



LIZ Air traffic statistics

MAY 2019

DFS Situation and Information Centre

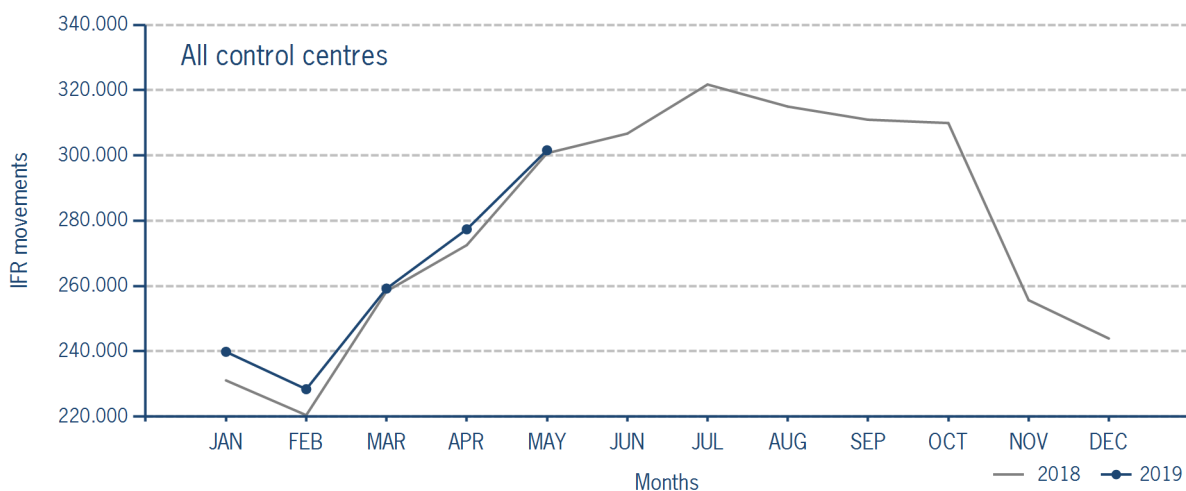
Version 05.06.2019

IFR flights in the Federal Republic of Germany

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

	MAY 2019	MAY 2018	Trend
Civil flights	297.871	297.066	0,3%
Military flights	3.711	3.619	2,5%
Total	301.582	300.685	0,3%

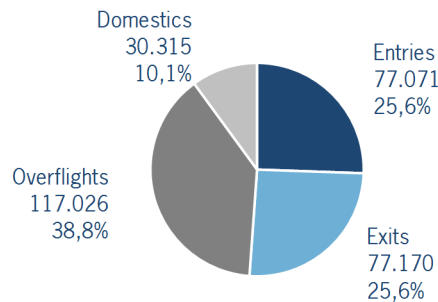
	JAN - MAY 2019	JAN - MAY 2018	Trend
Civil flights	1.289.581	1.265.726	1,9%
Military flights	16.761	17.296	-3,1%
Total	1.306.342	1.283.022	1,8%



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.

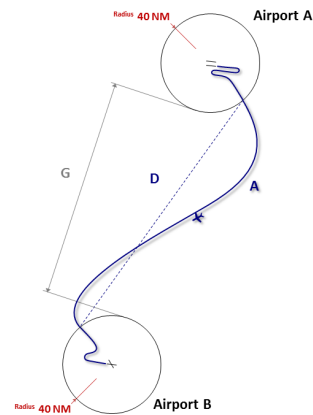


Please note: This count covers the traffic in the area build by all control sectors with a German designator („ED“), regardless of the service provider, including civil and military traffic in sectors controlled by DFS and Maastricht UAC (Maastricht-Hannover sectors). The area counted is composed of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

MAY 2019	
Evaluated traffic	270.957
Average actual route / flight	337,1 km
Average direct course / flight	333,2 km
Average direct route extension / flight	3,9 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	3,5	3,8	3,8	3,9	3,9							
Avg. direct route ext.	1,1%	1,2%	1,2%	1,2%	1,2%							

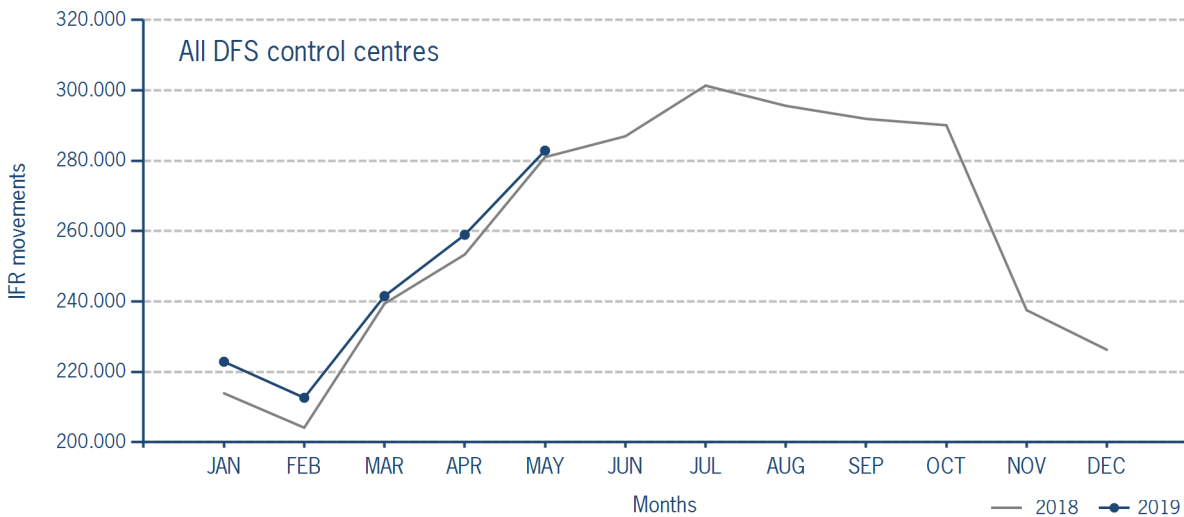
IFR flights controlled by DFS

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

	MAY 2019	MAY 2018	Trend
Civil flights	279.245	277.442	0,6%
Military flights	3.663	3.609	1,5%
Total	282.908	281.051	0,7%

	JAN - MAY 2019	JAN - MAY 2018	Trend
Civil flights	1.202.277	1.174.701	2,3%
Military flights	16.753	17.238	-2,8%
Total	1.219.030	1.191.939	2,3%

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.



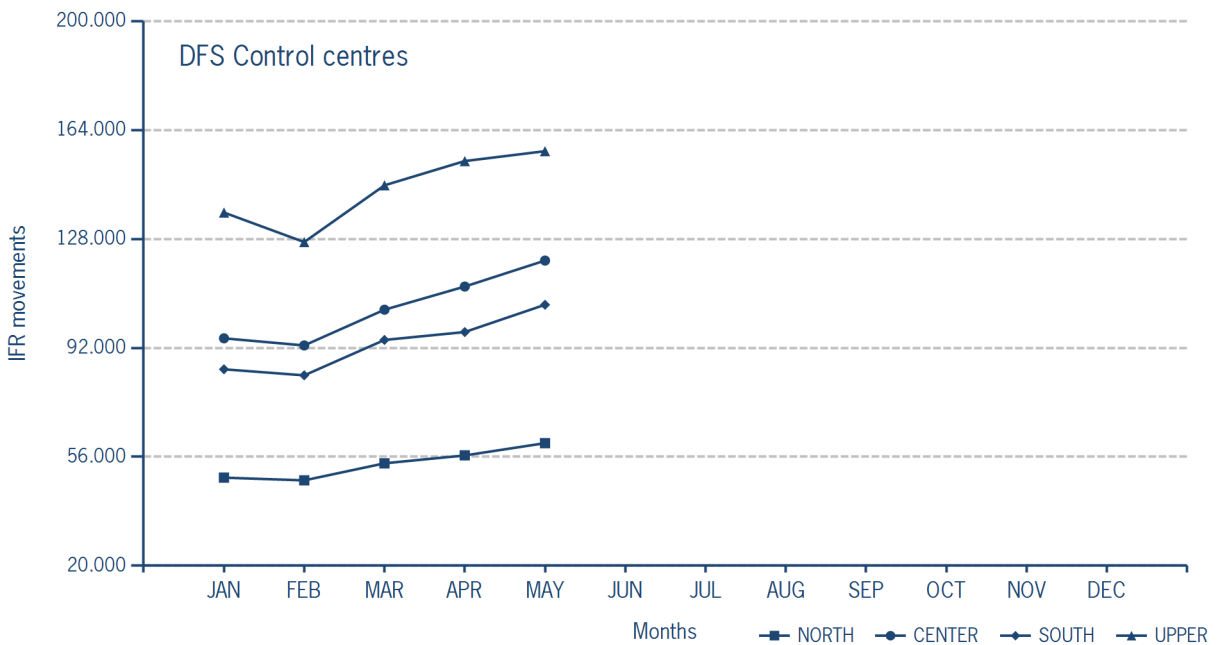
IFR flights controlled by DFS - in detail

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

	MAY 2019	MAY 2018	Trend
NORTH	60.523	60.110	0,7%
CENTER	120.871	118.839	1,7%
SOUTH	106.268	104.398	1,8%
UPPER	157.030	169.064	-7,1%

	JAN - MAY 2019	JAN - MAY 2018	Trend
NORTH	268.188	258.010	3,9%
CENTER	525.776	514.583	2,2%
SOUTH	466.020	453.461	2,8%
UPPER	720.277	725.768	-0,8%

Please note: The trend numbers compare counts of the airspaces in their current configuration to the count of the same airspace in 2018.



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.

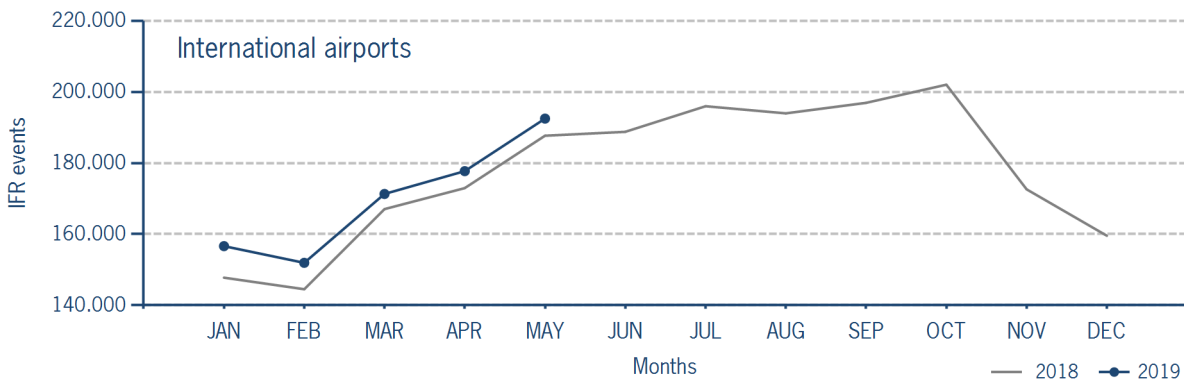
	MAY 2019	MAY 2018	Trend
International Airports	192.484	187.679	2,6%
Regional Airports	14.752	15.332	-3,8%
Total	207.236	203.011	2,1%

	JAN - MAY 2019	JAN - MAY 2018	Trend
International Airports	850.071	819.944	3,7%
Regional Airports	65.175	65.353	-0,3%
Total	915.246	885.297	3,4%

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

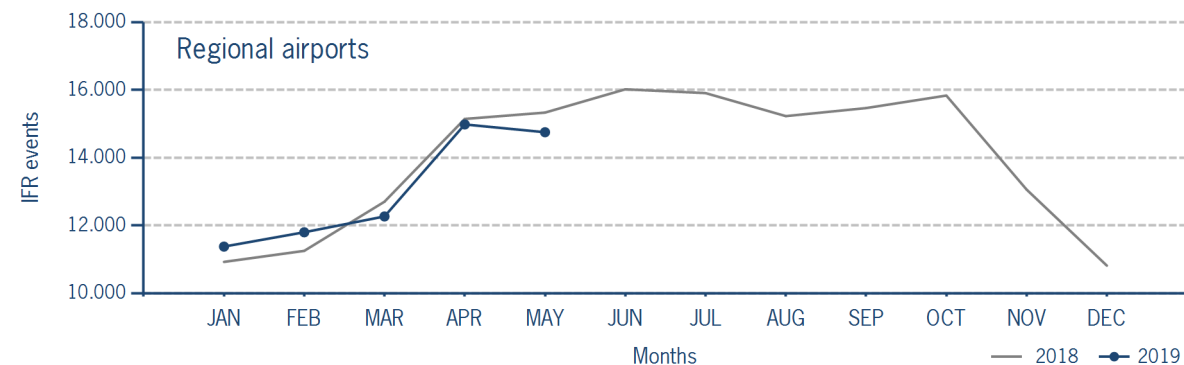
IFR flights at international German airports

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



IFR flights at regional German airports

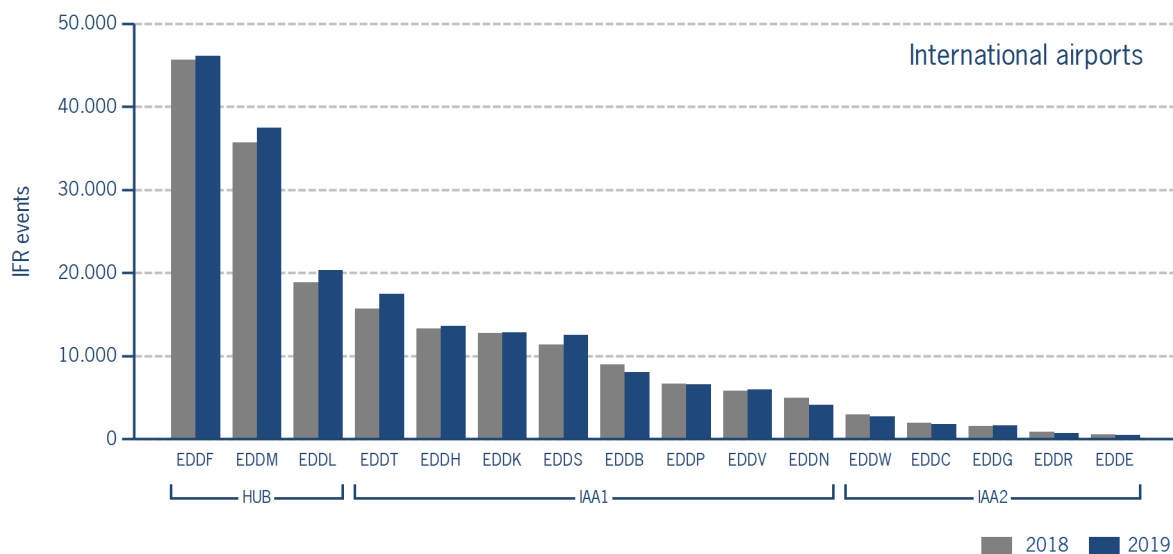
IFR events (take-offs and landings) at the different regional towers in the Federal Republic of Germany with control zone and barely any PPR.



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).

		MAY 2019	Trend	JAN - MAY 2019	Trend
HUB					
EDDF	Frankfurt/Main	46.160	1,0%	206.390	2,3%
EDDL	Düsseldorf	20.317	7,5%	89.958	9,8%
EDDM	München	37.464	4,9%	166.925	3,3%
IAA1					
EDDB	Berlin-Schönefeld	8.025	-10,3%	37.481	-7,4%
EDDH	Hamburg	13.641	2,4%	59.910	3,2%
EDDK	Köln/Bonn	12.820	0,6%	53.784	-0,7%
EDDN	Nürnberg	4.087	-18,2%	18.677	-8,9%
EDDP	Leipzig/Halle	6.600	-0,9%	30.331	4,8%
EDDS	Stuttgart	12.545	10,6%	51.328	5,9%
EDDT	Berlin-Tegel	17.485	11,5%	79.602	17,9%
EDDV	Hannover	5.956	3,1%	24.377	1,0%
IAA2					
EDDC	Dresden	1.797	-8,3%	8.063	-3,3%
EDDE	Erfurt/Weimar	453	-17,8%	1.744	-6,1%
EDDG	Münster/Osnabrück	1.648	3,2%	7.067	2,7%
EDDR	Saarbrücken	749	-13,4%	2.785	-19,4%
EDDW	Bremen	2.737	-6,7%	11.649	-2,4%

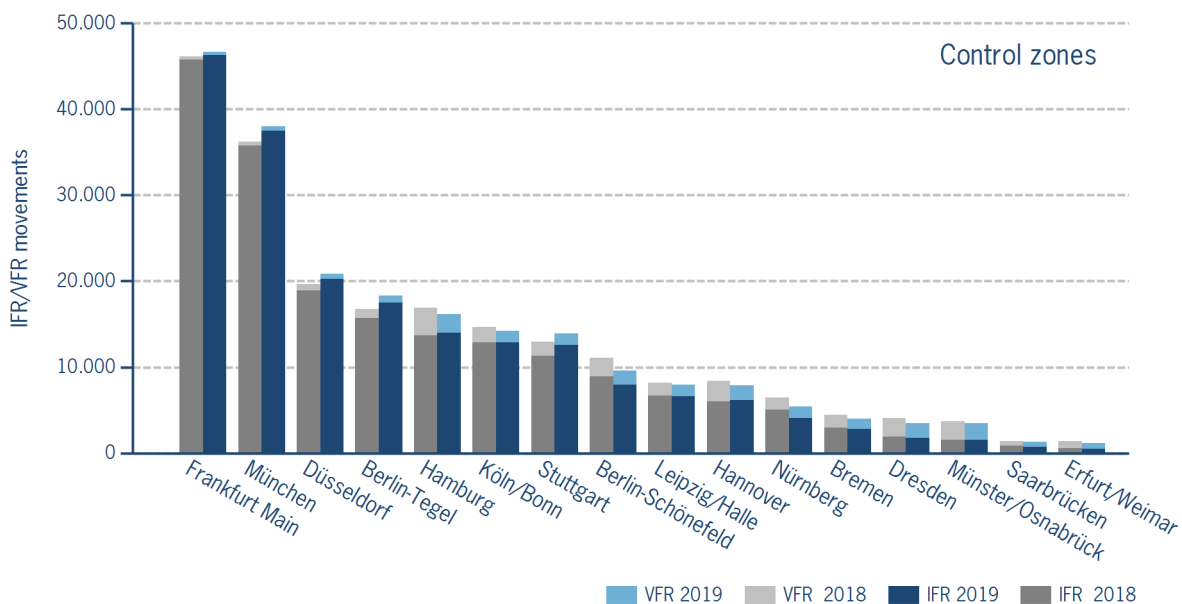


IFR/VFR flights in control zones of DFS towers

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

	MAY 2019	Trend	JAN - MAY 2019	Trend
Berlin-Schönefeld	9.572	-13,9%	43.271	-7,4%
Berlin-Tegel	18.291	9,4%	82.836	16,2%
Bremen	3.980	-9,8%	16.520	-4,7%
Dresden	3.495	-14,4%	13.181	-5,9%
Düsseldorf	20.874	6,3%	92.525	9,0%
Erfurt/Weimar	1.168	-13,9%	4.389	-6,2%
Frankfurt Main	46.651	1,1%	208.485	2,4%
Hamburg	16.141	-4,5%	69.661	1,2%
Hannover	7.854	-6,4%	32.460	-1,6%
Köln/Bonn	14.245	-2,7%	59.410	-2,2%
Leipzig/Halle	7.968	-2,4%	35.740	2,3%
München	37.991	4,9%	169.271	3,3%
Münster/Osnabrück	3.463	-6,0%	13.940	-4,7%
Nürnberg	5.384	-16,2%	24.066	-7,5%
Saarbrücken	1.296	-7,9%	4.461	-19,4%
Stuttgart	13.945	7,5%	57.214	4,0%

Additional information: Münster reported 558 glider movements for the current month, i.e. 1.364 glider movements for the cumulated year.



IFR flights at regional German airports - in detail

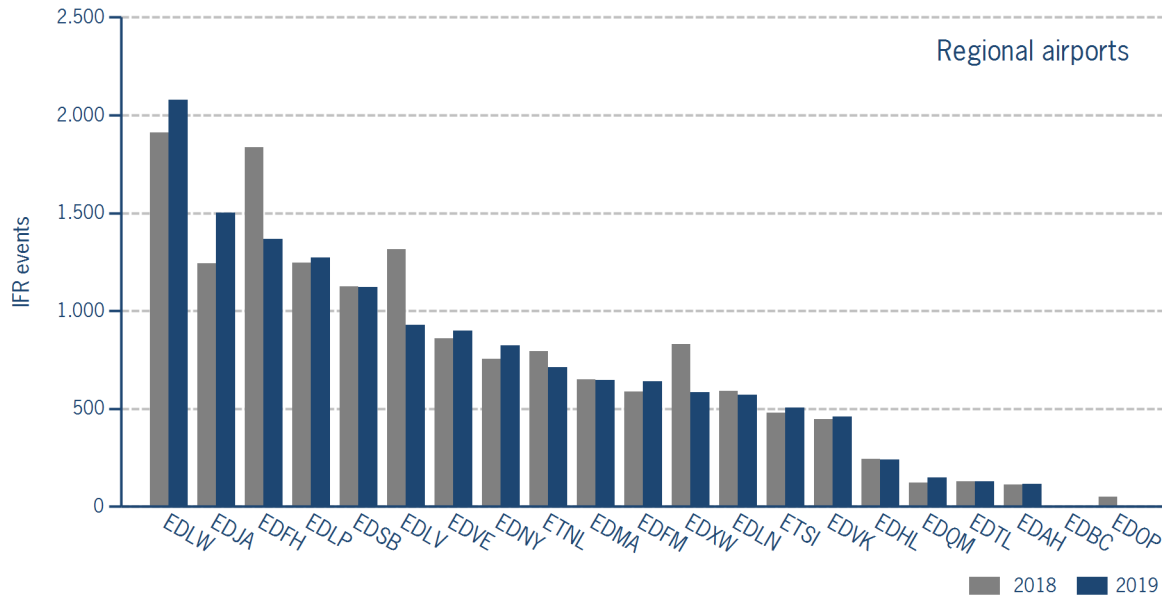
IFR events (take-offs and landings) at the different regional towers in the Federal Republic of Germany with control zone and barely any PPR.

		MAY 2019	Trend	JAN - MAY 2019	Trend
EDAH	Heringsdorf	116	1,8%	288	11,6%
EDBC	Magdeburg/Cochstedt	0	N/A	1	0,0%
EDFH	Frankfurt-Hahn	1.369	-25,4%	6.924	-15,8%
EDFM	Mannheim City	639	8,5%	2.819	7,0%
EDHL	Lübeck-Blankensee	241	-0,8%	1.180	37,4%
EDJA	Memmingen	1.503	20,8%	6.164	17,6%
EDLN	Mönchengladbach	572	-3,1%	2.580	-4,3%
EDLP	Paderborn/Lippstadt	1.272	2,2%	5.141	4,3%
EDLV	Niederrhein	928	-29,5%	3.643	-26,2%
EDLW	Dortmund	2.080	8,7%	9.420	7,9%
EDMA	Augsburg	647	-0,3%	2.815	-0,4%
EDNY	Friedrichshafen	824	9,1%	4.624	9,9%
EDOP	Schwerin-Parchim	0	-100,0%	24	-90,8%
EDQM	Hof-Plauen	149	20,2%	610	18,2%
EDSB	Karlsruhe/Baden-Baden	1.122	-0,4%	4.666	0,5%
EDTL	Lahr	129	-0,8%	646	4,9%
EDVE	Braunschweig-Wolfsburg	899	4,7%	3.994	-1,7%
EDVK	Kassel-Calden	459	2,9%	1.750	-6,2%
EDXW	Sylt	583	-29,8%	1.905	-6,3%
ETNL	Laage	713	-10,1%	3.555	0,7%
ETSI	Ingolstadt/Manching	507	5,6%	2.426	6,5%

*The value is of limited conclusiveness (OLC).

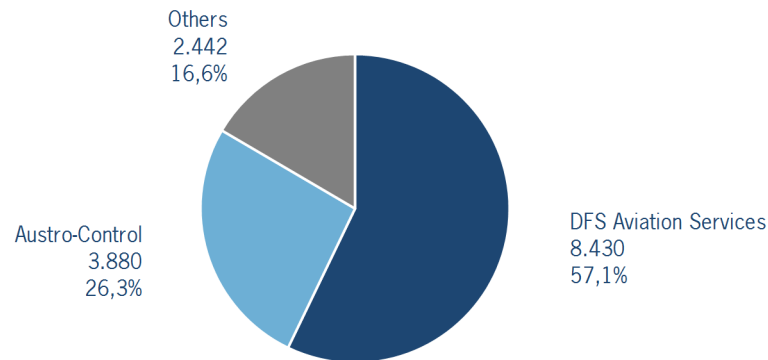
IFR flights at regional German airports - in detail

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)