



LIZ Air traffic statistics

FEB 2019

DFS Situation and Information Centre

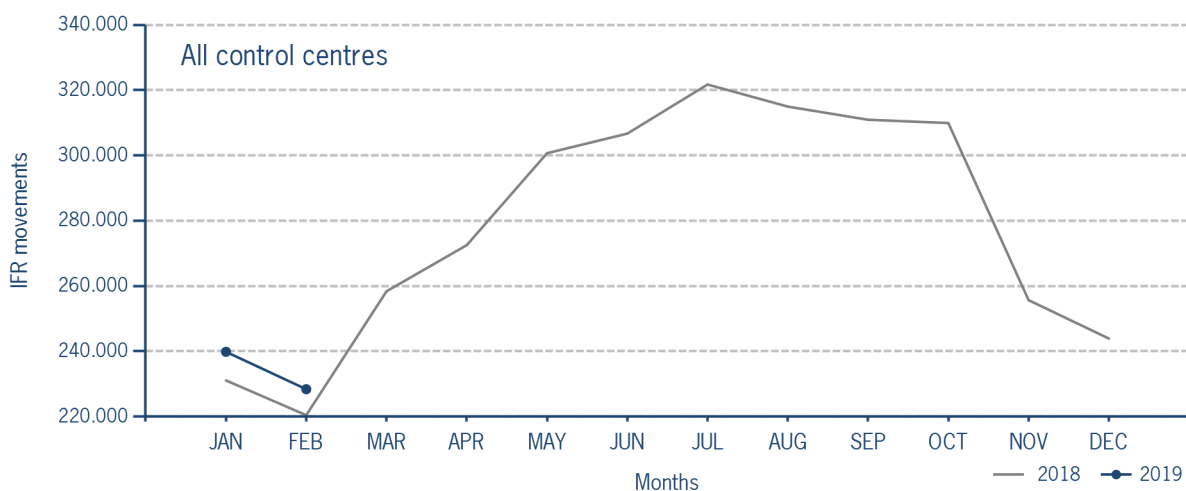
Version 06.03.2019

IFR flights in the Federal Republic of Germany

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

	FEB 2019	FEB 2018	Trend
Civil flights	225.149	217.340	3,6%
Military flights	3.215	3.059	5,1%
Total	228.364	220.399	3,6%

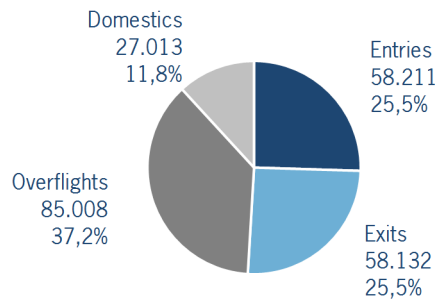
	JAN - FEB 2019	JAN - FEB 2018	Trend
Civil flights	461.812	445.007	3,8%
Military flights	6.380	6.445	-1,0%
Total	468.192	451.452	3,7%



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.

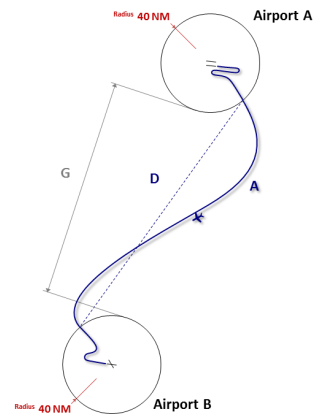


Please note: This count covers the traffic in the area build by all control sectors with a German designator („ED“), regardless of the service provider, including civil and military traffic in sectors controlled by DFS and Maastricht UAC (Maastricht-Hannover sectors). The area counted is composed of 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 2019	
Evaluated traffic	204.449
Average actual route / flight	329,8 km
Average direct course / flight	326,1 km
Average direct route extension / flight	3,8 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										
Avg. direct route ext.	1,1%	1,2%										

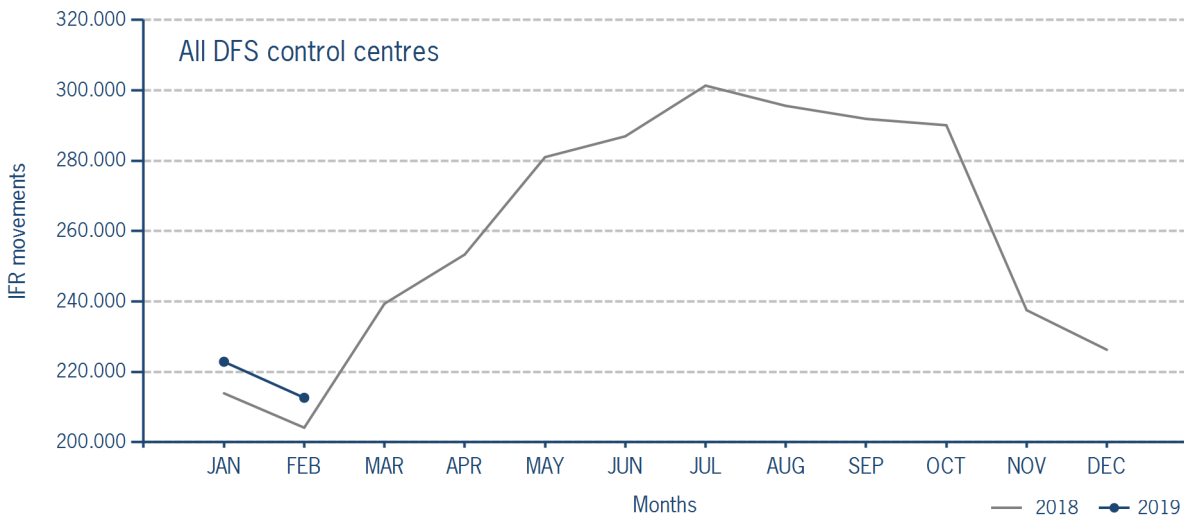
IFR flights controlled by DFS

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

	FEB 2019	FEB 2018	Trend
Civil flights	209.444	201.134	4,1%
Military flights	3.222	3.025	6,5%
Total	212.666	204.159	4,2%

	JAN - FEB 2019	JAN - FEB 2018	Trend
Civil flights	429.157	411.696	4,2%
Military flights	6.412	6.406	0,1%
Total	435.569	418.102	4,2%

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.



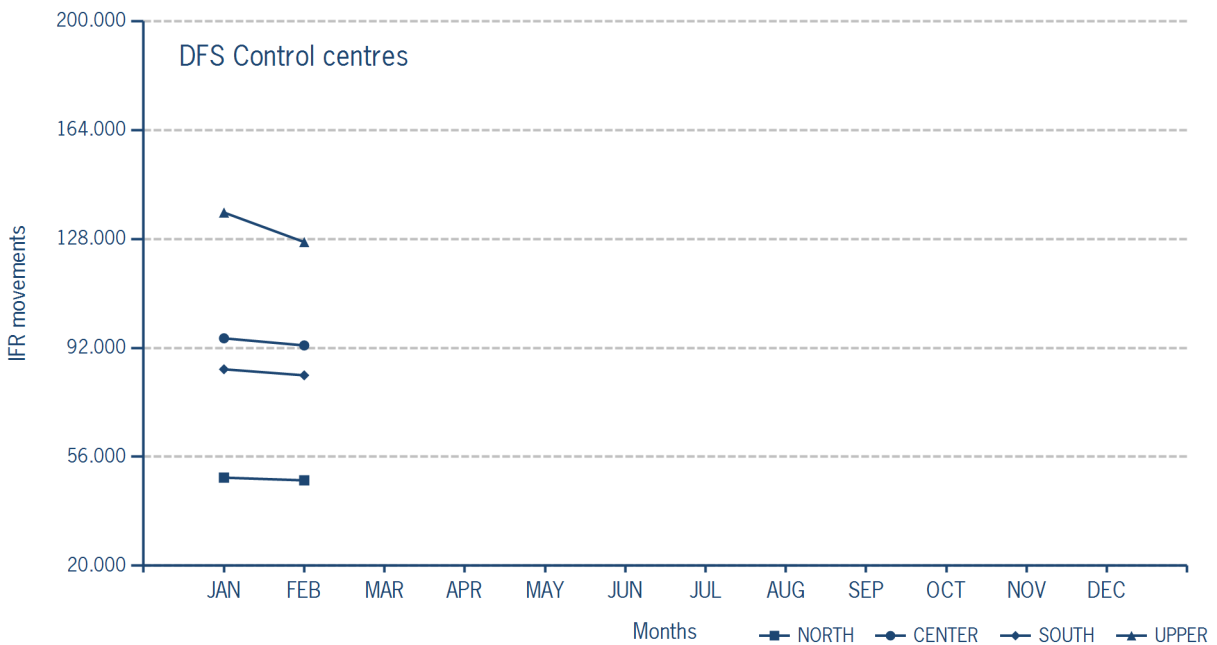
IFR flights controlled by DFS - in detail

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

	FEB 2019	FEB 2018	Trend
NORTH	48.220	45.104	6,9%
CENTER	92.820	89.115	4,2%
SOUTH	82.935	79.610	4,2%
UPPER	126.992	123.663	2,7%

	JAN - FEB 2019	JAN - FEB 2018	Trend
NORTH	97.344	90.124	8,0%
CENTER	187.992	181.056	3,8%
SOUTH	167.870	161.467	4,0%
UPPER	263.737	257.189	2,5%

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.

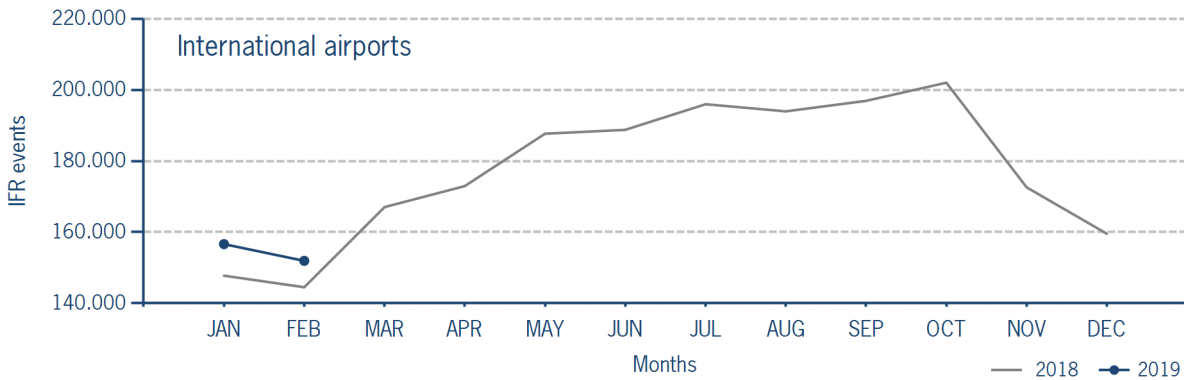
	FEB 2019	FEB 2018	Trend
International Airports	151.938	144.512	5,1%
Regional Airports	11.799	11.250	4,9%
Total	163.737	155.762	5,1%

	JAN - FEB 2019	JAN - FEB 2018	Trend
International Airports	308.569	292.276	5,6%
Regional Airports	23.175	22.174	4,5%
Total	331.744	314.450	5,5%

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

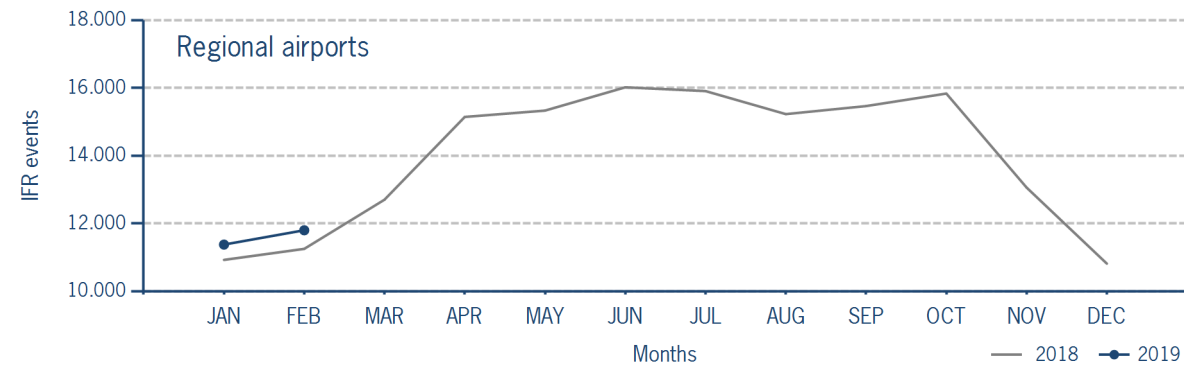
IFR flights at international German airports

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



IFR flights at regional German airports

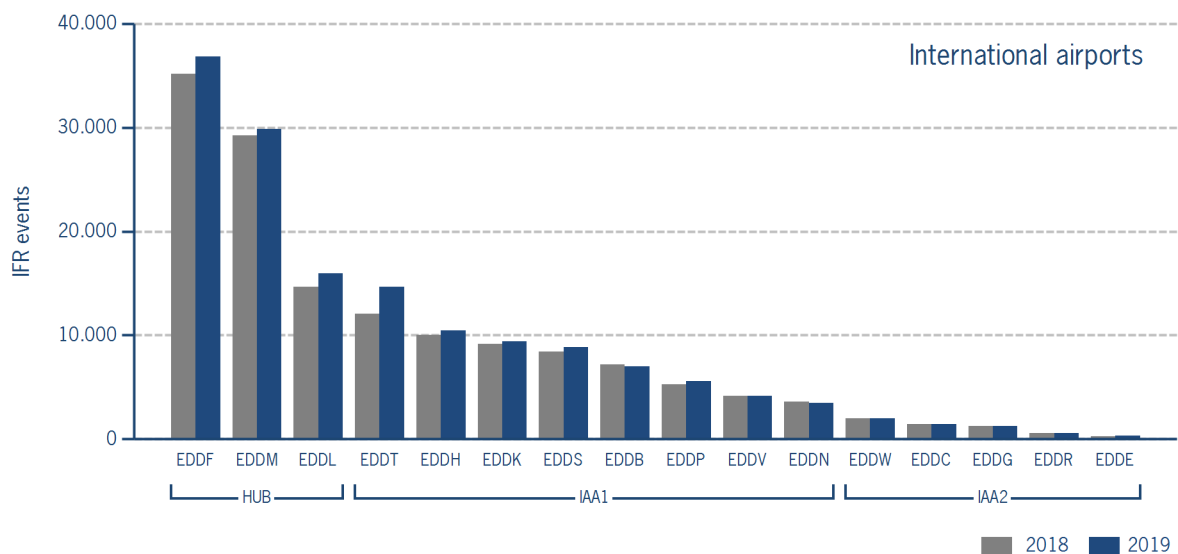
IFR events (take-offs and landings) at the different regional towers in the Federal Republic of Germany with control zone and barely any PPR.



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 2019	Trend	JAN - FEB 2019	Trend
HUB					
EDDF	Frankfurt/Main	36.840	4,7%	74.515	3,5%
EDDL	Düsseldorf	15.964	9,1%	32.840	11,7%
EDDM	München	29.870	2,2%	61.153	2,8%
IAA1					
EDDB	Berlin-Schönefeld	7.019	-2,3%	14.084	-2,8%
EDDH	Hamburg	10.458	4,1%	21.396	3,7%
EDDK	Köln/Bonn	9.432	2,7%	19.286	1,1%
EDDN	Nürnberg	3.495	-2,4%	7.104	-0,9%
EDDP	Leipzig/Halle	5.594	6,5%	11.318	5,2%
EDDS	Stuttgart	8.823	4,4%	17.578	5,3%
EDDT	Berlin-Tegel	14.645	21,4%	29.570	26,0%
EDDV	Hannover	4.164	0,8%	8.395	1,9%
IAA2					
EDDC	Dresden	1.454	1,9%	2.987	4,8%
EDDE	Erfurt/Weimar	314	6,8%	626	17,4%
EDDG	Münster/Osnabrück	1.266	-0,4%	2.476	3,7%
EDDR	Saarbrücken	590	1,0%	1.178	-0,9%
EDDW	Bremen	2.010	0,7%	4.063	3,5%

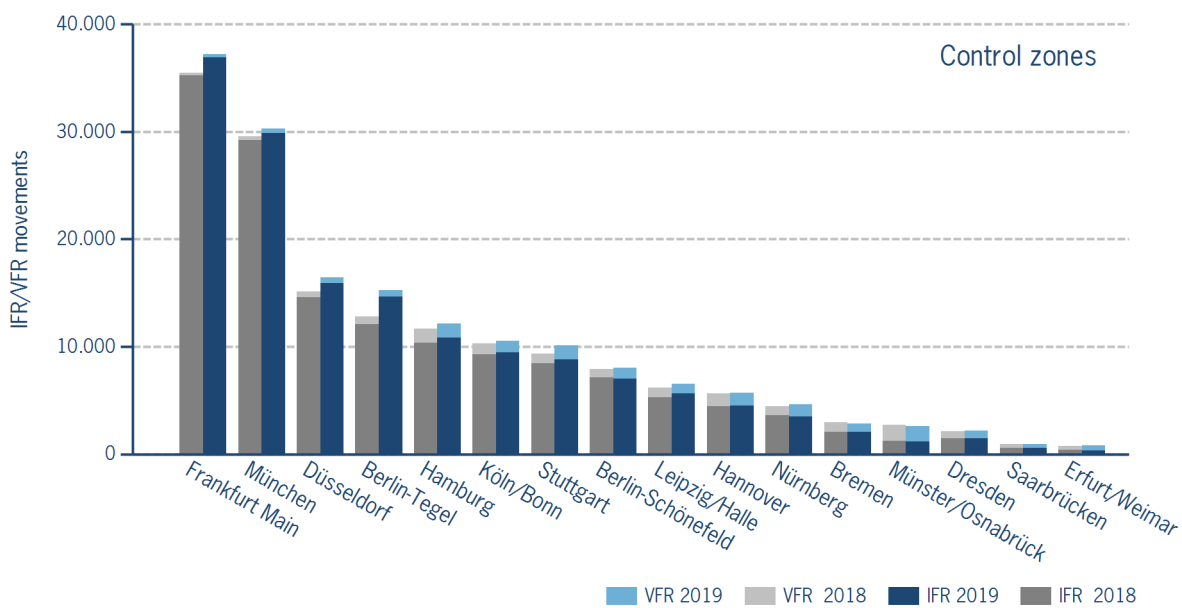


IFR/VFR flights in control zones of DFS towers

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

	FEB 2019	Trend	JAN - FEB 2019	Trend
Berlin-Schönefeld	8.024	1,5%	15.763	0,2%
Berlin-Tegel	15.229	19,1%	30.608	24,0%
Bremen	2.831	-4,3%	5.521	-0,5%
Dresden	2.187	2,1%	4.238	3,3%
Düsseldorf	16.451	8,5%	33.722	11,0%
Erfurt/Weimar	791	9,9%	1.397	9,8%
Frankfurt Main	37.226	5,0%	75.230	3,7%
Hamburg	12.133	3,7%	24.367	4,1%
Hannover	5.722	1,6%	11.116	2,1%
Köln/Bonn	10.538	2,3%	21.038	-0,5%
Leipzig/Halle	6.514	5,7%	12.925	5,0%
München	30.313	2,5%	61.956	2,9%
Münster/Osnabrück	2.604	-5,0%	4.553	-5,7%
Nürnberg	4.630	3,5%	8.765	0,5%
Saarbrücken	952	-0,4%	1.820	1,8%
Stuttgart	10.102	7,9%	19.482	5,4%

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

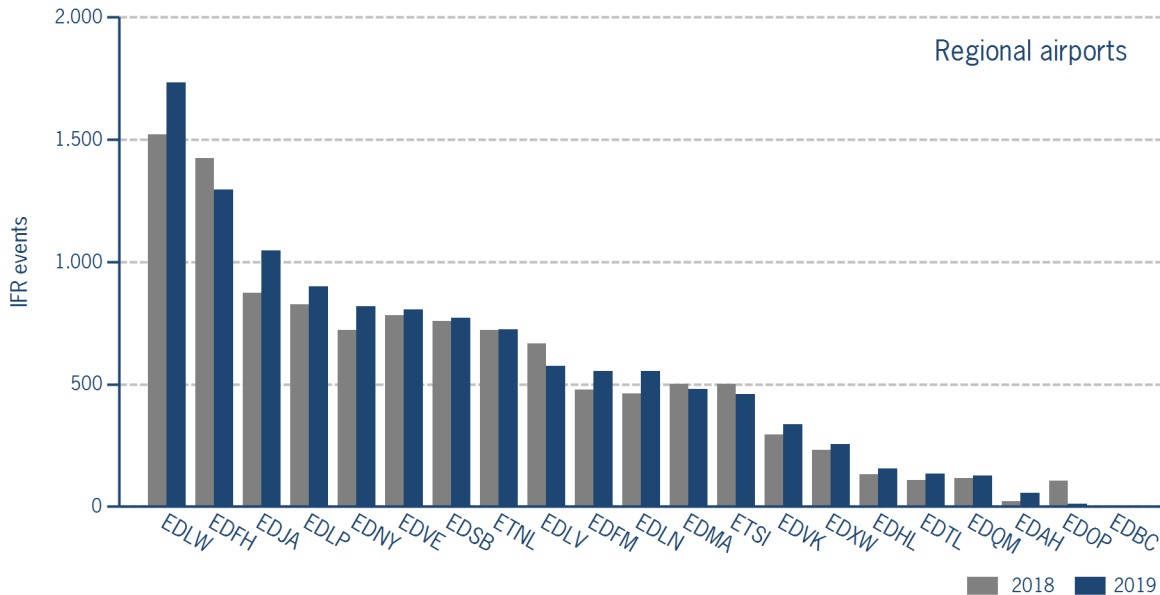
IFR events (take-offs and landings) at the different regional towers in the Federal Republic of Germany with control zone and barely any PPR.

		FEB 2019	Trend	JAN - FEB 2019	Trend
EDAH	Heringsdorf	56	154,5%	96	95,9%
EDBC	Magdeburg/Cochstedt	0	N/A	1	
EDFH	Frankfurt-Hahn	1.297	-9,0%	2.673	-7,3%
EDFM	Mannheim City	555	16,4%	986	6,5%
EDHL	Lübeck-Blankensee	157	19,8%	400	86,0%
EDJA	Memmingen	1.048	20,0%	2.141	15,2%
EDLN	Mönchengladbach	553	19,7%	987	-2,1%
EDLP	Paderborn/Lippstadt	901	8,8%	1.787	11,1%
EDLV	Niederrhein	574	-13,8%	1.164	-17,4%
EDLW	Dortmund	1.733	13,9%	3.503	12,0%
EDMA	Augsburg	481	-4,0%	847	-7,0%
EDNY	Friedrichshafen	818	13,1%	1.571	8,7%
EDOP	Schwerin-Parchim	11	-89,6%	19	-87,0%
EDQM	Hof-Plauen	128	9,4%	215	23,6%
EDSB	Karlsruhe/Baden-Baden	771	1,7%	1.578	1,2%
EDTL	Lahr	135	25,0%	230	6,5%
EDVE	Braunschweig-Wolfsburg	806	3,2%	1.463	-0,5%
EDVK	Kassel-Calden	336	14,3%	572	-2,4%
EDXW	Sylt	255	10,4%	531	19,6%
ETNL	Laage	725	0,4%	1.522	20,0%
ETSI	Ingolstadt/Manching	459	-8,7%	889	2,5%

*The value is of limited conclusiveness (OLC).

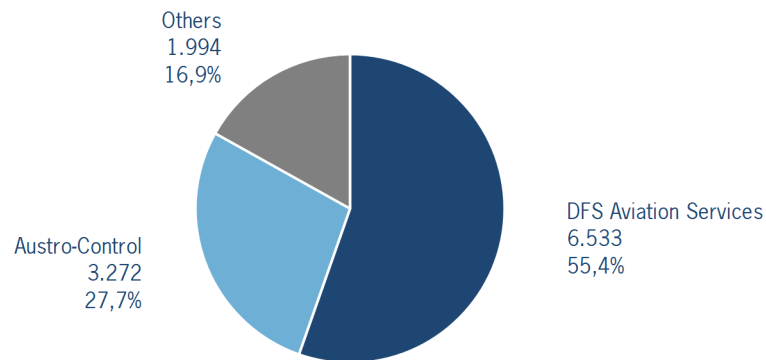
IFR flights at regional German airports - in detail

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)