%
SOUTH	161.467	155.850	3,6%
UPPER	257.189	248.841	3,4%

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.

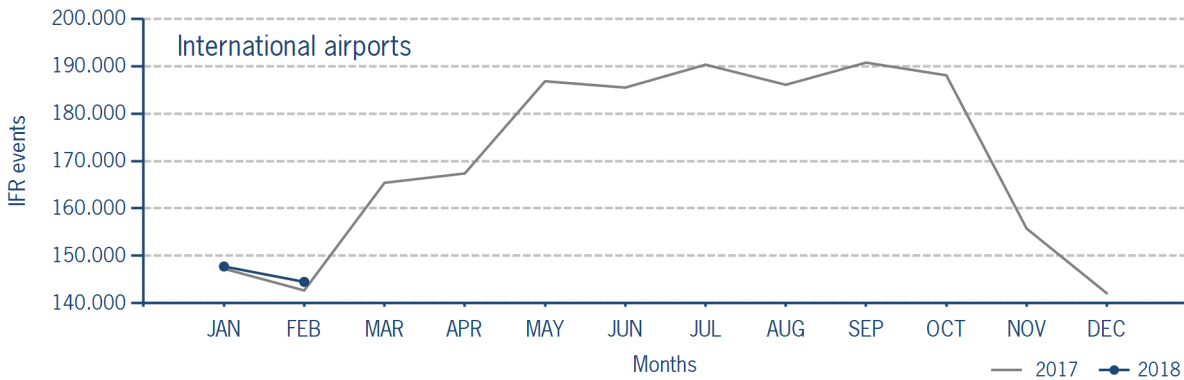
	FEB 2018	FEB 2017	Trend
<b>International Airports</b>	144.512	142.710	1,3%
<b>Regional Airports</b>	11.250	10.588	6,3%
<b>Total</b>	155.762	153.298	1,6%

	JAN - FEB 2018	JAN - FEB 2017	Trend
<b>International Airports</b>	292.276	289.987	0,8%
<b>Regional Airports</b>	22.174	20.313	9,2%
<b>Total</b>	314.450	310.300	1,3%

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

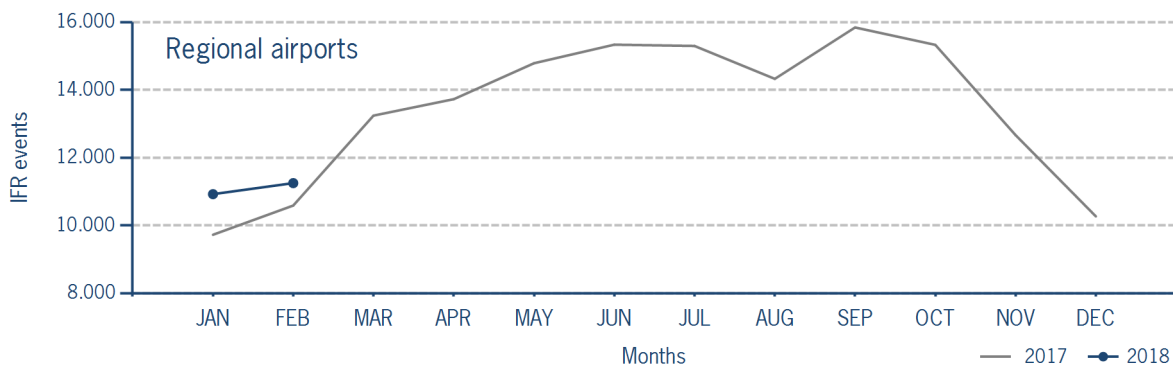
### IFR flights at international German airports

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



### IFR flights at regional German airports

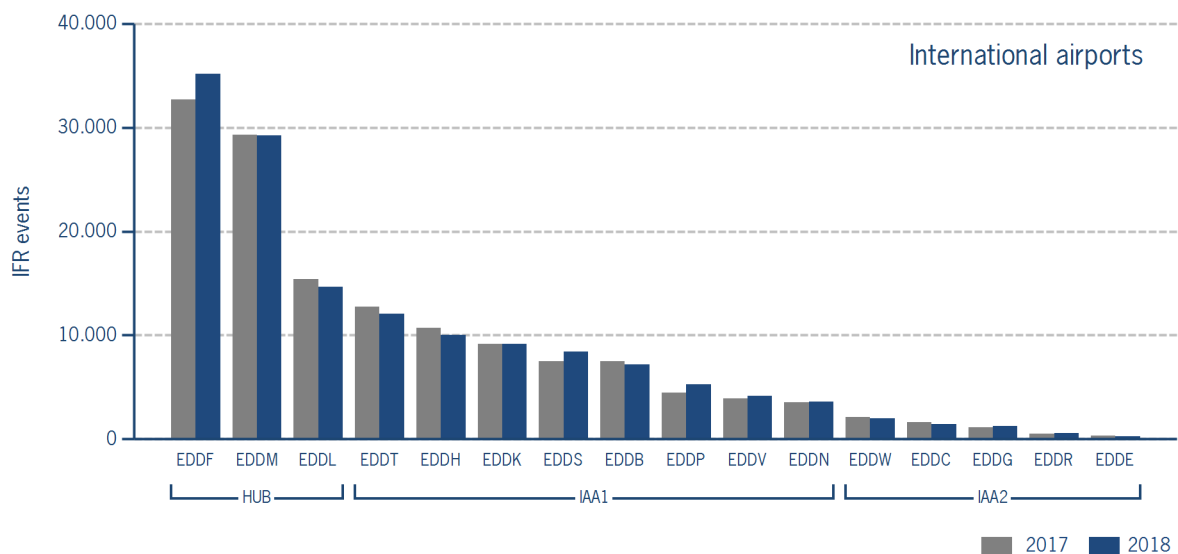
IFR events (take-offs and landings) at the different regional towers in the Federal Republic of Germany with control zone and barely any PPR.



**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).

		FEB 2018	Trend	JAN - FEB 2018	Trend
<b>HUB</b>					
EDDF	Frankfurt/Main	35.184	7,6%	71.998	8,1%
EDDL	Düsseldorf	14.639	-5,1%	29.390	-7,0%
EDDM	München	29.215	-0,3%	59.479	1,1%
<b>IAA1</b>					
EDDB	Berlin-Schönefeld	7.186	-4,2%	14.497	-4,6%
EDDH	Hamburg	10.049	-6,0%	20.629	-5,9%
EDDK	Köln/Bonn	9.188	0,4%	19.081	0,5%
EDDN	Nürnberg	3.582	0,4%	7.165	1,4%
EDDP	Leipzig/Halle	5.253	17,0%	10.760	17,4%
EDDS	Stuttgart	8.450	13,0%	16.686	9,9%
EDDT	Berlin-Tegel	12.061	-5,5%	23.470	-10,6%
EDDV	Hannover	4.132	5,5%	8.235	2,8%
<b>IAA2</b>					
EDDC	Dresden	1.427	-12,7%	2.851	-11,6%
EDDE	Erfurt/Weimar	294	-5,5%	533	-4,3%
EDDG	Münster/Osnabrück	1.271	11,2%	2.387	9,8%
EDDR	Saarbrücken	584	11,2%	1.189	5,5%
EDDW	Bremen	1.997	-4,9%	3.926	-4,2%



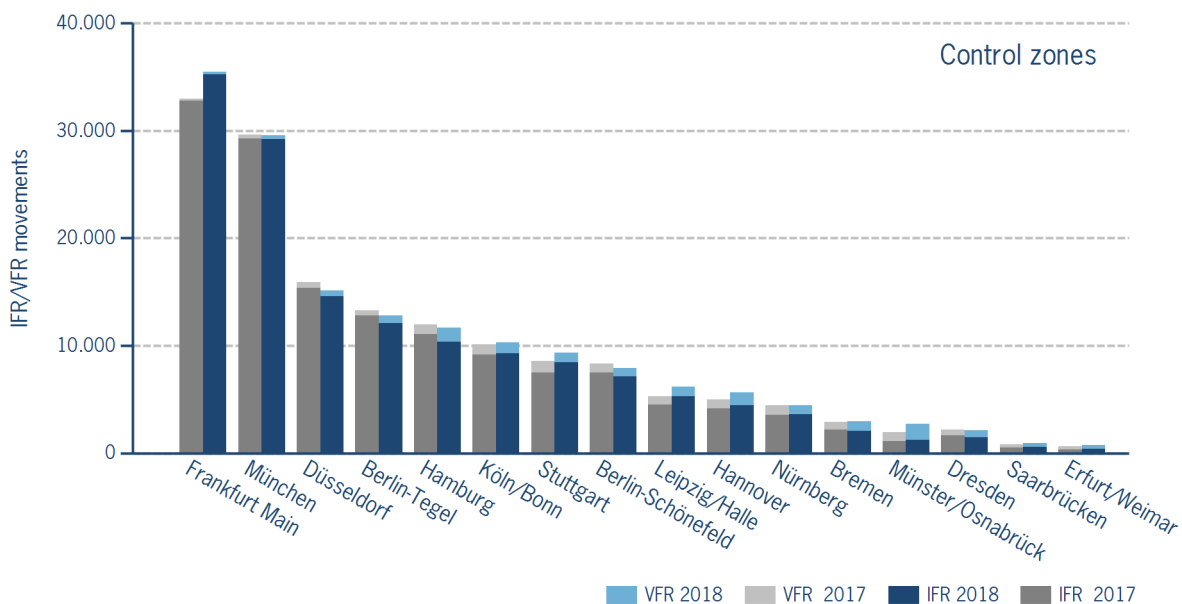
IFR/VFR flights in control zones of DFS towers

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

	FEB 2018	Trend	JAN - FEB 2018	Trend
Berlin-Schönefeld	7.903	-5,2%	15.733	-6,2%
Berlin-Tegel	12.787	-3,8%	24.692	-9,1%
Bremen	2.958	1,2%	5.546	-0,8%
Dresden	2.143	-2,9%	4.104	-3,8%
Düsseldorf	15.160	-4,5%	30.373	-6,6%
Erfurt/Weimar	720	18,2%	1.272	13,4%
Frankfurt Main	35.467	7,6%	72.569	8,2%
Hamburg	11.700	-2,0%	23.414	-4,4%
Hannover	5.631	13,5%	10.884	7,8%
Köln/Bonn	10.300	1,5%	21.143	1,3%
Leipzig/Halle	6.165	16,7%	12.313	17,5%
München	29.580	-0,2%	60.219	1,2%
Münster/Osnabrück	2.742	40,5%	4.828	25,5%
Nürnberg	4.474	1,0%	8.724	0,8%
Saarbrücken	956	14,2%	1.787	1,0%
Stuttgart	9.366	9,1%	18.480	7,6%

Additional information:

Münster reported no glider movements for the current month, i.e. no 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.

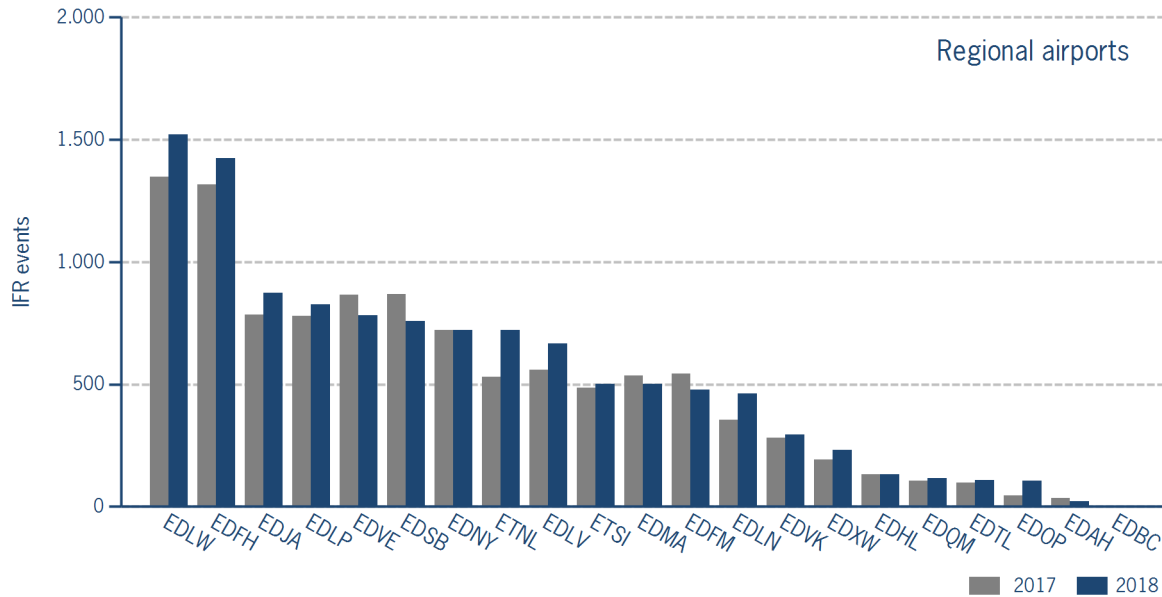
		FEB 2018	Trend	JAN - FEB 2018	Trend
EDAH	Heringsdorf	22	-38,9%	49	14,0%
EDBC	Magdeburg/Cochstedt	0	N/A	0	
EDFH	Frankfurt-Hahn	1.425	8,2%	2.885	4,2%
EDFM	Mannheim City	477	-12,3%	926	-2,0%
EDHL	Lübeck-Blankensee	131	-0,8%	215	0,9%
EDJA	Memmingen	873	11,4%	1.858	23,0%
EDLN	Mönchengladbach	462	30,1%	1.008	35,7%
EDLP	Paderborn/Lippstadt	828	6,3%	1.609	12,4%
EDLV	Niederrhein	666	19,1%	1.410	17,0%
EDLW	Dortmund	1.522	13,0%	3.127	16,4%
EDMA	Augsburg	501	-6,7%	911	3,8%
EDNY	Friedrichshafen	723	0,3%	1.445	1,6%
EDOP	Schwerin-Parchim	106	125,5%	146	121,2%
EDQM	Hof-Plauen	117	9,3%	174	-5,4%
EDSB	Karlsruhe/Baden-Baden	758	-12,8%	1.559	-10,6%
EDTL	Lahr	108	11,3%	216	11,3%
EDVE	Braunschweig-Wolfsburg	781	-9,9%	1.471	-4,1%
EDVK	Kassel-Calden	294	4,6%	586	18,4%
EDXW	Sylt	231	19,7%	444	2,3%
ETNL	Laage	722	36,2%	1.268	22,7%
ETSI	Ingolstadt/Manching	503	3,5%	867	10,9%

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



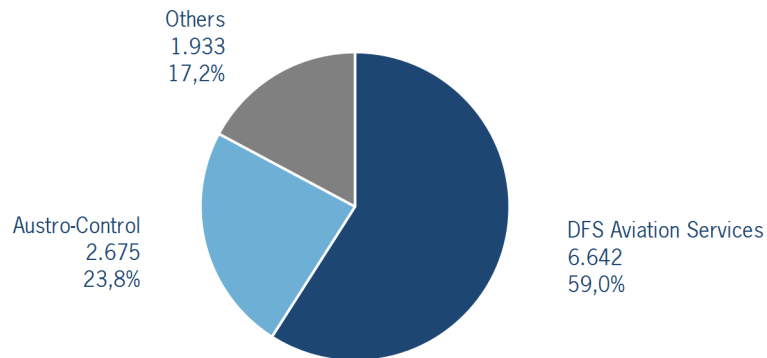
### IFR flights at regional German airports - in detail

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)