



LIZ Air traffic statistics

DFS Situation and Information Centre

JUL 2019

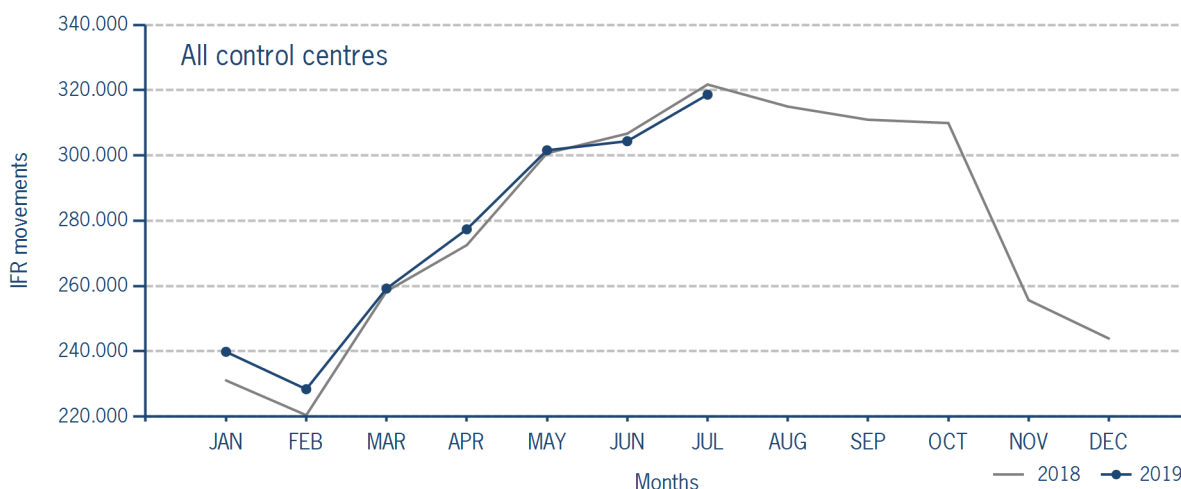
Version 05.08.2019

IFR flights in the Federal Republic of Germany

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

	JUL 2019	JUL 2018	Trend
Civil flights	314.811	317.873	-1,0%
Military flights	3.824	3.871	-1,2%
Total	318.635	321.744	-1,0%

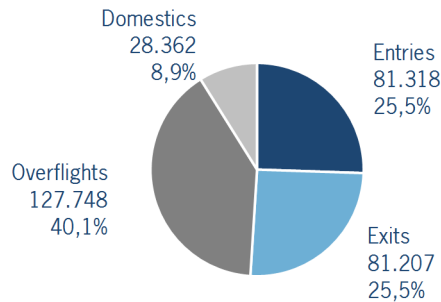
	JAN - JUL 2019	JAN - JUL 2018	Trend
Civil flights	1.904.956	1.886.230	1,0%
Military flights	24.395	25.231	-3,3%
Total	1.929.351	1.911.461	0,9%



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.

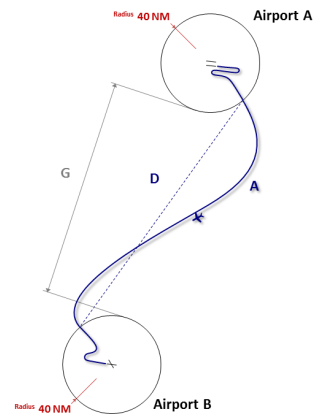


Please note: This count covers the traffic in the area build by all control sectors with a German designator („ED“), regardless of the service provider, including civil and military traffic in sectors controlled by DFS and Maastricht UAC (Maastricht-Hannover sectors). The area counted is composed of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

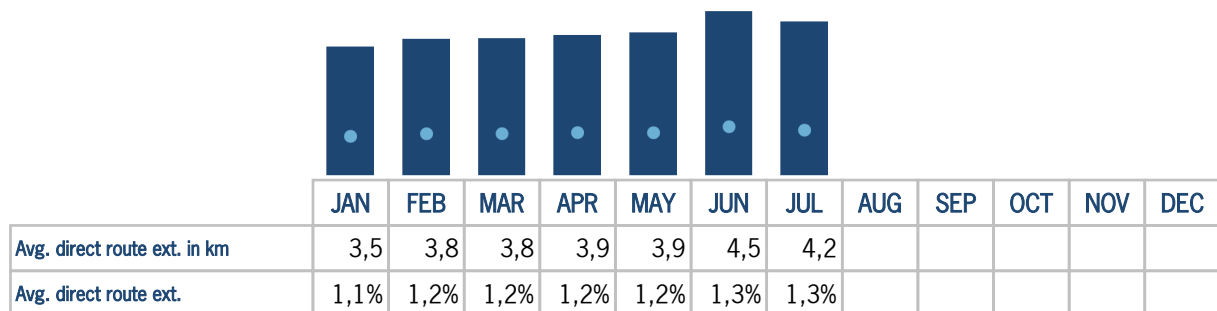
Direct route extension is defined as the difference between the length of the actual route (A) and the direct course (D) between the departure and arrival terminal areas (radius of 40 NM around the airport) or the national border where a flight enters or leaves German airspace. The direct route extension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

JUL 2019	
Evaluated traffic	286.793
Average actual route / flight	342,6 km
Average direct course / flight	338,4 km
Average direct route extension / flight	4,2 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.



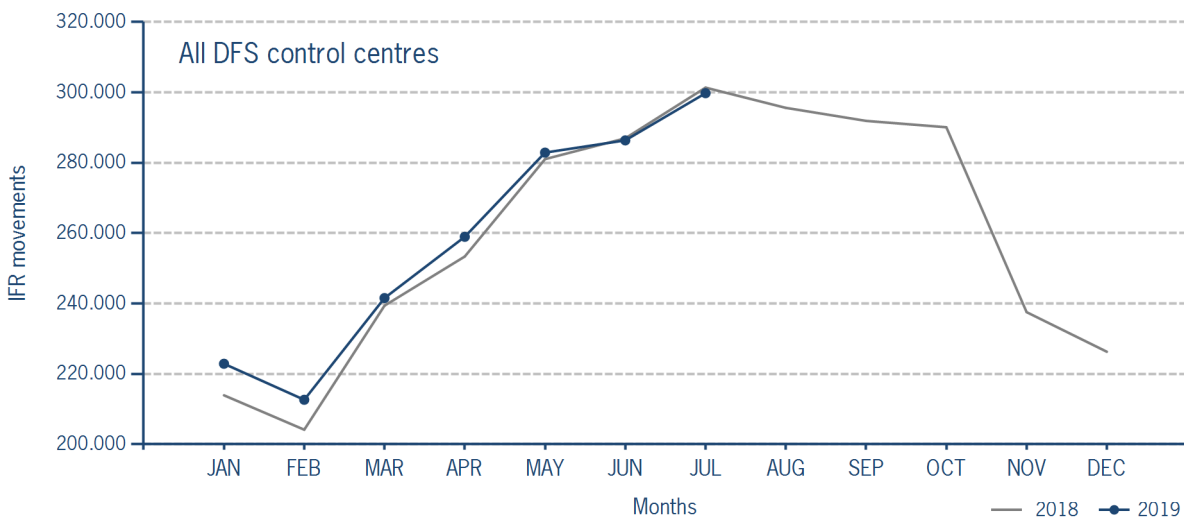
IFR flights controlled by DFS

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

	JUL 2019	JUL 2018	Trend
Civil flights	295.935	297.492	-0,5%
Military flights	3.856	3.891	-0,9%
Total	299.791	301.383	-0,5%

	JAN - JUL 2019	JAN - JUL 2018	Trend
Civil flights	1.780.807	1.755.136	1,5%
Military flights	24.397	25.163	-3,0%
Total	1.805.204	1.780.299	1,4%

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.



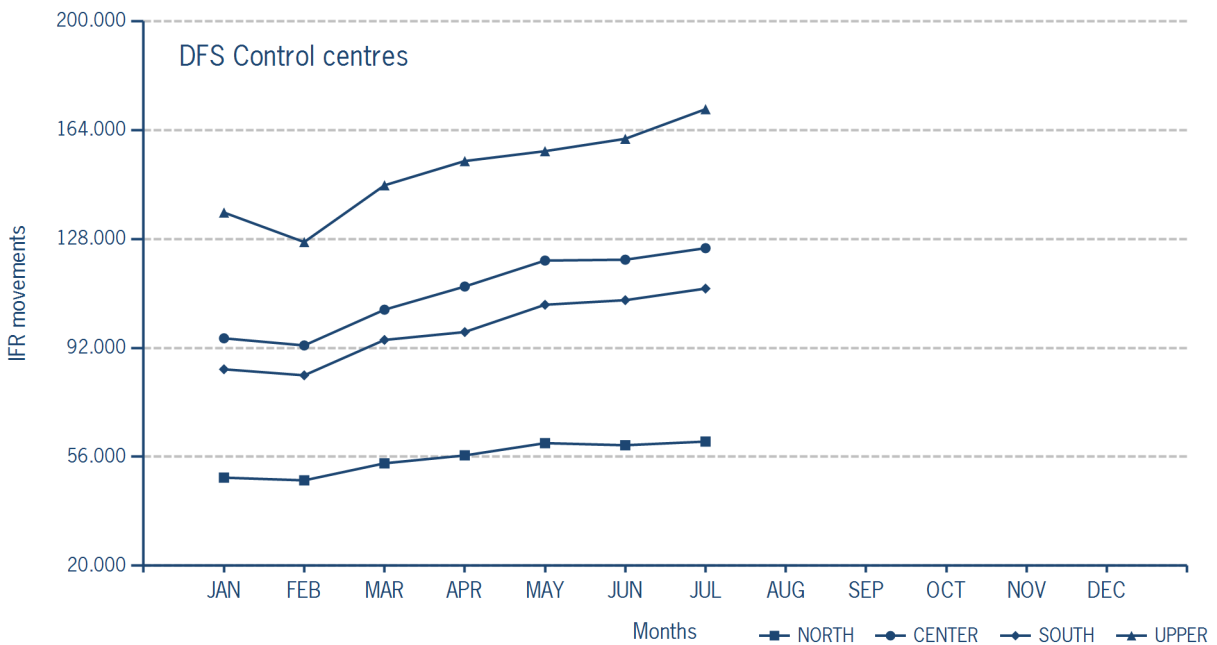
IFR flights controlled by DFS - in detail

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

	JUL 2019	JUL 2018	Trend
NORTH	61.045	63.182	-3,4%
CENTER	124.974	124.527	0,4%
SOUTH	111.613	111.951	-0,3%
UPPER	170.909	175.803	-2,8%

	JAN - JUL 2019	JAN - JUL 2018	Trend
NORTH	389.070	382.904	1,6%
CENTER	771.903	758.695	1,7%
SOUTH	685.415	672.951	1,9%
UPPER	1.052.299	1.066.202	-1,3%

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.

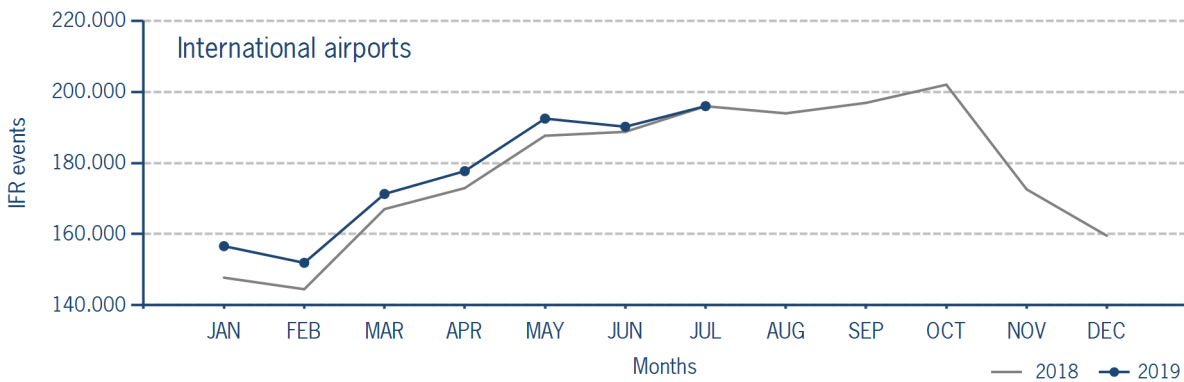
	JUL 2019	JUL 2018	Trend
International Airports	196.005	195.968	0,0%
Regional Airports	14.911	15.908	-6,3%
Total	210.916	211.876	-0,5%

	JAN - JUL 2019	JAN - JUL 2018	Trend
International Airports	1.236.280	1.204.684	2,6%
Regional Airports	94.629	97.280	-2,7%
Total	1.330.909	1.301.964	2,2%

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

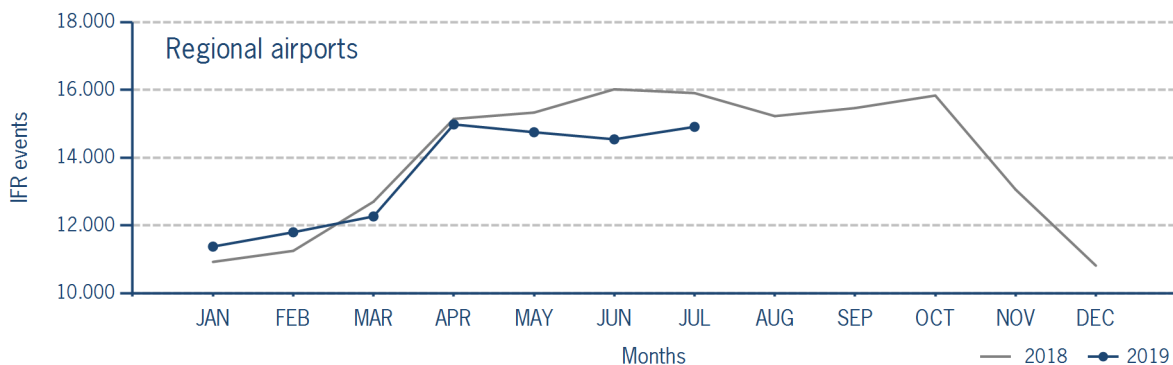
IFR flights at international German airports

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



IFR flights at regional German airports

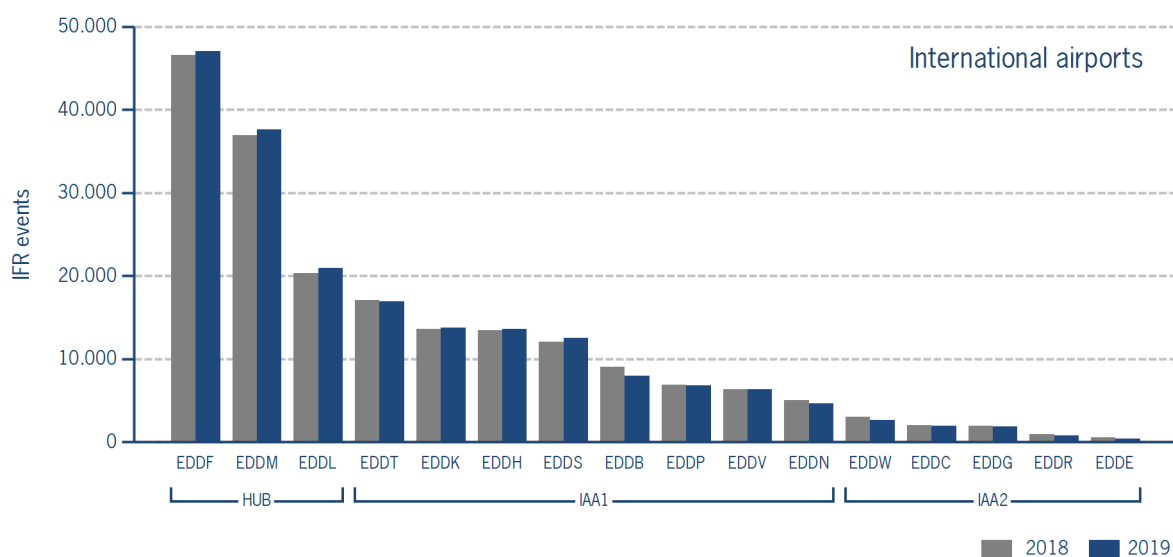
IFR events (take-offs and landings) at the different regional towers in the Federal Republic of Germany with control zone and barely any PPR.



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 2019	Trend	JAN - JUL 2019	Trend
HUB					
EDDF	Frankfurt/Main	47.079	1,0%	299.333	2,0%
EDDL	Düsseldorf	20.947	3,0%	130.977	7,8%
EDDM	München	37.595	1,8%	240.888	2,7%
IAA1					
EDDB	Berlin-Schönefeld	8.015	-11,4%	53.571	-8,2%
EDDH	Hamburg	13.633	1,4%	86.735	2,8%
EDDK	Köln/Bonn	13.755	1,2%	80.456	0,1%
EDDN	Nürnberg	4.647	-7,5%	27.890	-8,8%
EDDP	Leipzig/Halle	6.783	-1,5%	43.515	2,7%
EDDS	Stuttgart	12.544	4,1%	76.414	5,5%
EDDT	Berlin-Tegel	16.952	-0,7%	113.456	12,7%
EDDV	Hannover	6.332	-0,6%	36.734	-0,2%
IAA2					
EDDC	Dresden	1.938	-5,6%	11.803	-4,5%
EDDE	Erfurt/Weimar	431	-26,8%	2.632	-12,6%
EDDG	Münster/Osnabrück	1.863	-5,9%	10.549	-1,0%
EDDR	Saarbrücken	824	-11,6%	4.436	-16,2%
EDDW	Bremen	2.667	-11,9%	16.891	-5,4%

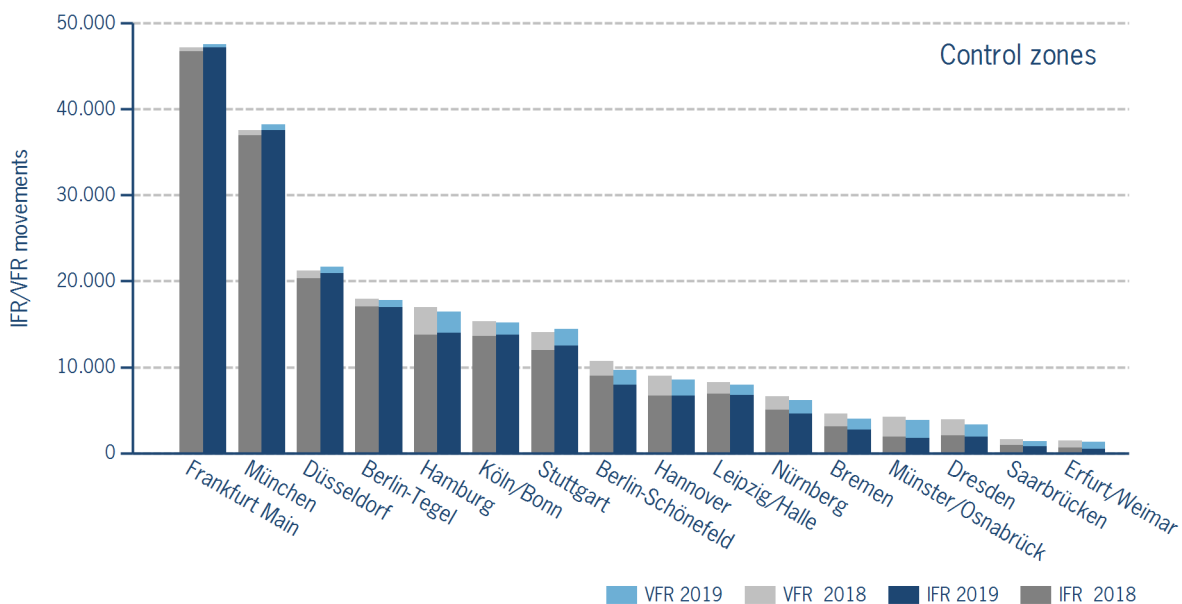


IFR/VFR flights in control zones of DFS towers

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

	JUL 2019	Trend	JAN - JUL 2019	Trend
Berlin-Schönefeld	9.680	-9,8%	62.847	-7,7%
Berlin-Tegel	17.788	-0,8%	118.398	11,3%
Bremen	3.973	-13,4%	24.467	-6,8%
Dresden	3.324	-14,9%	19.963	-6,8%
Düsseldorf	21.663	2,2%	135.051	7,2%
Erfurt/Weimar	1.285	-11,2%	7.383	-1,2%
Frankfurt Main	47.565	0,8%	302.440	2,0%
Hamburg	16.431	-3,2%	102.543	0,5%
Hannover	8.569	-4,6%	49.199	-2,2%
Köln/Bonn	15.161	-1,3%	89.098	-1,4%
Leipzig/Halle	7.915	-3,8%	51.589	1,0%
München	38.227	1,8%	244.518	2,7%
Münster/Osnabrück	3.834	-8,9%	21.558	-4,5%
Nürnberg	6.125	-6,9%	36.504	-6,8%
Saarbrücken	1.357	-14,9%	7.149	-17,3%
Stuttgart	14.422	2,5%	85.869	3,7%

Additional information: Münster reported 406 glider movements for the current month, i.e. 2.446 glider movements for the cumulated year.



IFR flights at regional German airports - in detail

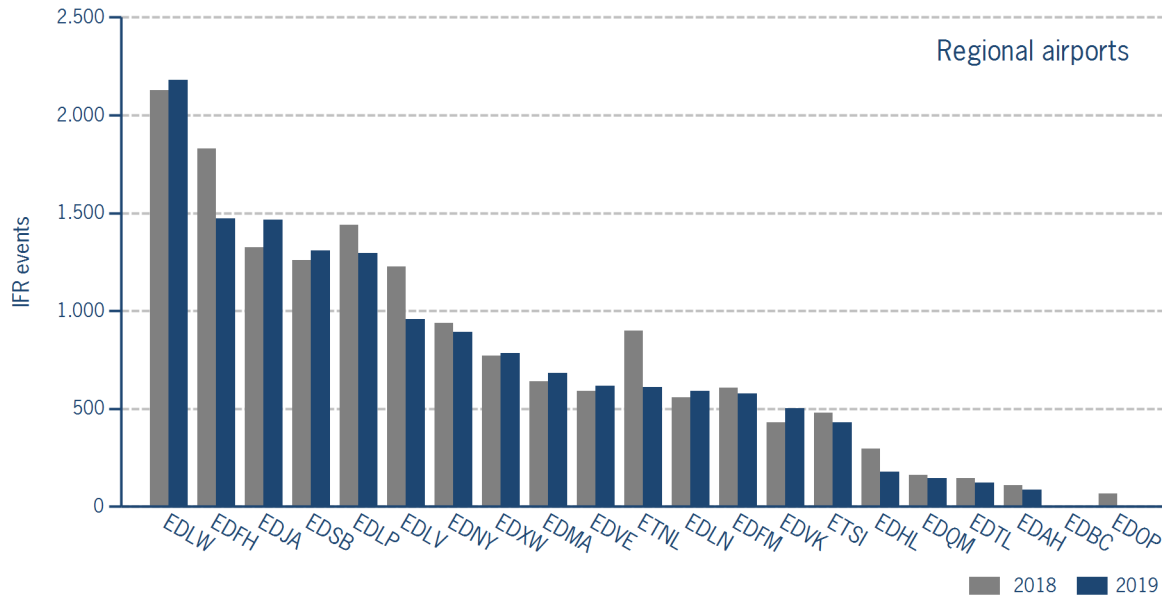
IFR events (take-offs and landings) at the different regional towers in the Federal Republic of Germany with control zone and barely any PPR.

		JUL 2019	Trend	JAN - JUL 2019	Trend
EDAH	Heringsdorf	86	-21,1%	492	-1,6%
EDBC	Magdeburg/Cochstedt	0	N/A	1	0,0%
EDFH	Frankfurt-Hahn	1.474	-19,5%	9.701	-18,1%
EDFM	Mannheim City	577	-5,3%	3.988	4,4%
EDHL	Lübeck-Blankensee	179	-39,7%	1.624	7,5%
EDJA	Memmingen	1.467	10,8%	9.080	16,5%
EDLN	Mönchengladbach	590	5,5%	3.763	-2,3%
EDLP	Paderborn/Lippstadt	1.296	-10,0%	7.711	-0,9%
EDLV	Niederrhein	959	-21,8%	5.528	-24,7%
EDLW	Dortmund	2.179	2,5%	13.691	7,6%
EDMA	Augsburg	683	6,7%	4.153	-0,5%
EDNY	Friedrichshafen	893	-5,0%	6.382	4,7%
EDOP	Schwerin-Parchim	0	-100,0%	24	-93,5%
EDQM	Hof-Plauen	147	-9,8%	910	13,8%
EDSB	Karlsruhe/Baden-Baden	1.309	3,9%	7.120	0,2%
EDTL	Lahr	123	-16,3%	881	-0,9%
EDVE	Braunschweig-Wolfsburg	616	4,4%	5.349	-4,0%
EDVK	Kassel-Calden	504	17,5%	2.696	-1,2%
EDXW	Sylt	786	1,8%	3.434	-3,2%
ETNL	Laage	611	-32,1%	4.911	-12,0%
ETSI	Ingolstadt/Manching	432	-9,8%	3.190	-1,8%

*The value is of limited conclusiveness (OLC).

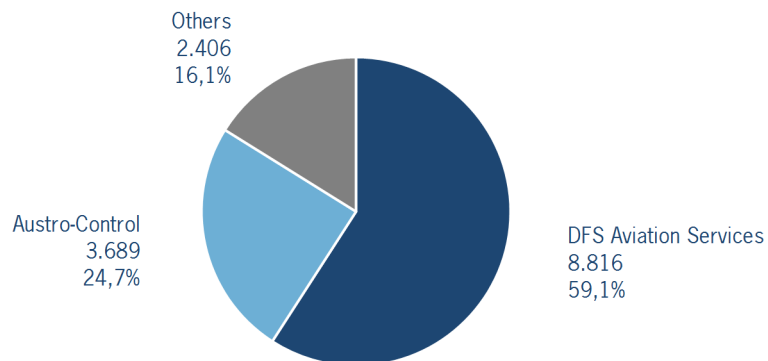
IFR flights at regional German airports - in detail

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)