



LIZ Air traffic statistics

OCT 2018

DFS Situation and Information Centre

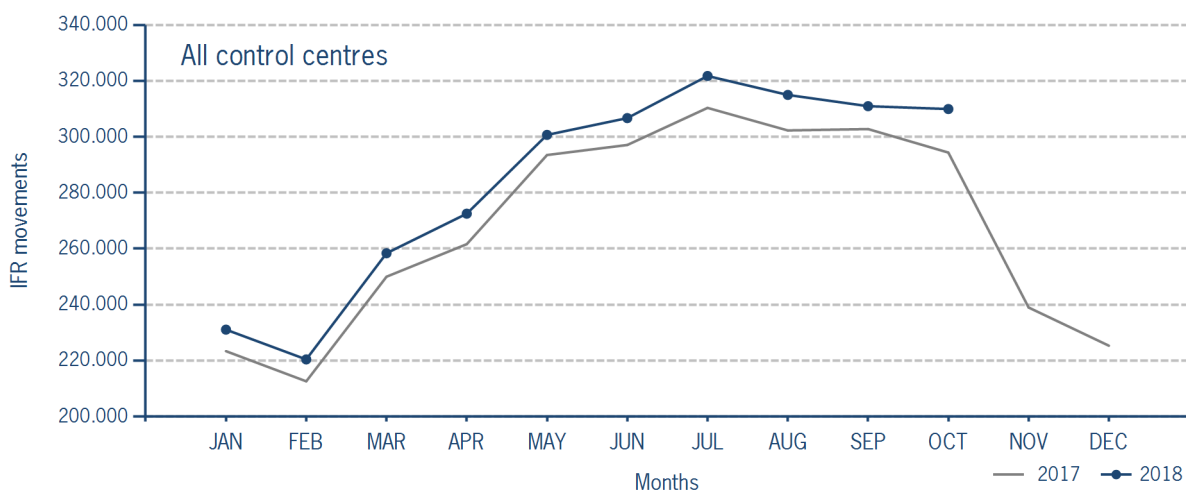
Version 06.11.2018

IFR flights in the Federal Republic of Germany

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

	OCT 2018	OCT 2017	Trend
Civil flights	305.961	290.529	5,3%
Military flights	3.972	3.838	3,5%
Total	309.933	294.367	5,3%

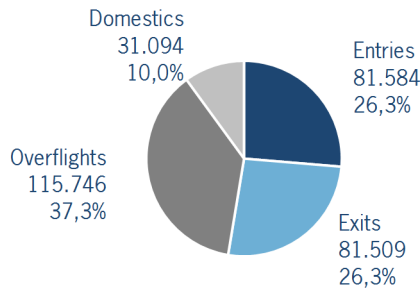
	JAN - OCT 2018	JAN - OCT 2017	Trend
Civil flights	2.810.873	2.710.147	3,7%
Military flights	36.443	37.692	-3,3%
Total	2.847.316	2.747.839	3,6%



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.

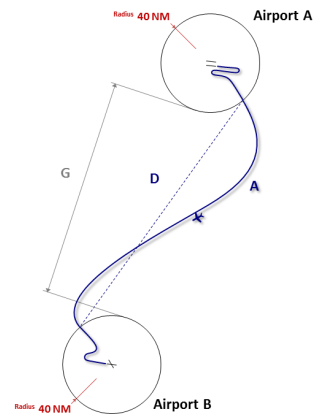


Please note: This count covers the traffic in the area build by all control sectors with a German designator („ED“), regardless of the service provider, including civil and military traffic in sectors controlled by DFS and Maastricht UAC (Maastricht-Hannover sectors). The area counted is composed of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

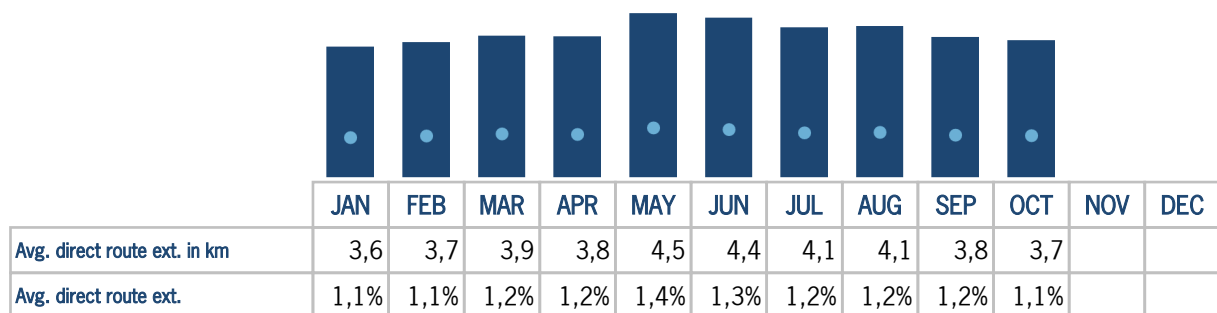
Direct route extension is defined as the difference between the length of the actual route (A) and the direct course (D) between the departure and arrival terminal areas (radius of 40 NM around the airport) or the national border where a flight enters or leaves German airspace. The direct route extension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

OCT 2018	
Evaluated traffic	276.521
Average actual route / flight	331,0 km
Average direct course / flight	327,3 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.



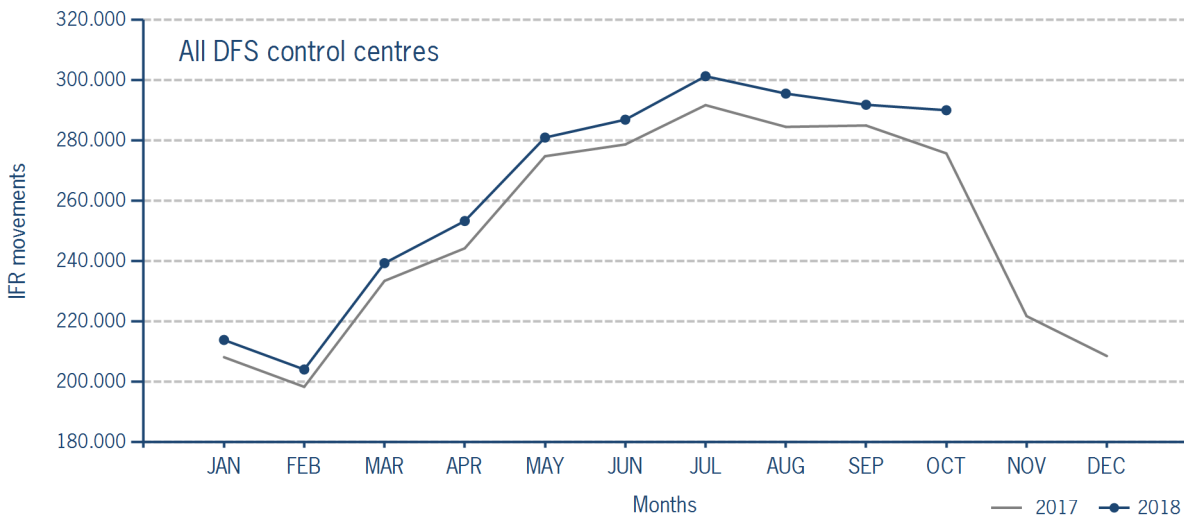
IFR flights controlled by DFS

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

	OCT 2018	OCT 2017	Trend
Civil flights	286.170	271.963	5,2%
Military flights	3.944	3.842	2,7%
Total	290.114	275.805	5,2%

	JAN - OCT 2018	JAN - OCT 2017	Trend
Civil flights	2.621.589	2.537.726	3,3%
Military flights	36.369	37.627	-3,3%
Total	2.657.958	2.575.353	3,2%

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.



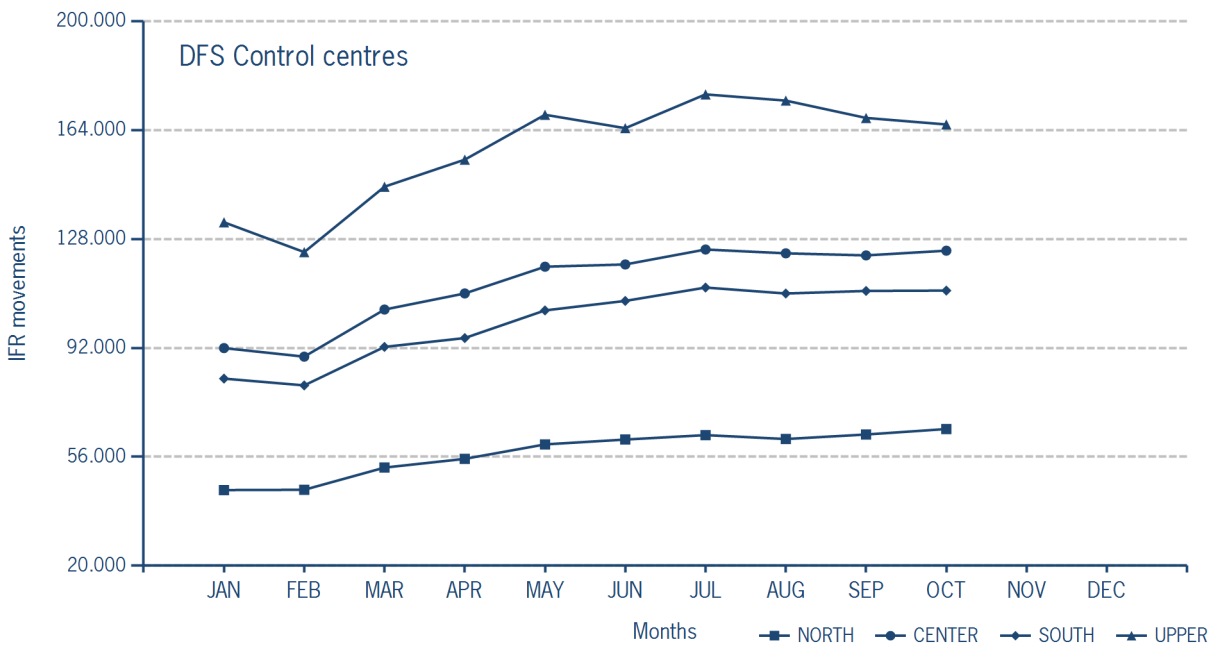
IFR flights controlled by DFS - in detail

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

	OCT 2018	OCT 2017	Trend
NORTH	65.189	60.083	8,5%
CENTER	124.134	117.583	5,6%
SOUTH	110.953	102.852	7,9%
UPPER	165.855	167.983	-1,3%

	JAN - OCT 2018	JAN - OCT 2017	Trend
NORTH	573.358	570.661	0,5%
CENTER	1.128.665	1.082.155	4,3%
SOUTH	1.004.708	956.381	5,1%
UPPER	1.573.810	1.579.888	-0,4%

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.

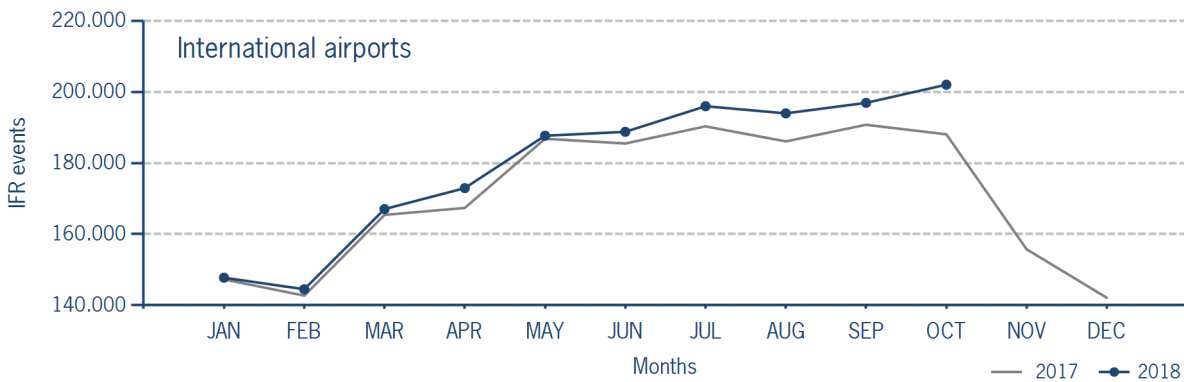
	OCT 2018	OCT 2017	Trend
International Airports	202.024	188.071	7,4%
Regional Airports	15.835	15.331	3,3%
Total	217.859	203.402	7,1%

	JAN - OCT 2018	JAN - OCT 2017	Trend
International Airports	1.797.589	1.750.292	2,7%
Regional Airports	143.808	138.213	4,0%
Total	1.941.397	1.888.505	2,8%

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

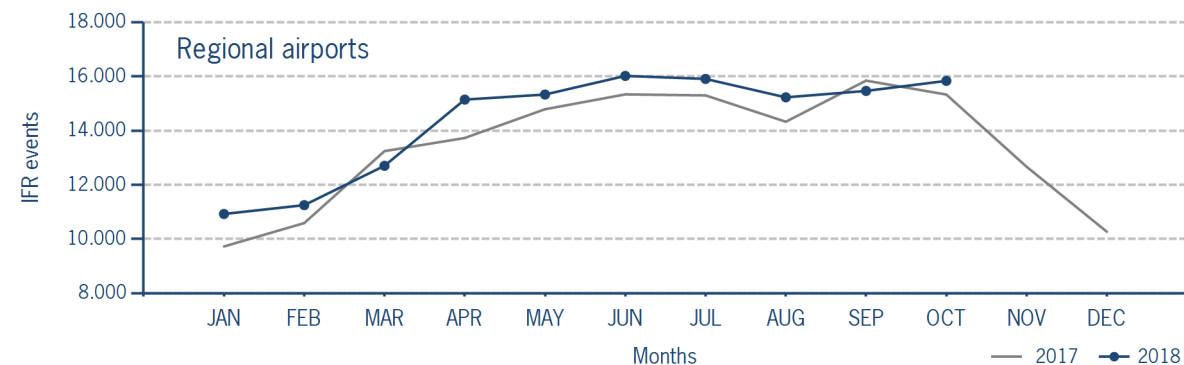
IFR flights at international German airports

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



IFR flights at regional German airports

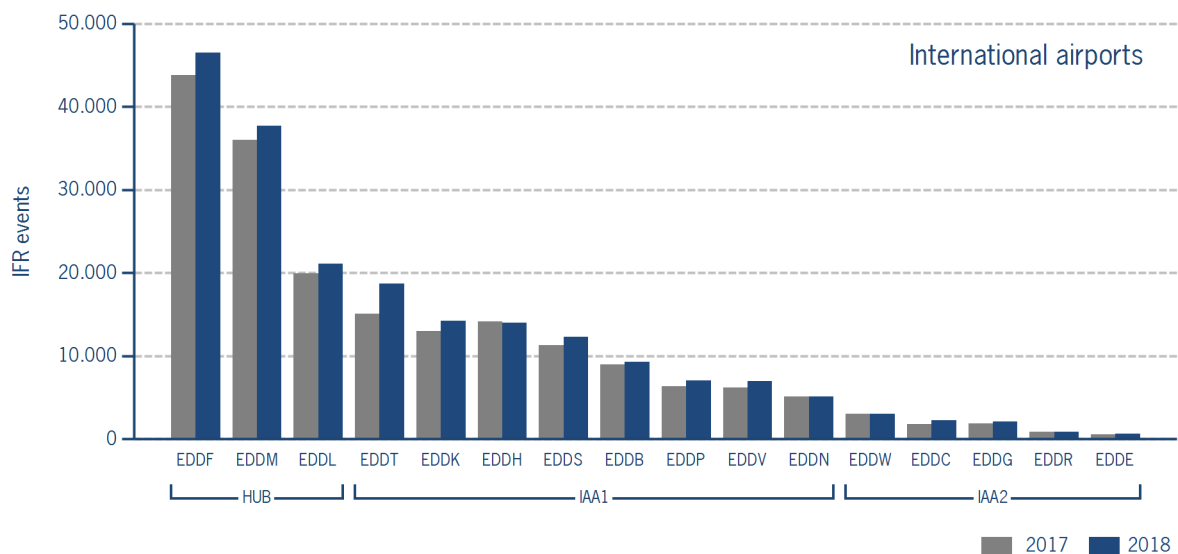
IFR events (take-offs and landings) at the different regional towers in the Federal Republic of Germany with control zone and barely any PPR.



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).

	OCT 2018	Trend	JAN - OCT 2018	Trend
HUB				
EDDF Frankfurt/Main	46.549	6,3%	432.337	7,8%
EDDL Düsseldorf	21.094	5,9%	183.274	-4,9%
EDDM München	37.733	4,9%	345.427	1,3%
IAA1				
EDDB Berlin-Schönefeld	9.321	4,2%	85.485	1,2%
EDDH Hamburg	14.039	-1,0%	125.240	-4,9%
EDDK Köln/Bonn	14.209	9,6%	121.753	2,6%
EDDN Nürnberg	5.121	-0,2%	46.236	1,7%
EDDP Leipzig/Halle	7.037	10,6%	62.613	14,5%
EDDS Stuttgart	12.288	8,9%	109.254	8,3%
EDDT Berlin-Tegel	18.706	23,7%	154.475	0,8%
EDDV Hannover	7.000	13,2%	56.608	5,8%
IAA2				
EDDC Dresden	2.267	23,5%	18.860	2,9%
EDDE Erfurt/Weimar	632	11,1%	4.795	-0,3%
EDDG Münster/Osnabrück	2.098	11,0%	16.543	5,1%
EDDR Saarbrücken	868	1,0%	7.926	0,9%
EDDW Bremen	3.062	-0,2%	26.763	2,7%

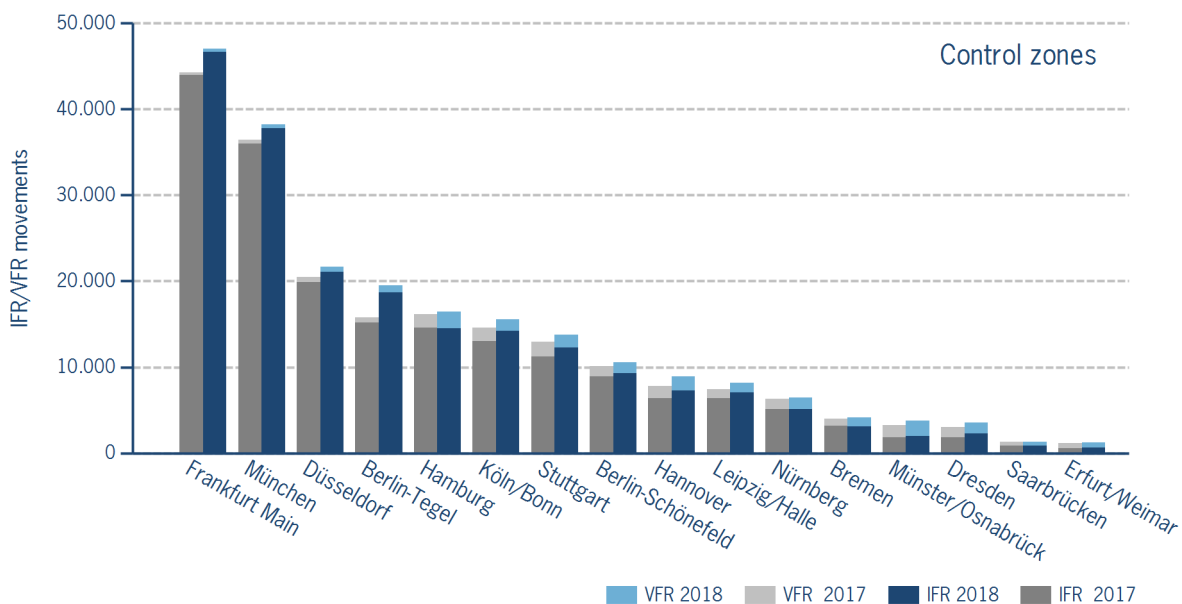


IFR/VFR flights in control zones of DFS towers

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

	OCT 2018	Trend	JAN - OCT 2018	Trend
Berlin-Schönefeld	10.593	4,4%	99.728	3,1%
Berlin-Tegel	19.502	23,5%	162.907	1,3%
Bremen	4.145	3,5%	39.119	3,4%
Dresden	3.539	16,7%	32.563	5,4%
Düsseldorf	21.686	5,7%	189.804	-4,9%
Erfurt/Weimar	1.205	2,4%	11.330	-3,2%
Frankfurt Main	47.009	6,2%	436.881	7,7%
Hamburg	16.485	2,0%	151.434	-2,7%
Hannover	8.948	15,1%	76.529	8,4%
Köln/Bonn	15.533	6,6%	136.345	2,0%
Leipzig/Halle	8.138	10,0%	75.241	11,7%
München	38.225	4,8%	350.631	1,4%
Münster/Osnabrück	3.765	14,9%	33.948	6,9%
Nürnberg	6.466	2,8%	59.288	2,9%
Saarbrücken	1.300	2,1%	12.959	-1,1%
Stuttgart	13.803	6,8%	124.743	7,0%

Additional information: Münster reported 190 glider movements for the current month, i.e. 2.434 glider movements for the cumulated year.



IFR flights at regional German airports - in detail

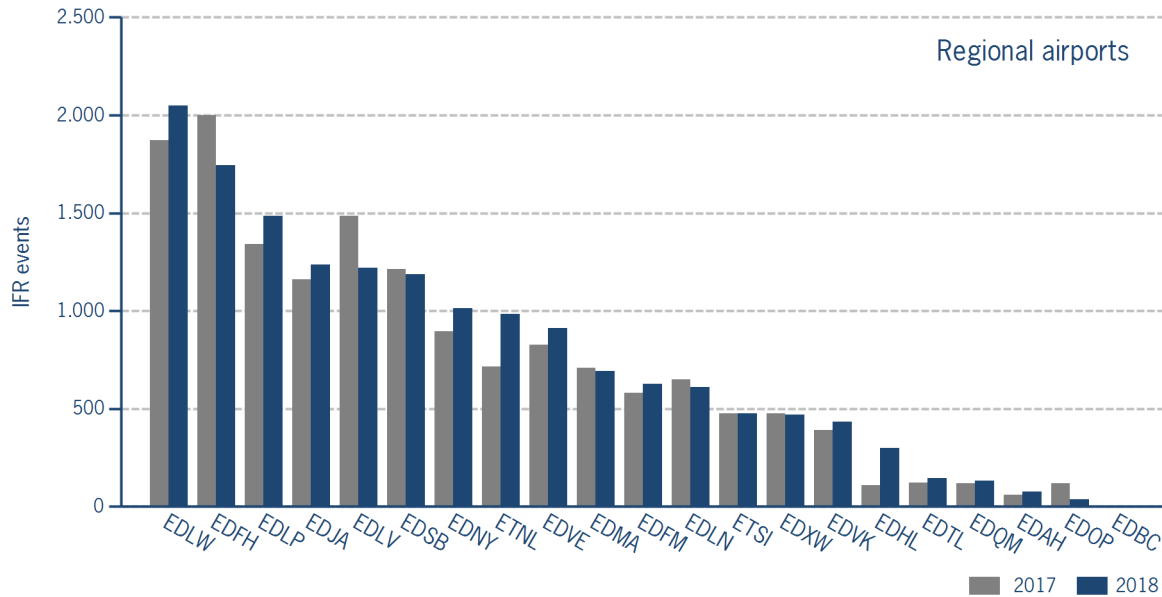
IFR events (take-offs and landings) at the different regional towers in the Federal Republic of Germany with control zone and barely any PPR.

		OCT 2018	Trend	JAN - OCT 2018	Trend
EDAH	Heringsdorf	78	25,8%	790	-0,5%
EDBC	Magdeburg/Cochstedt	0	N/A	1	-75,0%
EDFH	Frankfurt-Hahn	1.744	-12,8%	16.955	-4,4%
EDFM	Mannheim City	627	7,7%	5.763	6,5%
EDHL	Lübeck-Blankensee	300	170,3%	2.297	35,6%
EDJA	Memmingen	1.235	6,5%	11.609	18,6%
EDLN	Mönchengladbach	610	-6,3%	5.618	11,2%
EDLP	Paderborn/Lippstadt	1.487	10,8%	12.043	9,0%
EDLV	Niederrhein	1.220	-17,8%	10.798	-6,0%
EDLW	Dortmund	2.048	9,5%	18.876	10,9%
EDMA	Augsburg	692	-2,5%	5.944	-1,8%
EDNY	Friedrichshafen	1.014	13,2%	8.856	2,3%
EDOP	Schwerin-Parchim	36	-70,0%	465	-51,5%
EDQM	Hof-Plauen	131	9,2%	1.212	-6,4%
EDSB	Karlsruhe/Baden-Baden	1.186	-2,1%	10.728	-4,5%
EDTL	Lahr	147	20,5%	1.251	-4,6%
EDVE	Braunschweig-Wolfsburg	913	10,3%	8.180	-0,5%
EDVK	Kassel-Calden	434	10,7%	4.000	7,5%
EDXW	Sylt	470	-1,5%	5.498	5,4%
ETNL	Laage	985	38,0%	8.355	23,1%
ETSI	Ingolstadt/Manching	478	0,4%	4.569	-3,5%

*The value is of limited conclusiveness (OLC).

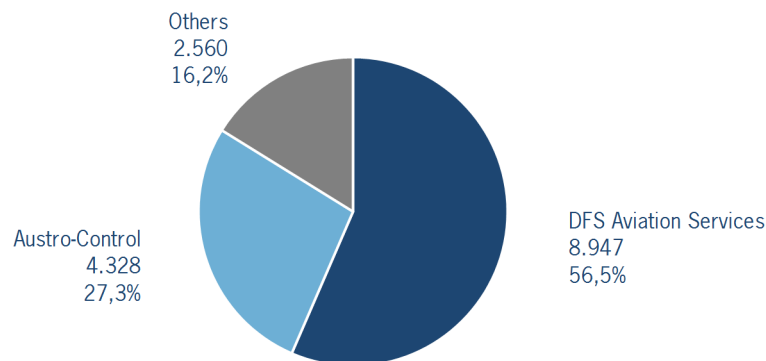
IFR flights at regional German airports - in detail

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)