



LIZ Air traffic statistics

JUL 2018

DFS Situation and Information Centre

Version 02.08.2018

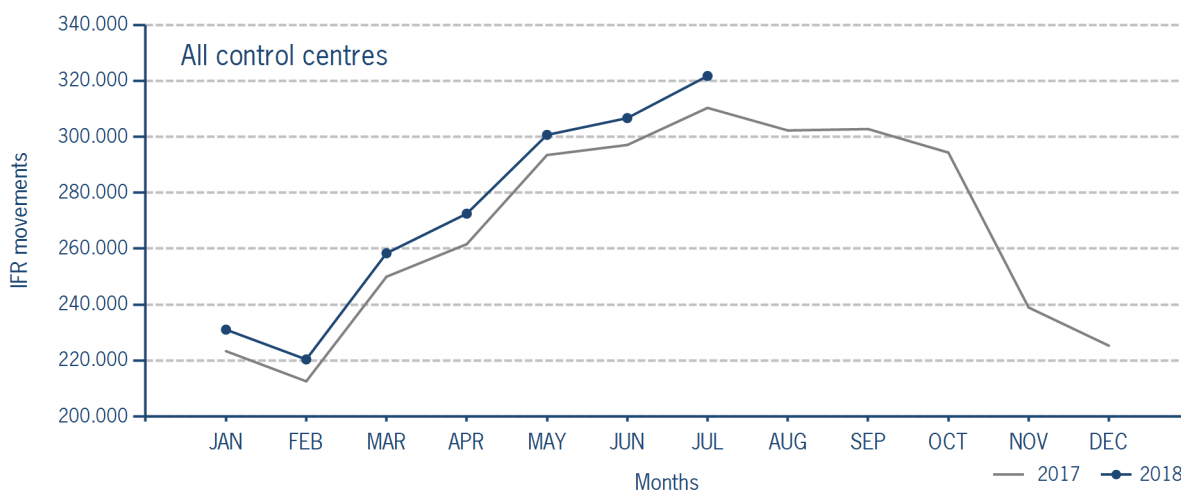
Please note: Since July 01, Friedrichshafen (EDNY) belongs to DFS Aviation Services (regional German airports, page 9).

IFR flights in the Federal Republic of Germany

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

	JUL 2018	JUL 2017	Trend
Civil flights	317.873	306.592	3,7%
Military flights	3.871	3.752	3,2%
Total	321.744	310.344	3,7%

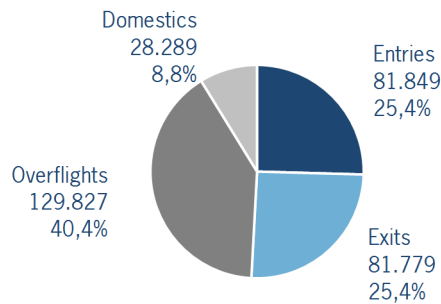
	JAN - JUL 2018	JAN - JUL 2017	Trend
Civil flights	1.886.230	1.822.444	3,5%
Military flights	25.231	25.983	-2,9%
Total	1.911.461	1.848.427	3,4%



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.

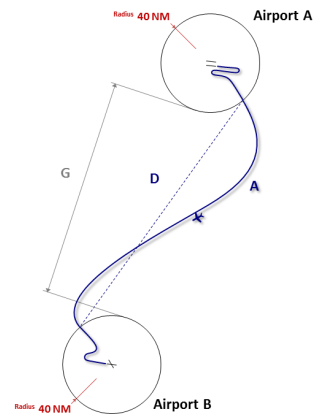


Please note: This count covers the traffic in the area build by all control sectors with a German designator („ED“), regardless of the service provider, including civil and military traffic in sectors controlled by DFS and Maastricht UAC (Maastricht-Hannover sectors). The area counted is composed of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

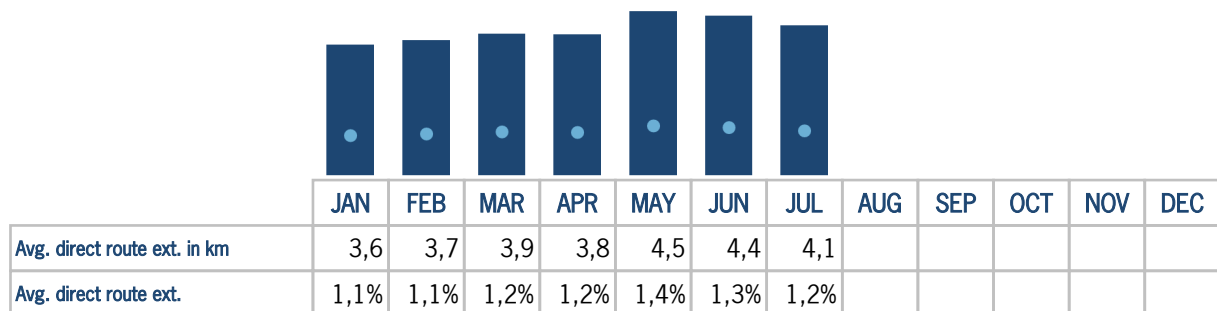
Direct route extension is defined as the difference between the length of the actual route (A) and the direct course (D) between the departure and arrival terminal areas (radius of 40 NM around the airport) or the national border where a flight enters or leaves German airspace. The direct route extension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

JUL 2018	
Evaluated traffic	287.683
Average actual route / flight	338,6 km
Average direct course / flight	334,5 km
Average direct route extension / flight	4,1 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.



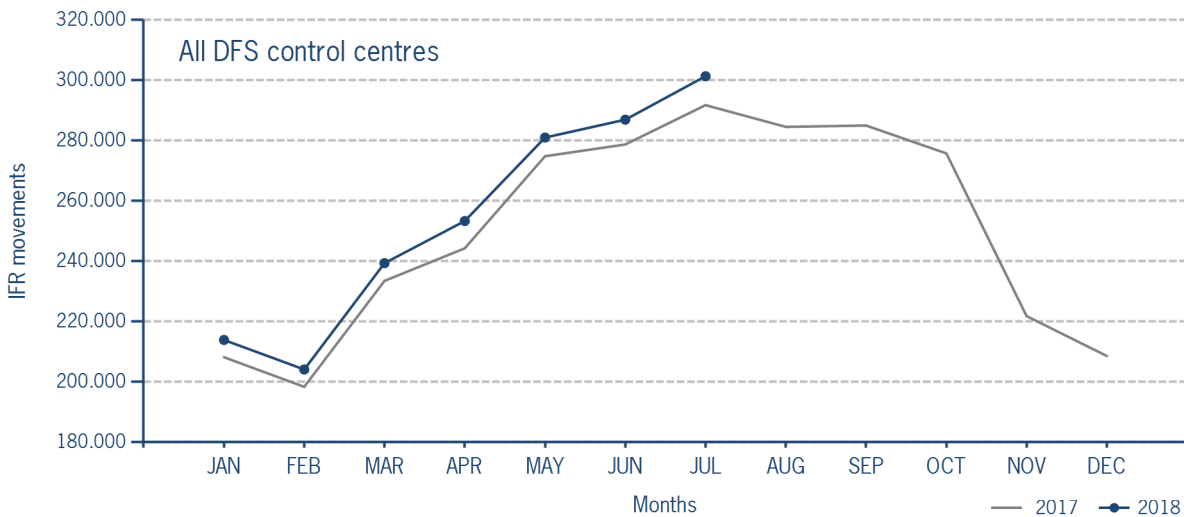
IFR flights controlled by DFS

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

	JUL 2018	JUL 2017	Trend
Civil flights	297.492	288.016	3,3%
Military flights	3.891	3.781	2,9%
Total	301.383	291.797	3,3%

	JAN - JUL 2018	JAN - JUL 2017	Trend
Civil flights	1.755.136	1.704.003	3,0%
Military flights	25.163	25.911	-2,9%
Total	1.780.299	1.729.914	2,9%

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.



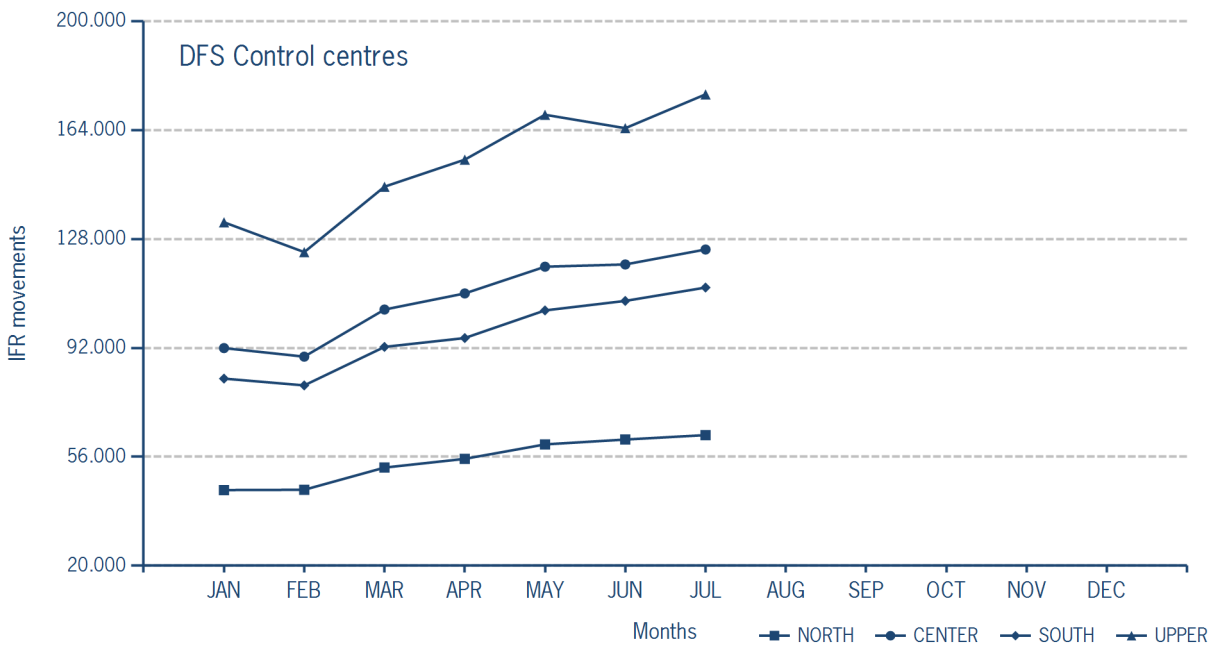
IFR flights controlled by DFS - in detail

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

	JUL 2018	JUL 2017	Trend
NORTH	63.182	62.446	1,2%
CENTER	124.527	119.054	4,6%
SOUTH	111.951	106.325	5,3%
UPPER	175.803	181.295	-3,0%

	JAN - JUL 2018	JAN - JUL 2017	Trend
NORTH	382.904	387.076	-1,1%
CENTER	758.695	728.369	4,2%
SOUTH	672.951	645.503	4,3%
UPPER	1.066.202	1.059.981	0,6%

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.

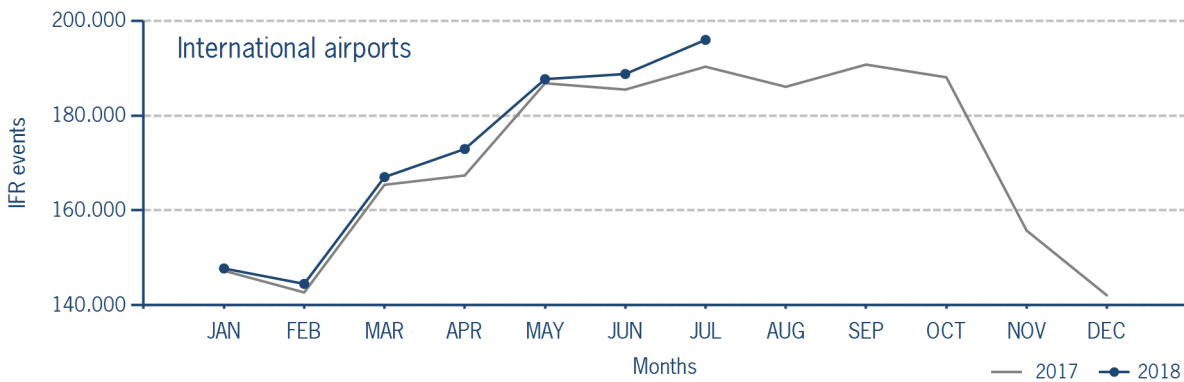
	JUL 2018	JUL 2017	Trend
International Airports	195.968	190.311	3,0%
Regional Airports	15.908	15.299	4,0%
Total	211.876	205.610	3,0%

	JAN - JUL 2018	JAN - JUL 2017	Trend
International Airports	1.204.684	1.185.388	1,6%
Regional Airports	97.280	92.709	4,9%
Total	1.301.964	1.278.097	1,9%

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

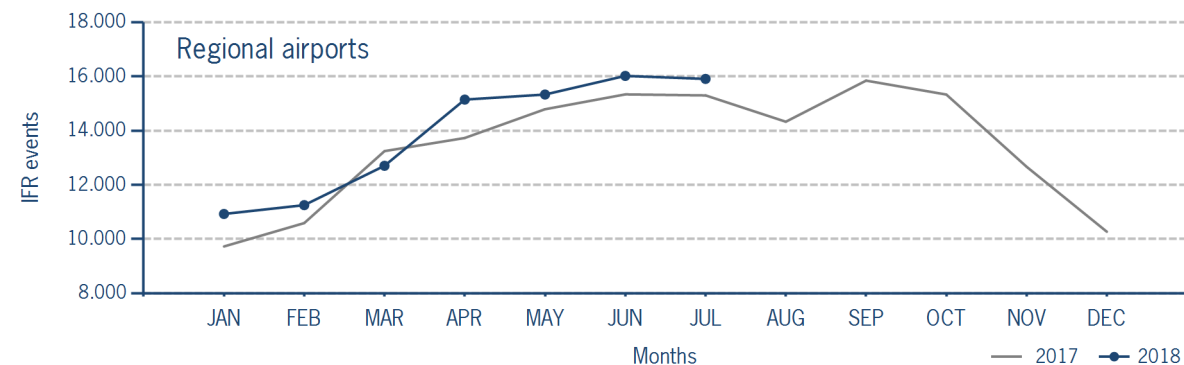
IFR flights at international German airports

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



IFR flights at regional German airports

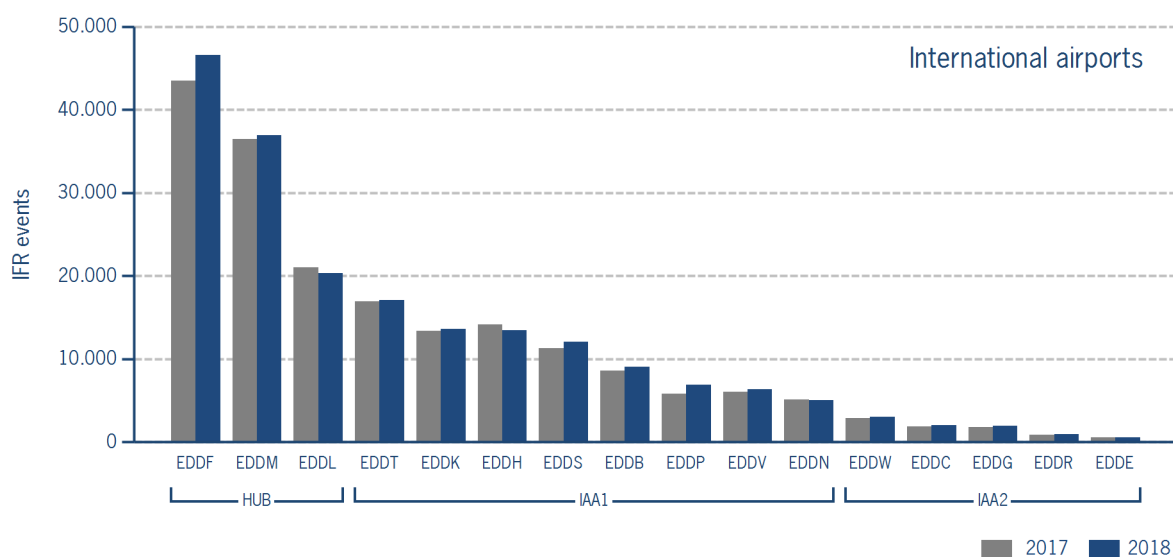
IFR events (take-offs and landings) at the different regional towers in the Federal Republic of Germany with control zone and barely any PPR.



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).

		JUL 2018	Trend	JAN - JUL 2018	Trend
HUB					
EDDF	Frankfurt/Main	46.626	7,3%	293.476	8,3%
EDDL	Düsseldorf	20.334	-3,4%	121.471	-7,3%
EDDM	München	36.948	1,3%	234.555	0,3%
IAA1					
EDDB	Berlin-Schönefeld	9.044	4,9%	58.371	0,3%
EDDH	Hamburg	13.440	-5,1%	84.409	-5,3%
EDDK	Köln/Bonn	13.596	1,7%	80.358	1,7%
EDDN	Nürnberg	5.023	-2,0%	30.587	1,9%
EDDP	Leipzig/Halle	6.884	18,9%	42.370	16,1%
EDDS	Stuttgart	12.046	6,8%	72.427	7,7%
EDDT	Berlin-Tegel	17.073	0,9%	100.679	-4,4%
EDDV	Hannover	6.373	5,8%	36.813	4,4%
IAA2					
EDDC	Dresden	2.053	8,9%	12.356	-3,2%
EDDE	Erfurt/Weimar	589	10,1%	3.011	-4,4%
EDDG	Münster/Osnabrück	1.979	8,1%	10.655	3,0%
EDDR	Saarbrücken	932	3,7%	5.291	1,9%
EDDW	Bremen	3.028	5,2%	17.855	2,4%



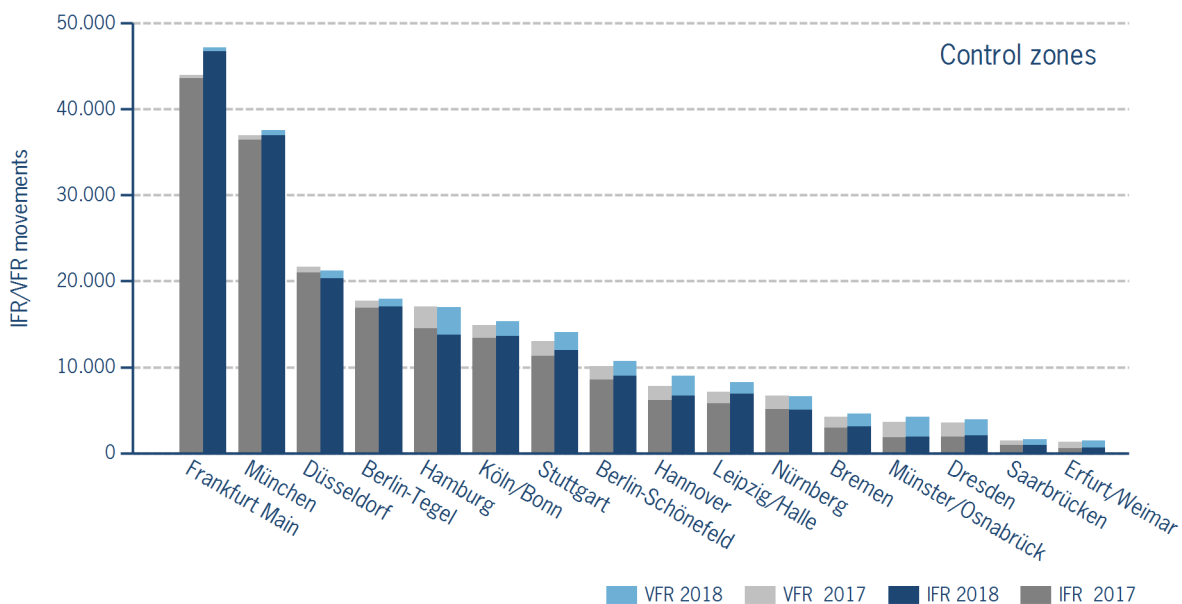
IFR/VFR flights in control zones of DFS towers

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

	JUL 2018	Trend	JAN - JUL 2018	Trend
Berlin-Schönefeld	10.734	6,2%	68.096	3,8%
Berlin-Tegel	17.936	1,0%	106.367	-3,8%
Bremen	4.589	7,8%	26.253	2,7%
Dresden	3.904	9,2%	21.410	1,7%
Düsseldorf	21.199	-2,3%	125.981	-7,2%
Erfurt/Weimar	1.447	11,1%	7.472	-4,8%
Frankfurt Main	47.180	7,3%	296.472	8,3%
Hamburg	16.977	-0,4%	102.023	-3,2%
Hannover	8.979	14,6%	50.284	6,8%
Köln/Bonn	15.356	3,1%	90.347	1,6%
Leipzig/Halle	8.229	15,3%	51.072	12,4%
München	37.566	1,7%	238.128	0,4%
Münster/Osnabrück	4.210	16,8%	22.567	6,9%
Nürnberg	6.581	-1,8%	39.158	2,3%
Saarbrücken	1.595	8,6%	8.643	0,7%
Stuttgart	14.077	8,1%	82.805	6,4%

Additional information:

Münster reported 312 glider movements for the current month, i.e. 1.346 glider movements for the cumulated year.



IFR flights at regional German airports - in detail

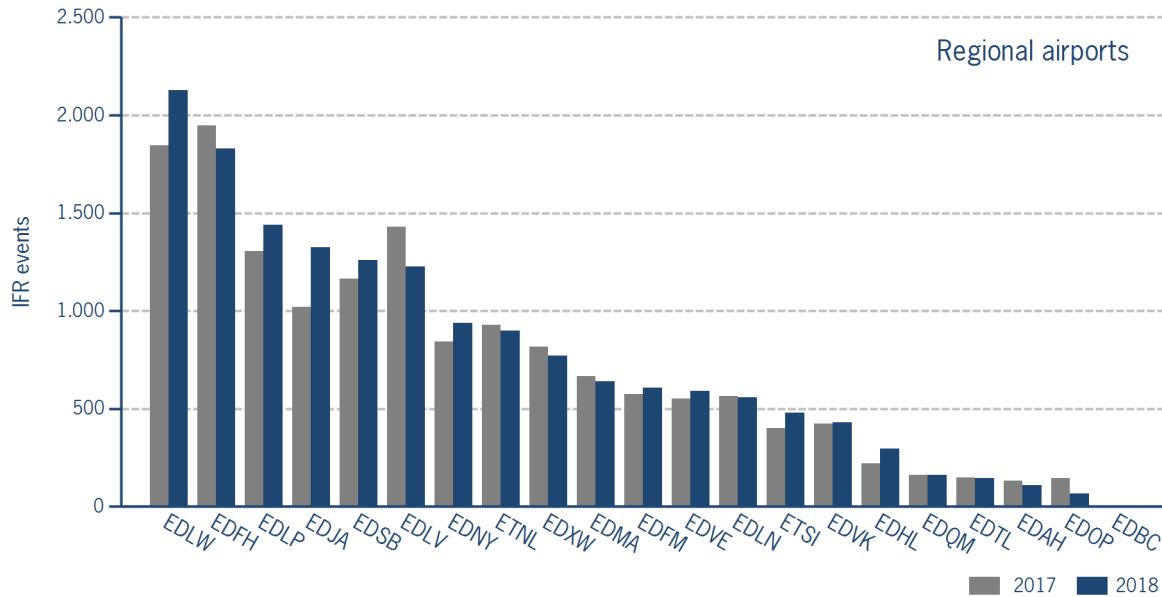
IFR events (take-offs and landings) at the different regional towers in the Federal Republic of Germany with control zone and barely any PPR.

		JUL 2018	Trend	JAN - JUL 2018	Trend
EDAH	Heringsdorf	109	-18,7%	500	-4,2%
EDBC	Magdeburg/Cochstedt	0	-100,0%	1	-75,0%
EDFH	Frankfurt-Hahn	1.830	-6,1%	11.843	0,1%
EDFM	Mannheim City	609	6,1%	3.821	0,3%
EDHL	Lübeck-Blankensee	297	33,8%	1.511	30,3%
EDJA	Memmingen	1.324	29,9%	7.794	19,7%
EDLN	Mönchengladbach	559	-1,2%	3.850	10,1%
EDLP	Paderborn/Lippstadt	1.440	10,4%	7.782	7,7%
EDLV	Niederrhein	1.227	-14,3%	7.341	0,8%
EDLW	Dortmund	2.126	15,1%	12.727	10,6%
EDMA	Augsburg	640	-4,0%	4.172	1,4%
EDNY	Friedrichshafen	940	11,4%	6.093	-0,5%
EDOP	Schwerin-Parchim	67	-54,4%	368	-41,1%
EDQM	Hof-Plauen	163	1,2%	800	-14,3%
EDSB	Karlsruhe/Baden-Baden	1.260	8,2%	7.105	-6,1%
EDTL	Lahr	147	-1,3%	889	0,6%
EDVE	Braunschweig-Wolfsburg	590	7,1%	5.573	-1,7%
EDVK	Kassel-Calden	429	0,9%	2.730	10,3%
EDXW	Sylt	772	-5,4%	3.547	4,9%
ETNL	Laage	900	-2,9%	5.583	29,0%
ETSI	Ingolstadt/Manching	479	19,8%	3.250	-0,2%

*The value is of limited conclusiveness (OLC).

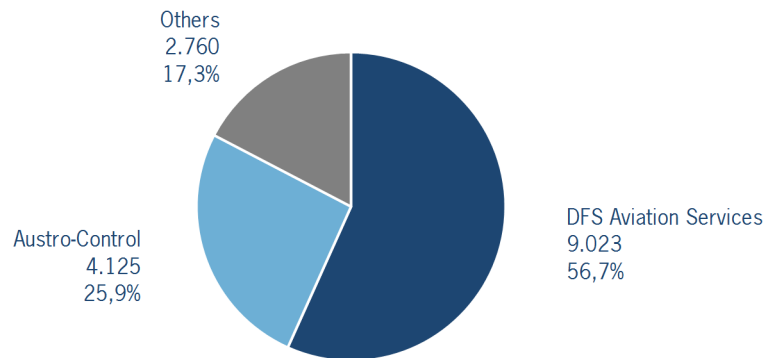
IFR flights at regional German airports - in detail

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), 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)