



LIZ Air traffic statistics

AUG 2019

DFS Situation and Information Centre

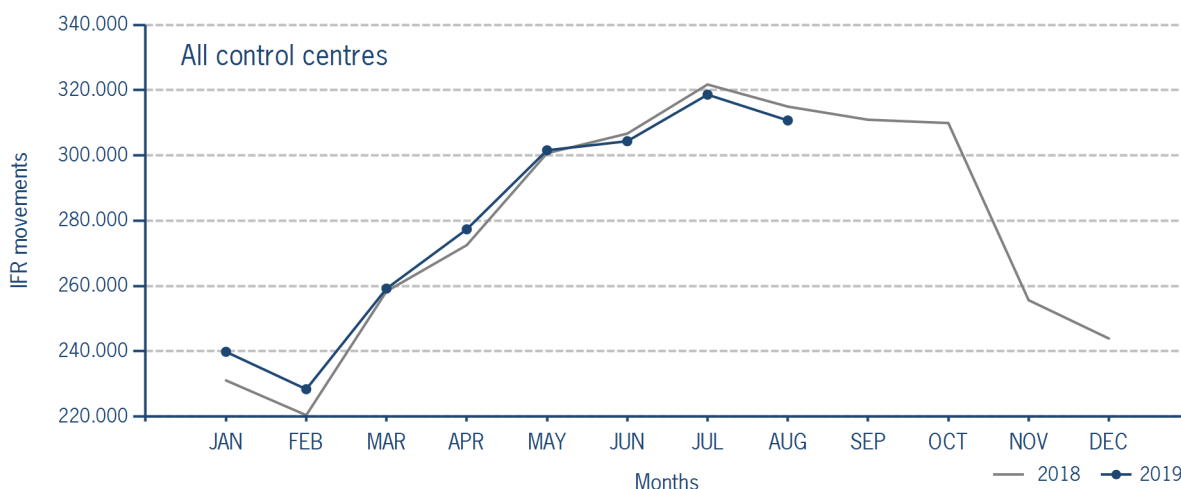
Version 05.09.2019

IFR flights in the Federal Republic of Germany

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

	AUG 2019	AUG 2018	Trend
Civil flights	307.247	311.391	-1,3%
Military flights	3.482	3.585	-2,9%
Total	310.729	314.976	-1,3%

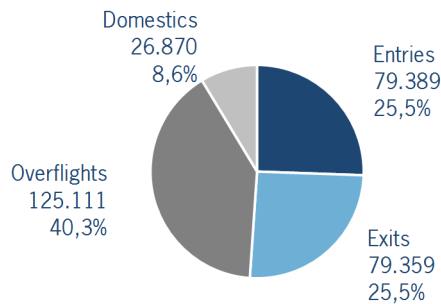
	JAN - AUG 2019	JAN - AUG 2018	Trend
Civil flights	2.212.203	2.197.621	0,7%
Military flights	27.877	28.816	-3,3%
Total	2.240.080	2.226.437	0,6%



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.

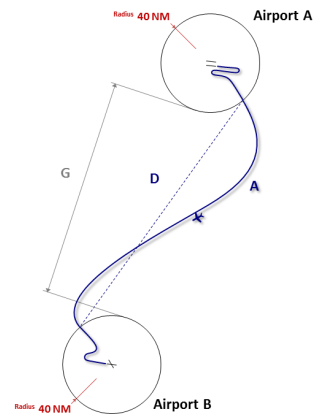


Please note: This count covers the traffic in the area build by all control sectors with a German designator („ED“), regardless of the service provider, including civil and military traffic in sectors controlled by DFS and Maastricht UAC (Maastricht-Hannover sectors). The area counted is composed of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

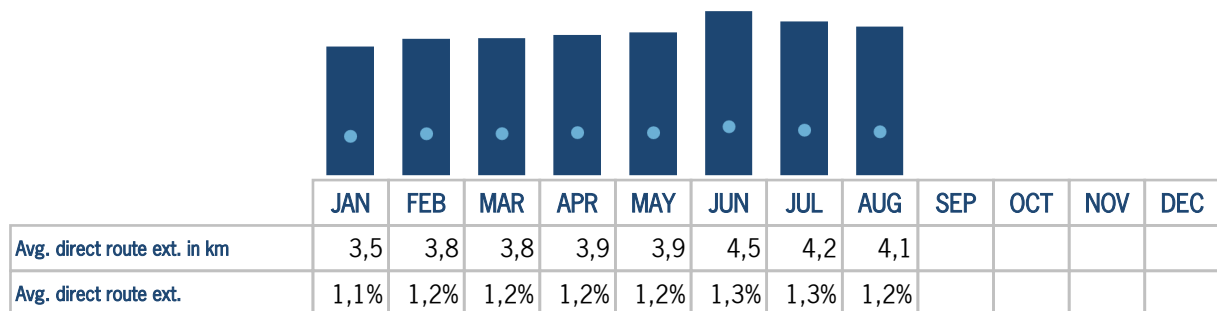
Direct route extension is defined as the difference between the length of the actual route (A) and the direct course (D) between the departure and arrival terminal areas (radius of 40 NM around the airport) or the national border where a flight enters or leaves German airspace. The direct route extension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

AUG 2019	
Evaluated traffic	280.372
Average actual route / flight	343,4 km
Average direct course / flight	339,3 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.



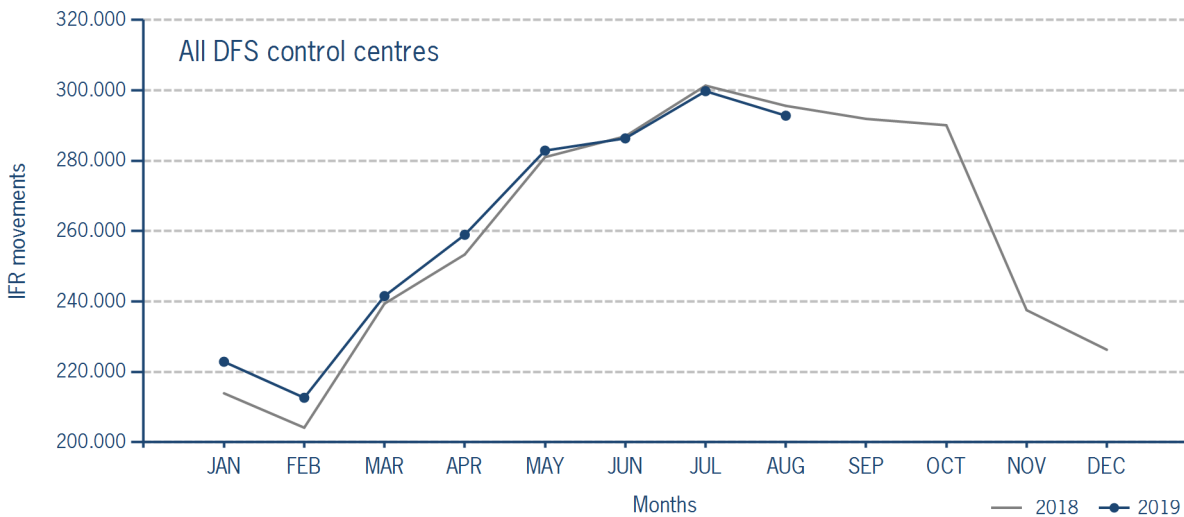
IFR flights controlled by DFS

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

	AUG 2019	AUG 2018	Trend
Civil flights	289.358	292.018	-0,9%
Military flights	3.474	3.606	-3,7%
Total	292.832	295.624	-0,9%

	JAN - AUG 2019	JAN - AUG 2018	Trend
Civil flights	2.070.165	2.047.154	1,1%
Military flights	27.871	28.769	-3,1%
Total	2.098.036	2.075.923	1,1%

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.



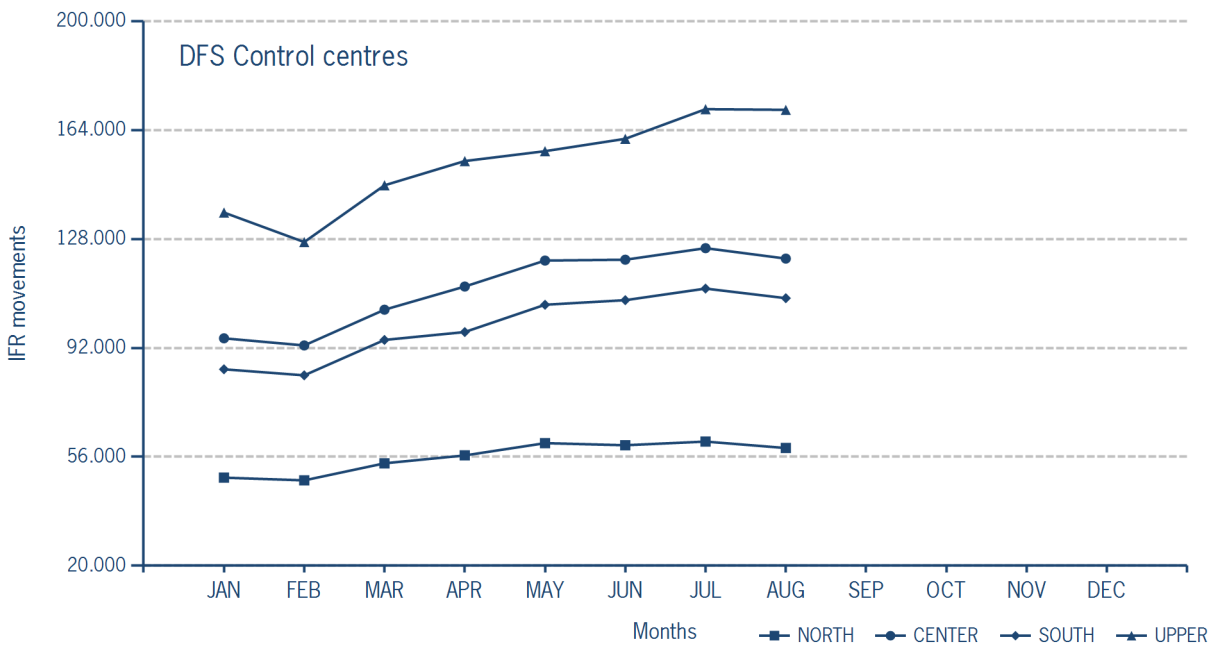
IFR flights controlled by DFS - in detail

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

	AUG 2019	AUG 2018	Trend
NORTH	58.911	61.883	-4,8%
CENTER	121.523	123.264	-1,4%
SOUTH	108.438	109.980	-1,4%
UPPER	170.686	173.740	-1,8%

	JAN - AUG 2019	JAN - AUG 2018	Trend
NORTH	447.981	444.787	0,7%
CENTER	893.426	881.959	1,3%
SOUTH	793.853	782.931	1,4%
UPPER	1.222.985	1.239.942	-1,4%

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.

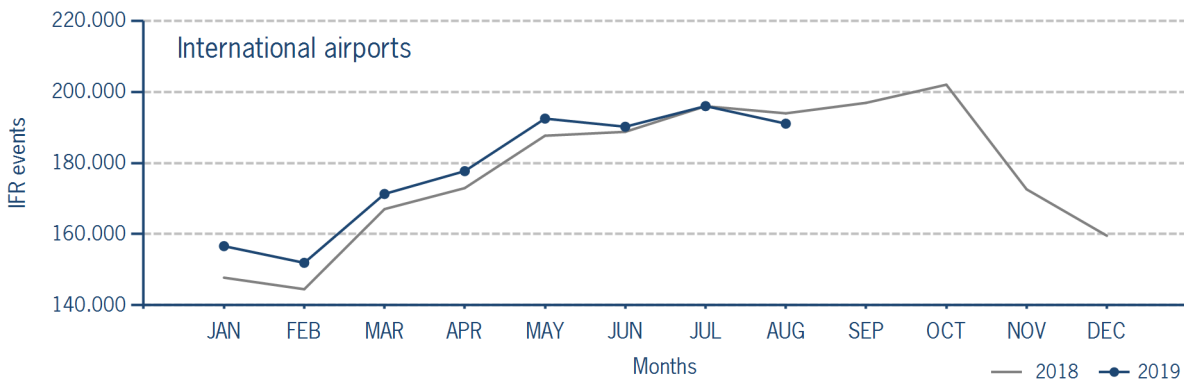
	AUG 2019	AUG 2018	Trend
International Airports	191.072	193.965	-1,5%
Regional Airports	14.312	15.228	-6,0%
Total	205.384	209.193	-1,8%

	JAN - AUG 2019	JAN - AUG 2018	Trend
International Airports	1.427.352	1.398.649	2,1%
Regional Airports	108.941	112.508	-3,2%
Total	1.536.293	1.511.157	1,7%

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

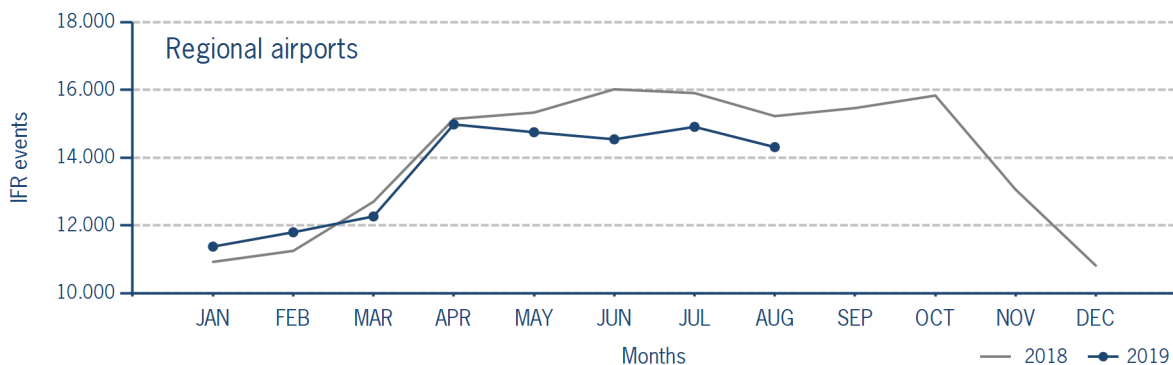
IFR flights at international German airports

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



IFR flights at regional German airports

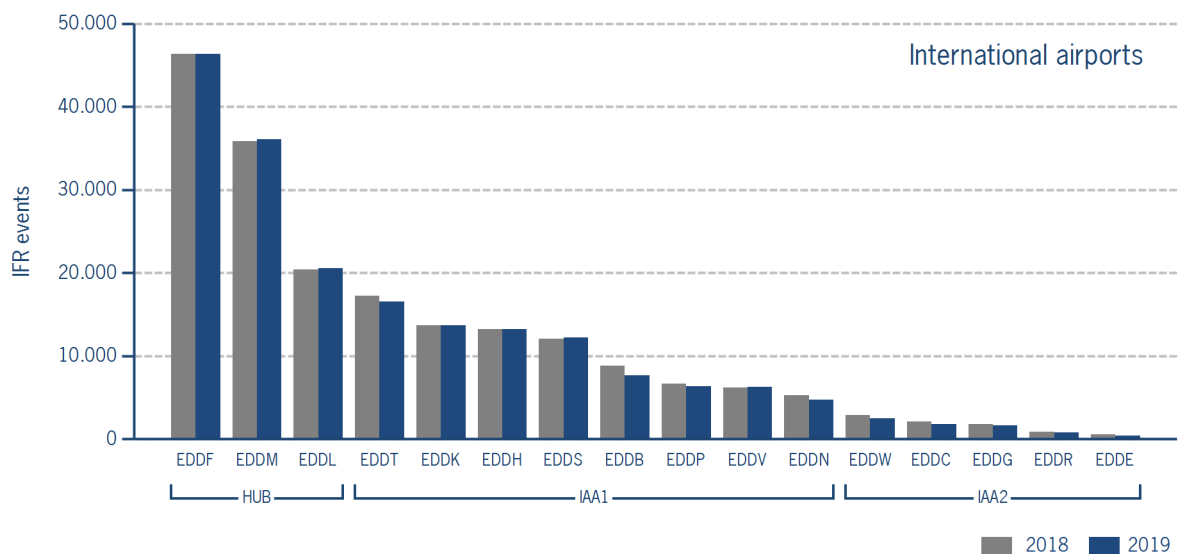
IFR events (take-offs and landings) at the different regional towers in the Federal Republic of Germany with control zone and barely any PPR.



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).

		AUG 2019	Trend	JAN - AUG 2019	Trend
HUB					
EDDF	Frankfurt/Main	46.387	0,0%	345.720	1,7%
EDDL	Düsseldorf	20.540	0,5%	151.517	6,8%
EDDM	München	36.075	0,6%	276.963	2,4%
IAA1					
EDDB	Berlin-Schönefeld	7.662	-12,8%	61.233	-8,8%
EDDH	Hamburg	13.226	0,2%	99.961	2,4%
EDDK	Köln/Bonn	13.703	0,1%	94.159	0,1%
EDDN	Nürnberg	4.719	-10,8%	32.609	-9,1%
EDDP	Leipzig/Halle	6.377	-3,9%	49.892	1,8%
EDDS	Stuttgart	12.255	1,6%	88.669	5,0%
EDDT	Berlin-Tegel	16.574	-3,7%	130.030	10,3%
EDDV	Hannover	6.302	2,1%	43.036	0,1%
IAA2					
EDDC	Dresden	1.834	-12,3%	13.637	-5,6%
EDDE	Erfurt/Weimar	423	-28,3%	3.055	-15,2%
EDDG	Münster/Osnabrück	1.659	-7,7%	12.208	-2,0%
EDDR	Saarbrücken	808	-11,3%	5.244	-15,4%
EDDW	Bremen	2.528	-11,9%	19.419	-6,3%

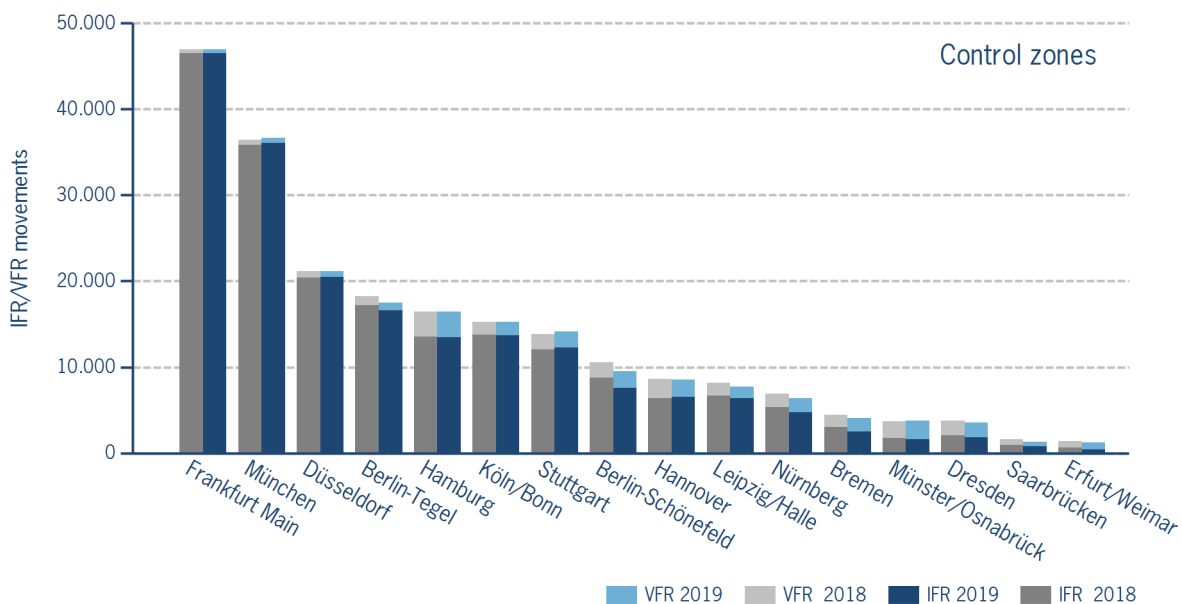


IFR/VFR flights in control zones of DFS towers

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

	AUG 2019	Trend	JAN - AUG 2019	Trend
Berlin-Schönefeld	9.485	-9,9%	72.332	-8,0%
Berlin-Tegel	17.470	-4,3%	135.868	9,0%
Bremen	4.065	-7,9%	28.532	-7,0%
Dresden	3.545	-6,9%	23.508	-6,8%
Düsseldorf	21.139	0,0%	156.190	6,2%
Erfurt/Weimar	1.252	-11,4%	8.635	-2,8%
Frankfurt Main	46.974	0,0%	349.414	1,7%
Hamburg	16.423	-0,3%	118.966	0,4%
Hannover	8.567	-0,2%	57.766	-1,9%
Köln/Bonn	15.267	-0,2%	104.365	-1,2%
Leipzig/Halle	7.698	-5,7%	59.287	0,1%
München	36.645	0,6%	281.163	2,4%
Münster/Osnabrück	3.797	2,8%	25.355	-3,4%
Nürnberg	6.357	-7,5%	42.861	-6,9%
Saarbrücken	1.299	-20,3%	8.448	-17,8%
Stuttgart	14.144	2,1%	100.013	3,5%

Additional information: Münster reported 268 glider movements for the current month, i.e. 2.714 glider movements for the cumulated year.



IFR flights at regional German airports - in detail

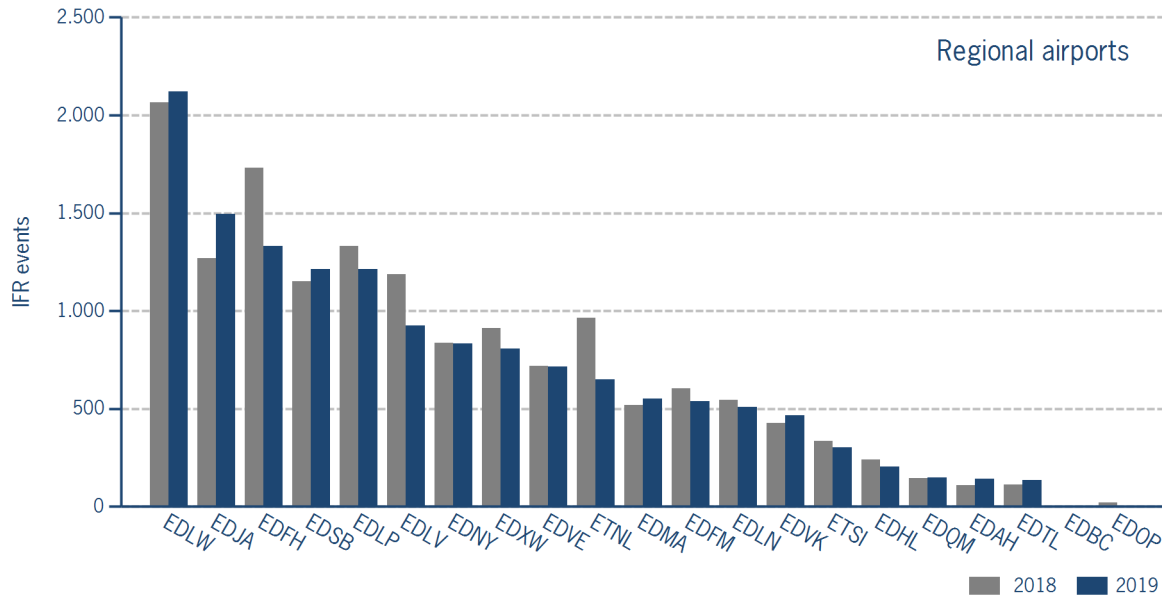
IFR events (take-offs and landings) at the different regional towers in the Federal Republic of Germany with control zone and barely any PPR.

		AUG 2019	Trend	JAN - AUG 2019	Trend
EDAH	Heringsdorf	141	27,0%	633	3,6%
EDBC	Magdeburg/Cochstedt	2	N/A	3	OLC*
EDFH	Frankfurt-Hahn	1.333	-23,0%	11.034	-18,7%
EDFM	Mannheim City	540	-10,4%	4.528	2,4%
EDHL	Lübeck-Blankensee	206	-14,9%	1.830	4,4%
EDJA	Memmingen	1.494	17,7%	10.574	16,7%
EDLN	Mönchengladbach	508	-6,8%	4.271	-2,8%
EDLP	Paderborn/Lippstadt	1.212	-9,0%	8.923	-2,1%
EDLV	Niederrhein	925	-22,1%	6.453	-24,3%
EDLW	Dortmund	2.122	2,8%	15.813	6,9%
EDMA	Augsburg	551	6,4%	4.704	0,3%
EDNY	Friedrichshafen	834	-0,2%	7.216	4,1%
EDOP	Schwerin-Parchim	0	-100,0%	24	-93,8%
EDQM	Hof-Plauen	150	2,7%	1.060	12,1%
EDSB	Karlsruhe/Baden-Baden	1.214	5,6%	8.334	1,0%
EDTL	Lahr	137	20,2%	1.018	1,5%
EDVE	Braunschweig-Wolfsburg	717	-0,4%	6.066	-3,6%
EDVK	Kassel-Calden	466	9,4%	3.162	0,2%
EDXW	Sylt	806	-11,7%	4.240	-4,9%
ETNL	Laage	650	-32,5%	5.561	-15,0%
ETSI	Ingolstadt/Manching	304	-9,5%	3.494	-2,6%

*The value is of limited conclusiveness (OLC).

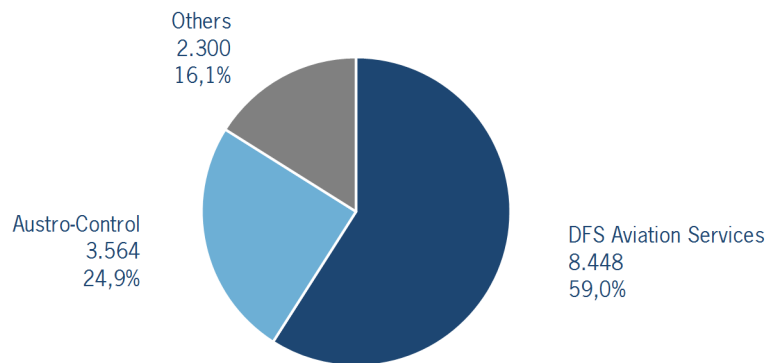
IFR flights at regional German airports - in detail

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)