



# LIZ Air traffic statistics

JUN 2018

DFS Situation and Information Centre

Version 04.07.2018

Please note: With AIRAC AIP Amendment 21JUN18 Frankfurt-Hahn (EDFH) belongs to Austrocontrol and therefore is no longer counted among DFS Aviation Services (regional German airports, page 9).

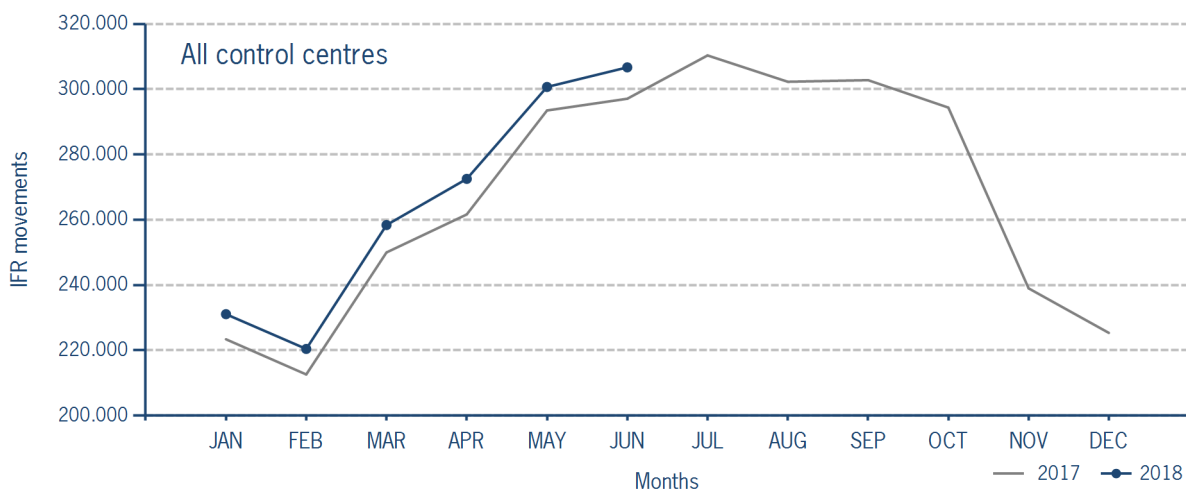
## IFR flights in the Federal Republic of Germany

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

	JUN 2018	JUN 2017	Trend
Civil flights	302.631	292.892	3,3%
Military flights	4.064	4.184	-2,9%
<b>Total</b>	<b>306.695</b>	<b>297.076</b>	<b>3,2%</b>

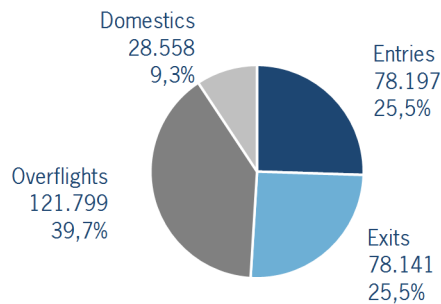
	JAN - JUN 2018	JAN - JUN 2017	Trend
Civil flights	1.568.357	1.515.852	3,5%
Military flights	21.360	22.231	-3,9%
<b>Total</b>	<b>1.589.717</b>	<b>1.538.083</b>	<b>3,4%</b>



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.

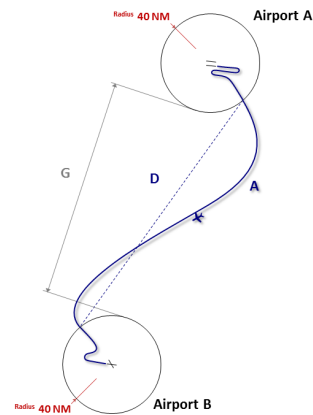


Please note: This count covers the traffic in the area build by all control sectors with a German designator („ED“), regardless of the service provider, including civil and military traffic in sectors controlled by DFS and Maastricht UAC (Maastricht-Hannover sectors). The area counted is composed of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

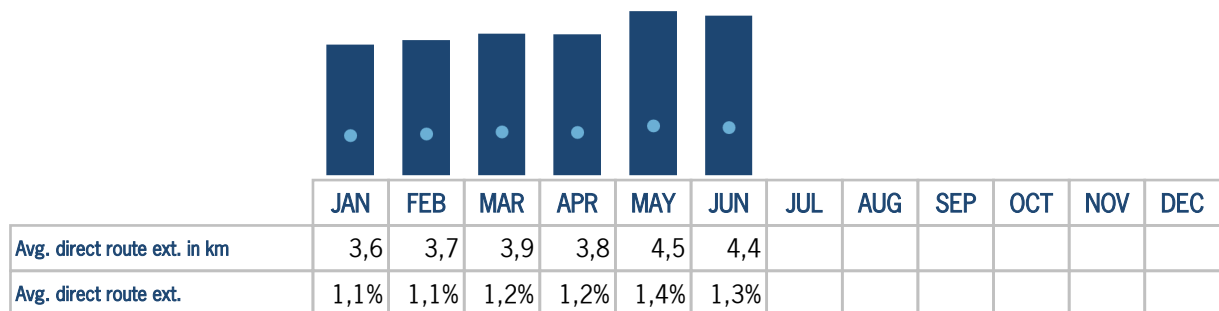
Direct route extension is defined as the difference between the length of the actual route (A) and the direct course (D) between the departure and arrival terminal areas (radius of 40 NM around the airport) or the national border where a flight enters or leaves German airspace. The direct route extension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

JUN 2018	
Evaluated traffic	272.885
Average actual route / flight	336,8 km
Average direct course / flight	332,5 km
Average direct route extension / flight	4,4 km
Average direct route extension / flight	1,3%



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.



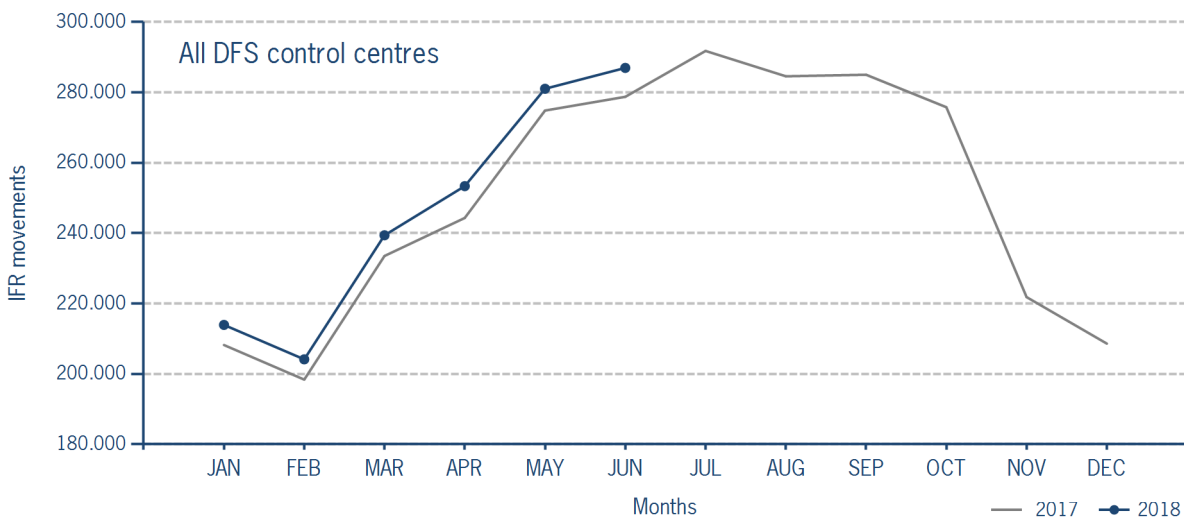
## IFR flights controlled by DFS

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

	JUN 2018	JUN 2017	Trend
<b>Civil flights</b>	282.943	274.620	3,0%
<b>Military flights</b>	4.034	4.140	-2,6%
<b>Total</b>	286.977	278.760	2,9%

	JAN - JUN 2018	JAN - JUN 2017	Trend
<b>Civil flights</b>	1.457.644	1.415.987	2,9%
<b>Military flights</b>	21.272	22.130	-3,9%
<b>Total</b>	1.478.916	1.438.117	2,8%

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.



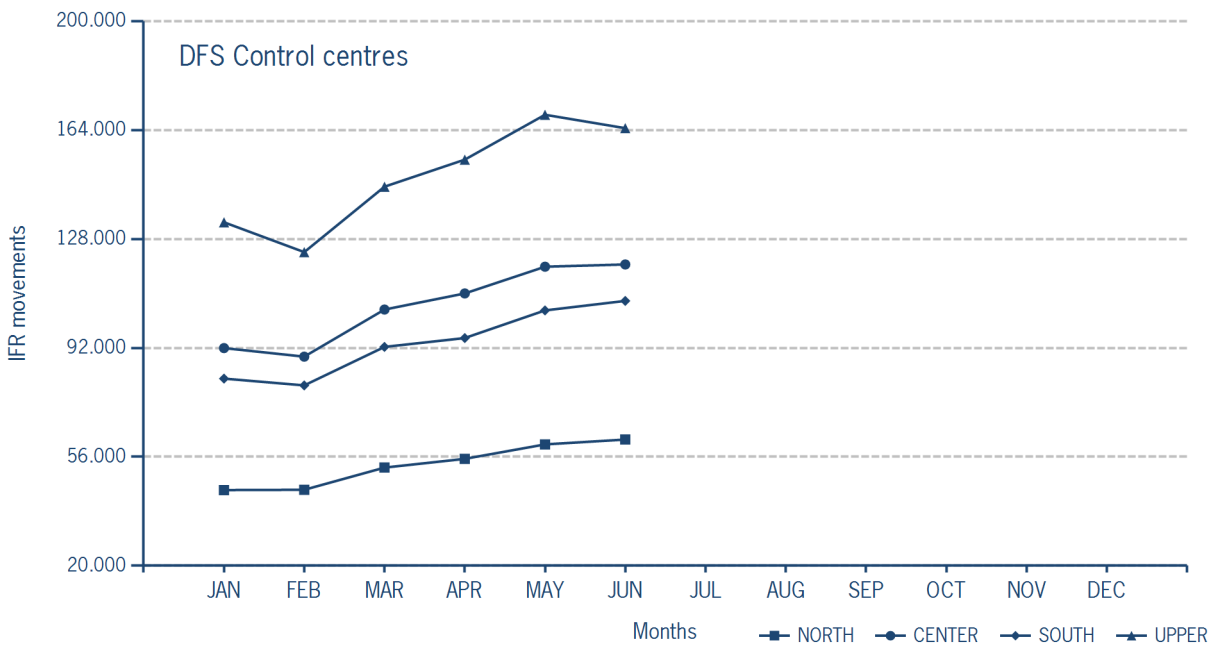
### IFR flights controlled by DFS - in detail

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

	JUN 2018	JUN 2017	Trend
NORTH	61.712	62.015	-0,5%
CENTER	119.585	115.234	3,8%
SOUTH	107.539	102.235	5,2%
UPPER	164.631	170.066	-3,2%

	JAN - JUN 2018	JAN - JUN 2017	Trend
NORTH	319.722	324.630	-1,5%
CENTER	634.168	609.315	4,1%
SOUTH	561.000	539.178	4,0%
UPPER	890.399	878.686	1,3%

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 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.

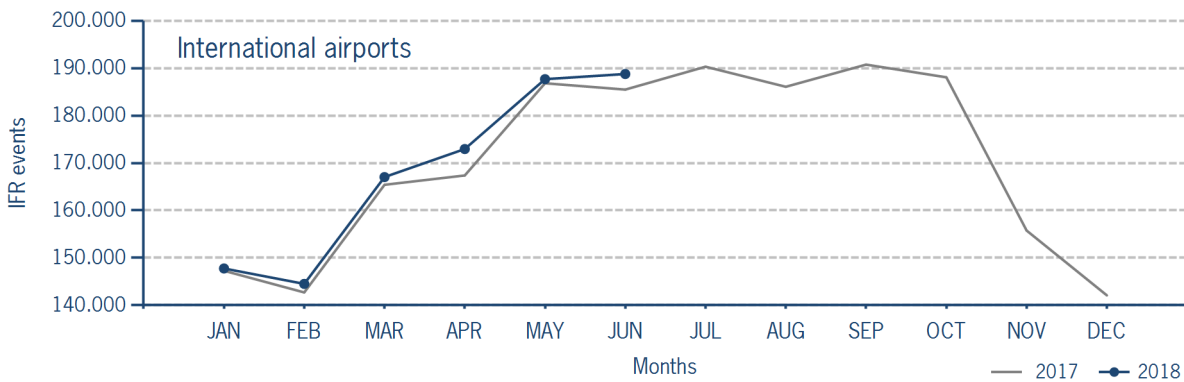
	JUN 2018	JUN 2017	Trend
<b>International Airports</b>	188.772	185.487	1,8%
<b>Regional Airports</b>	16.019	15.337	4,4%
<b>Total</b>	204.791	200.824	2,0%

	JAN - JUN 2018	JAN - JUN 2017	Trend
<b>International Airports</b>	1.008.716	995.077	1,4%
<b>Regional Airports</b>	81.372	77.410	5,1%
<b>Total</b>	1.090.088	1.072.487	1,6%

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

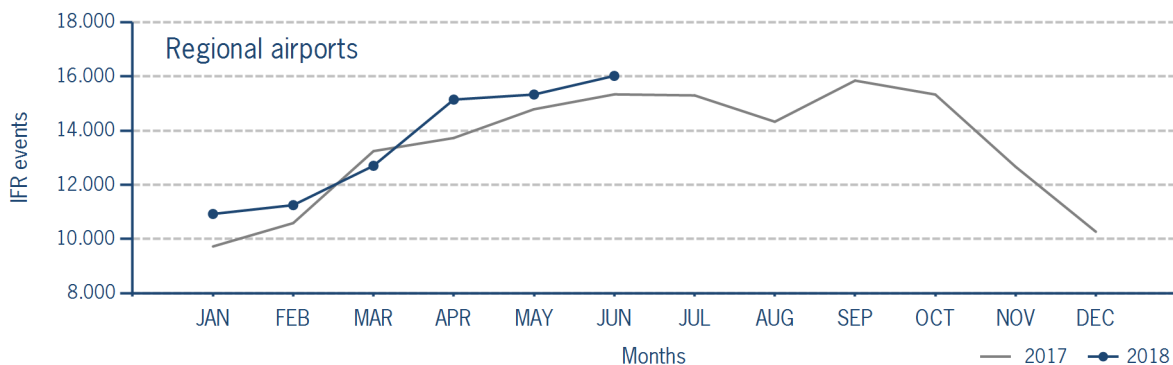
### IFR flights at international German airports

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



### IFR flights at regional German airports

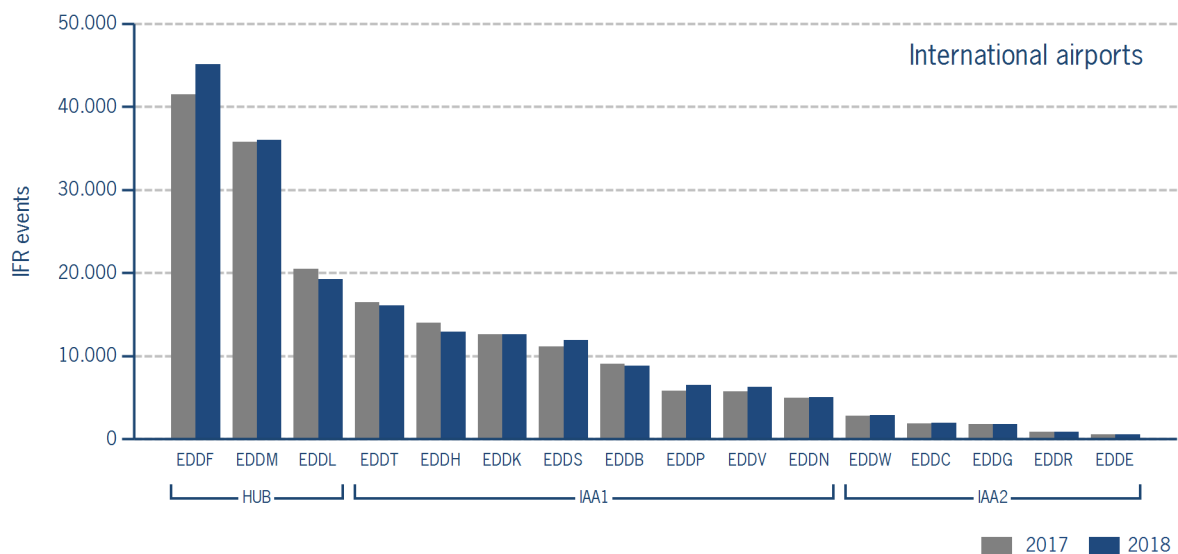
IFR events (take-offs and landings) at the different regional towers in the Federal Republic of Germany with control zone and barely any PPR.



**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).

		JUN 2018	Trend	JAN - JUN 2018	Trend
<b>HUB</b>					
EDDF	Frankfurt/Main	45.091	8,7%	246.850	8,5%
EDDL	Düsseldorf	19.215	-6,2%	101.137	-8,1%
EDDM	München	36.029	0,6%	197.607	0,1%
<b>IAA1</b>					
EDDB	Berlin-Schönefeld	8.848	-2,0%	49.327	-0,5%
EDDH	Hamburg	12.942	-7,8%	70.969	-5,3%
EDDK	Köln/Bonn	12.603	0,2%	66.762	1,7%
EDDN	Nürnberg	5.072	2,0%	25.564	2,7%
EDDP	Leipzig/Halle	6.540	12,7%	35.486	15,6%
EDDS	Stuttgart	11.903	6,5%	60.381	7,9%
EDDT	Berlin-Tegel	16.101	-2,1%	83.606	-5,4%
EDDV	Hannover	6.308	9,6%	30.440	4,1%
<b>IAA2</b>					
EDDC	Dresden	1.961	6,0%	10.303	-5,3%
EDDE	Erfurt/Weimar	565	-2,1%	2.422	-7,3%
EDDG	Münster/Osnabrück	1.796	-0,2%	8.676	1,9%
EDDR	Saarbrücken	902	4,6%	4.359	1,5%
EDDW	Bremen	2.896	2,1%	14.827	1,8%



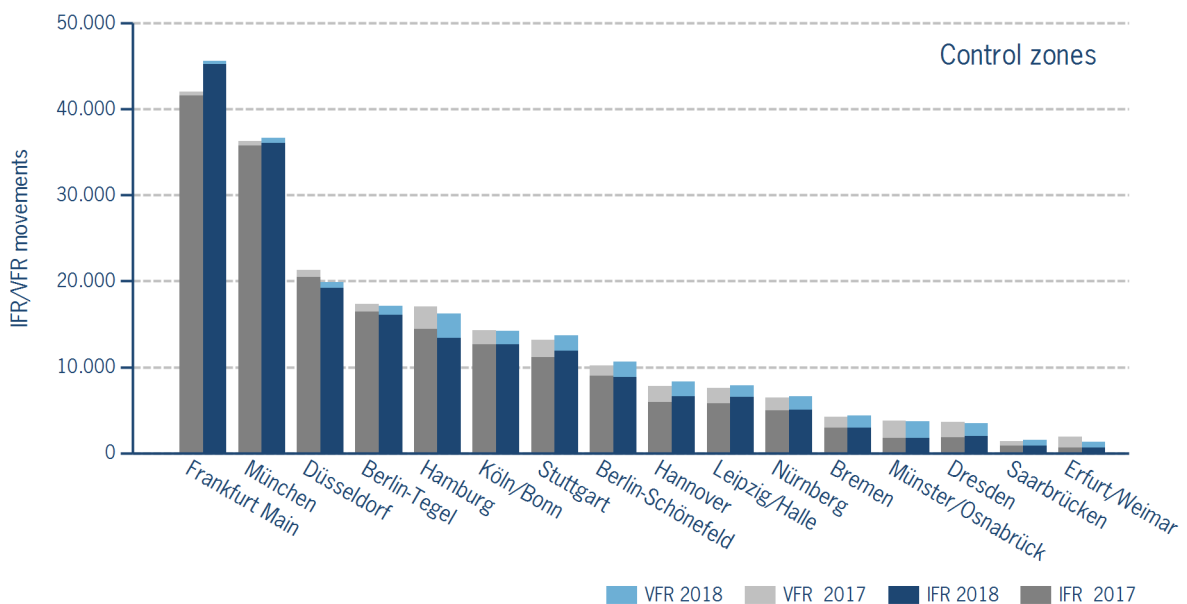
IFR/VFR flights in control zones of DFS towers

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

	JUN 2018	Trend	JAN - JUN 2018	Trend
Berlin-Schönefeld	10.630	4,2%	57.362	3,4%
Berlin-Tegel	17.116	-1,3%	88.431	-4,7%
Bremen	4.334	2,3%	21.664	1,7%
Dresden	3.496	-2,7%	17.506	0,1%
Düsseldorf	19.895	-6,5%	104.782	-8,1%
Erfurt/Weimar	1.345	-29,0%	6.025	-7,9%
Frankfurt Main	45.615	8,5%	249.292	8,5%
Hamburg	16.211	-5,0%	85.046	-3,7%
Hannover	8.324	6,9%	41.305	5,2%
Köln/Bonn	14.225	-0,4%	74.991	1,2%
Leipzig/Halle	7.909	4,0%	42.843	11,8%
München	36.664	0,9%	200.562	0,2%
Münster/Osnabrück	3.732	-1,1%	18.357	4,8%
Nürnberg	6.571	1,7%	32.577	3,1%
Saarbrücken	1.513	6,6%	7.048	-1,0%
Stuttgart	13.730	4,5%	68.728	6,0%

Additional information:

Münster reported 370 glider movements for the current month, i.e. 1.034 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.

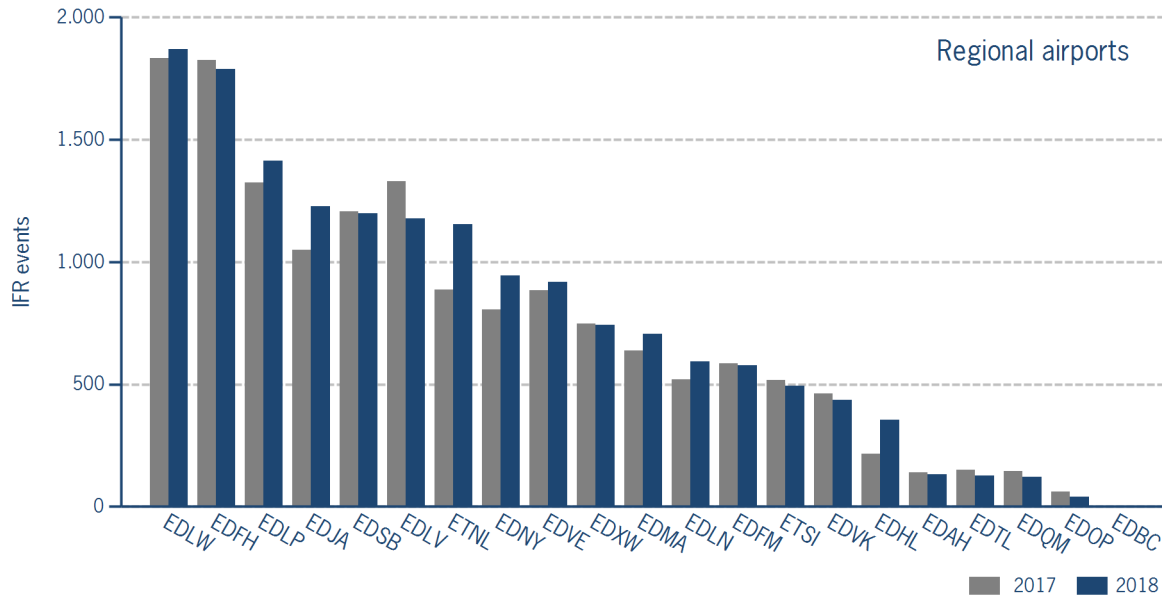
		JUN 2018	Trend	JAN - JUN 2018	Trend
EDAH	Heringsdorf	133	-5,7%	391	0,8%
EDBC	Magdeburg/Cochstedt	0	N/A	1	-50,0%
EDFH	Frankfurt-Hahn	1.788	-2,0%	10.013	1,3%
EDFM	Mannheim City	578	-1,2%	3.212	-0,7%
EDHL	Lübeck-Blankensee	355	64,4%	1.214	29,4%
EDJA	Memmingen	1.227	16,9%	6.470	17,8%
EDLN	Mönchengladbach	594	14,5%	3.291	12,3%
EDLP	Paderborn/Lippstadt	1.414	6,7%	6.342	7,1%
EDLV	Niederrhein	1.178	-11,5%	6.114	4,5%
EDLW	Dortmund	1.870	2,0%	10.601	9,7%
EDMA	Augsburg	706	10,5%	3.532	2,5%
EDNY	Friedrichshafen	945	17,1%	5.153	-2,4%
EDOP	Schwerin-Parchim	41	-33,9%	301	-37,0%
EDQM	Hof-Plauen	121	-16,6%	637	-17,5%
EDSB	Karlsruhe/Baden-Baden	1.200	-0,6%	5.845	-8,7%
EDTL	Lahr	126	-16,6%	742	1,0%
EDVE	Braunschweig-Wolfsburg	919	4,0%	4.983	-2,6%
EDVK	Kassel-Calden	435	-6,0%	2.301	12,3%
EDXW	Sylt	742	-0,9%	2.775	8,1%
ETNL	Laage	1.154	30,0%	4.683	37,7%
ETSI	Ingolstadt/Manching	493	-4,6%	2.771	-2,9%

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



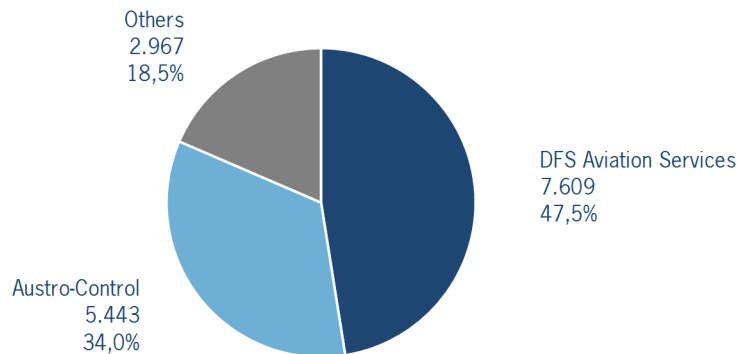
### IFR flights at regional German airports - in detail

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), 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), 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)