



LIZ Air traffic statistics

DFS Situation and Information Centre

SEP 2021

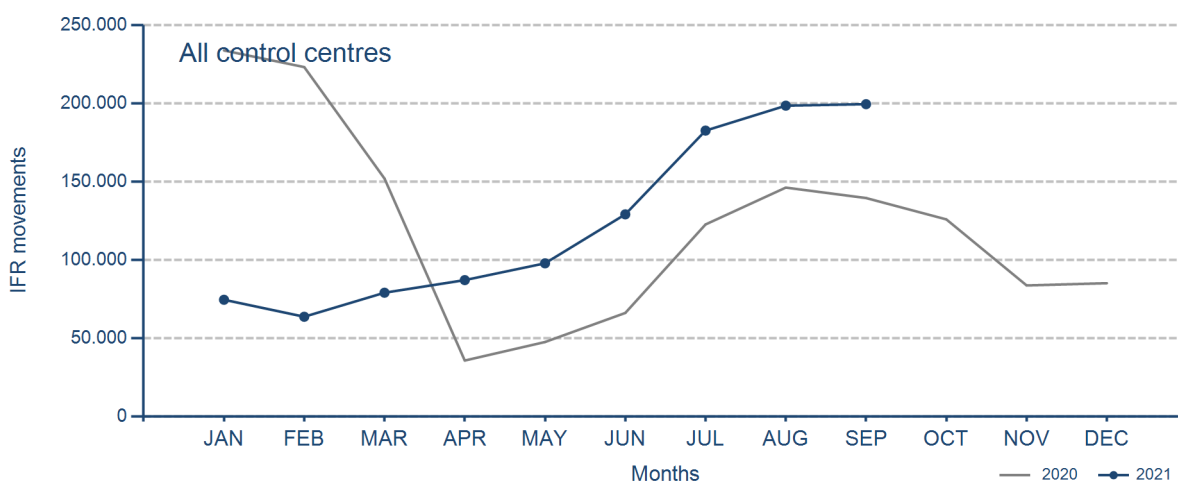
Version 12.10.2021

IFR flights in the Federal Republic of Germany

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

	SEP 2021	SEP 2020	Trend
Civil flights	195.024	135.037	44,4%
Military flights	4.376	4.438	-1,4%
Total	199.400	139.475	43,0%

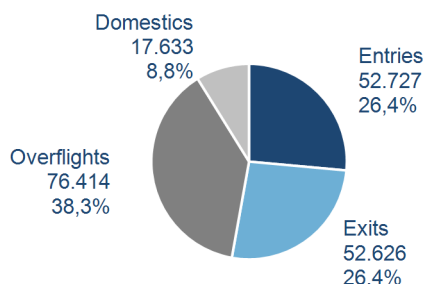
	JAN - SEP 2021	JAN - SEP 2020	Trend
Civil flights	1.078.011	1.134.793	-5,0%
Military flights	33.595	31.533	6,5%
Total	1.111.606	1.166.326	-4,7%



Please note: This count covers the traffic in the area built 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.

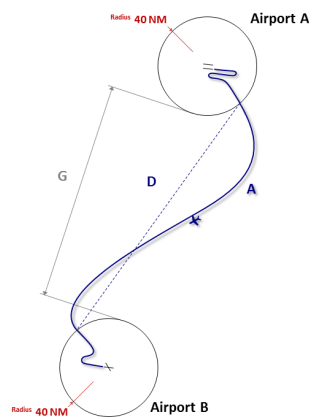


Please note: This count covers the traffic in the area build by all control sectors with a German designator („ED“), regardless of the service provider, including civil and military traffic in sectors controlled by DFS and Maastricht UAC (Maastricht-Hannover sectors). The area counted is composed of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

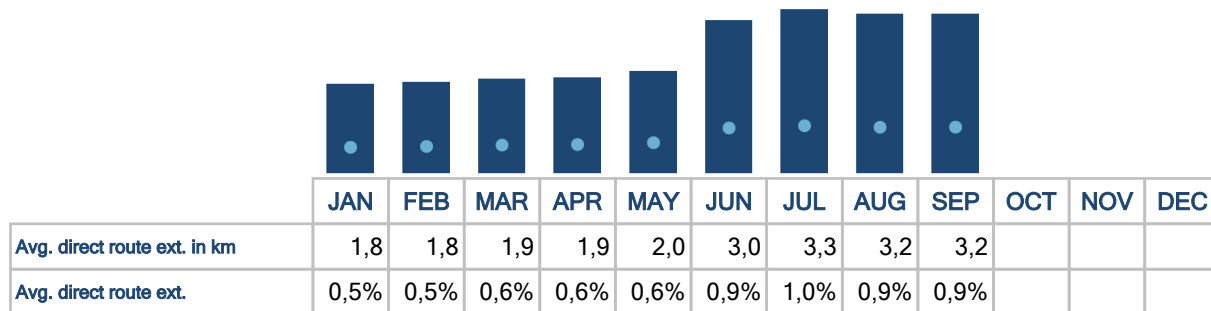
Direct route extension is defined as the difference between the length of the actual route (A) and the direct course (D) between the departure and arrival terminal areas (radius of 40 NM around the airport) or the national border where a flight enters or leaves German airspace. The direct route extension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

SEP 2021	
Evaluated traffic	167.628
Average actual route / flight	346,2 km
Average direct course / flight	343,1 km
Average direct route extension / flight	3,2 km
Average direct route extension / flight	0,9%



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.



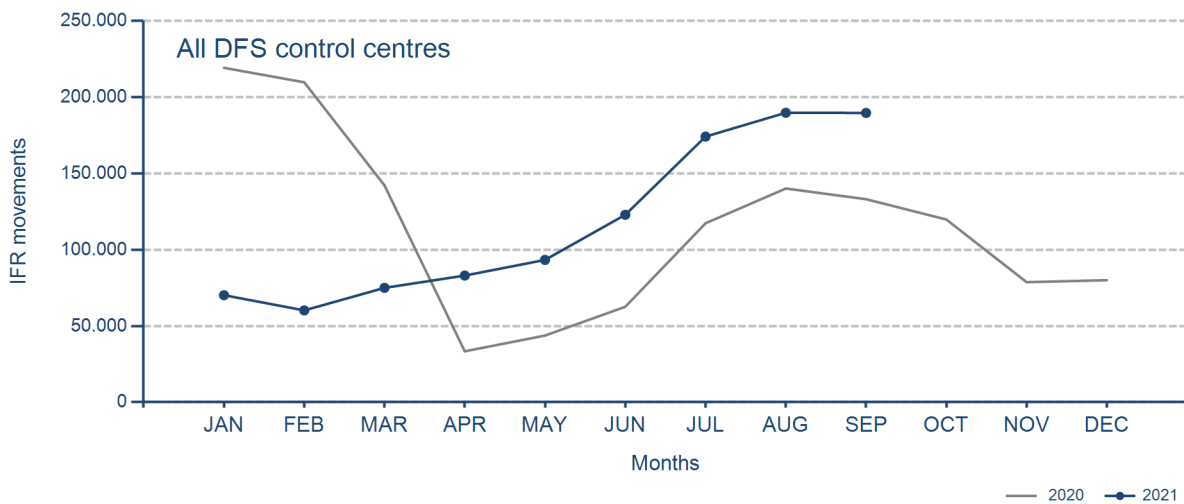
IFR flights controlled by DFS

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

	SEP 2021	SEP 2020	Trend
Civil flights	185.354	128.814	43,9%
Military flights	4.404	4.379	0,6%
Total	189.758	133.193	42,5%

	JAN - SEP 2021	JAN - SEP 2020	Trend
Civil flights	1.025.041	1.070.728	-4,3%
Military flights	33.789	31.288	8,0%
Total	1.058.830	1.102.016	-3,9%

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.



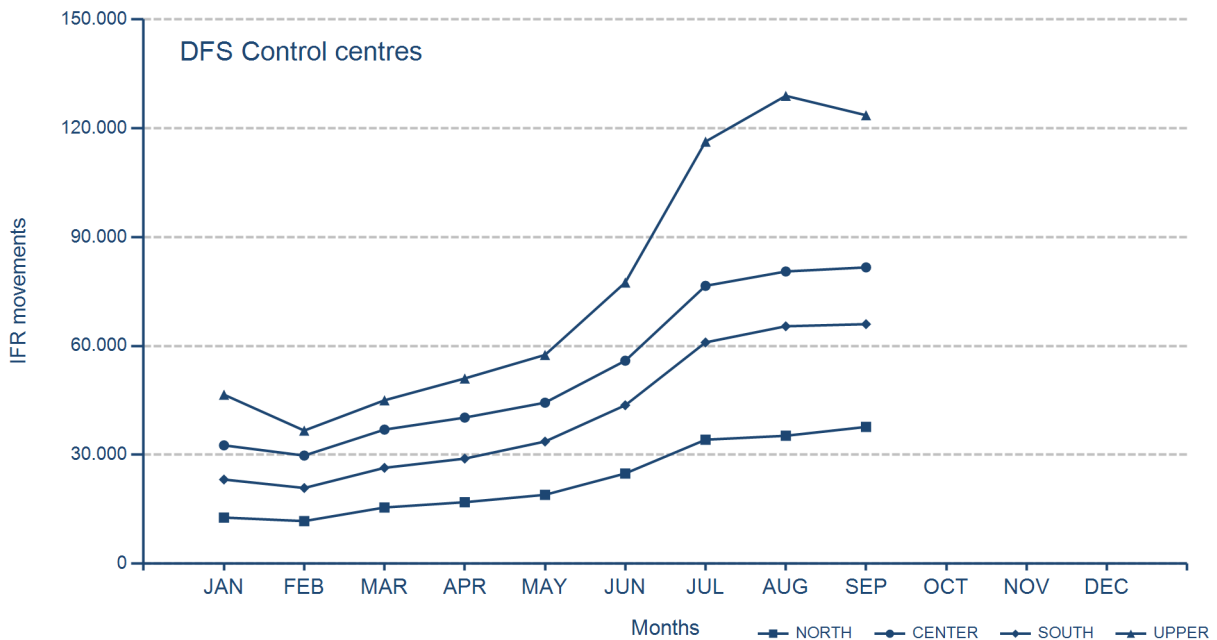
IFR flights controlled by DFS - in detail

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

	SEP 2021	SEP 2020	Trend
NORTH	37.689	27.749	35,8%
CENTER	81.632	56.113	45,5%
SOUTH	65.995	45.531	44,9%
UPPER	123.533	86.550	42,7%

	JAN - SEP 2021	JAN - SEP 2020	Trend
NORTH	207.868	233.621	-11,0%
CENTER	478.568	482.760	-0,9%
SOUTH	369.126	398.621	-7,4%
UPPER	683.002	682.677	0,0%

Please note: The trend numbers compare counts of the airspaces in their current configuration to the count of the same airspace in 2020.



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.

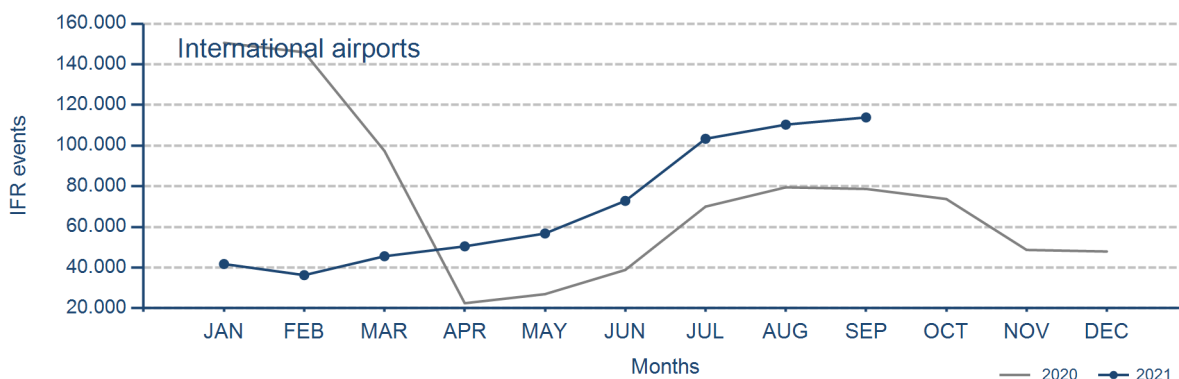
	SEP 2021	SEP 2020	Trend
International Airports	113.906	78.728	44,7%
Regional Airports	13.280	11.852	12,0%
Total	127.186	90.580	40,4%

	JAN - SEP 2021	JAN - SEP 2020	Trend
International Airports	631.461	710.521	-11,1%
Regional Airports	83.441	80.961	3,1%
Total	714.902	791.482	-9,7%

Please note: The airport Schwerin-Parchim (EDOP) is currently closed.

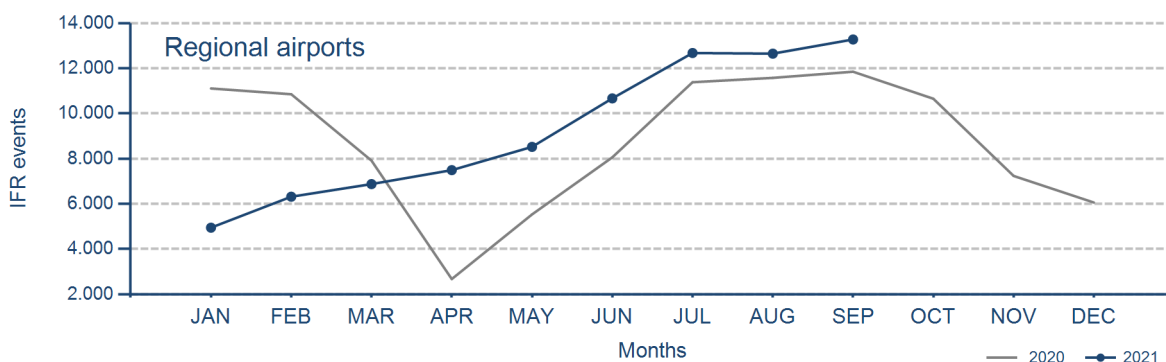
IFR flights at international German airports

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



IFR flights at regional German airports

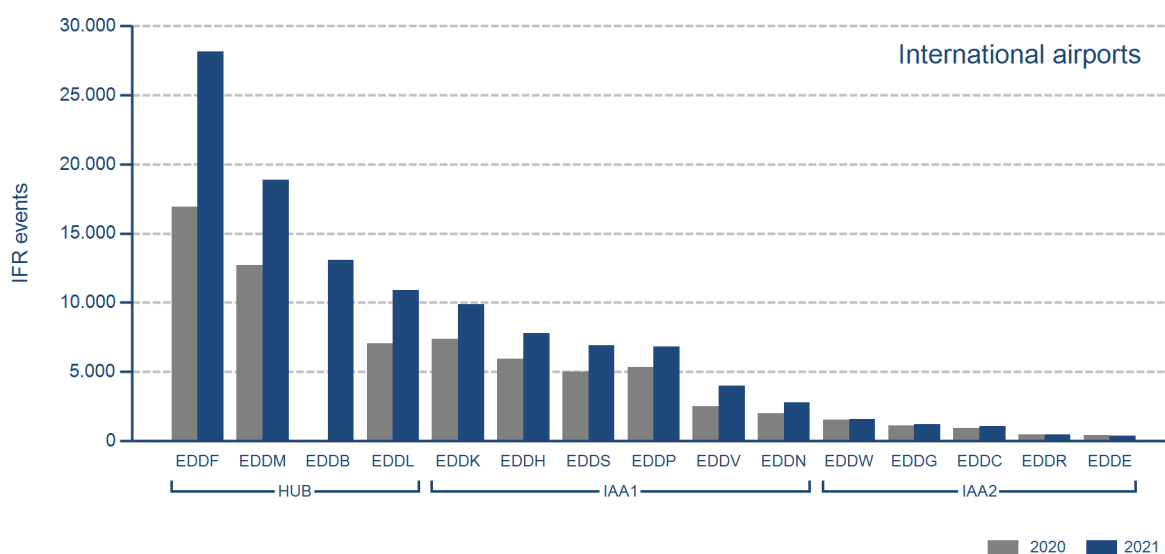
IFR events (take-offs and landings) at the different regional towers in the Federal Republic of Germany with control zone and barely any PPR.



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).

	SEP 2021	Trend	JAN - SEP 2021	Trend
HUB				
EDDB Berlin-Brandenburg	13.080	N/A	65.496	N/A
EDDF Frankfurt/Main	28.122	66,0%	175.011	3,7%
EDDL Düsseldorf	10.902	54,2%	52.386	-20,8%
EDDM München	18.856	48,4%	91.501	-24,2%
IAA1				
EDDH Hamburg	7.795	31,0%	39.444	-19,4%
EDDK Köln/Bonn	9.901	34,1%	61.811	0,5%
EDDN Nürnberg	2.780	39,8%	13.314	-20,5%
EDDP Leipzig/Halle	6.812	27,9%	53.216	16,3%
EDDS Stuttgart	6.928	38,4%	34.454	-16,1%
EDDV Hannover	3.992	59,8%	20.391	-7,6%
IAA2				
EDDC Dresden	1.066	15,6%	4.522	-36,4%
EDDE Erfurt/Weimar	375	-10,9%	2.317	-16,2%
EDDG Münster/Osnabrück	1.234	8,8%	6.356	-22,9%
EDDR Saarbrücken	492	8,1%	2.545	-17,8%
EDDW Bremen	1.571	1,9%	8.697	-27,1%

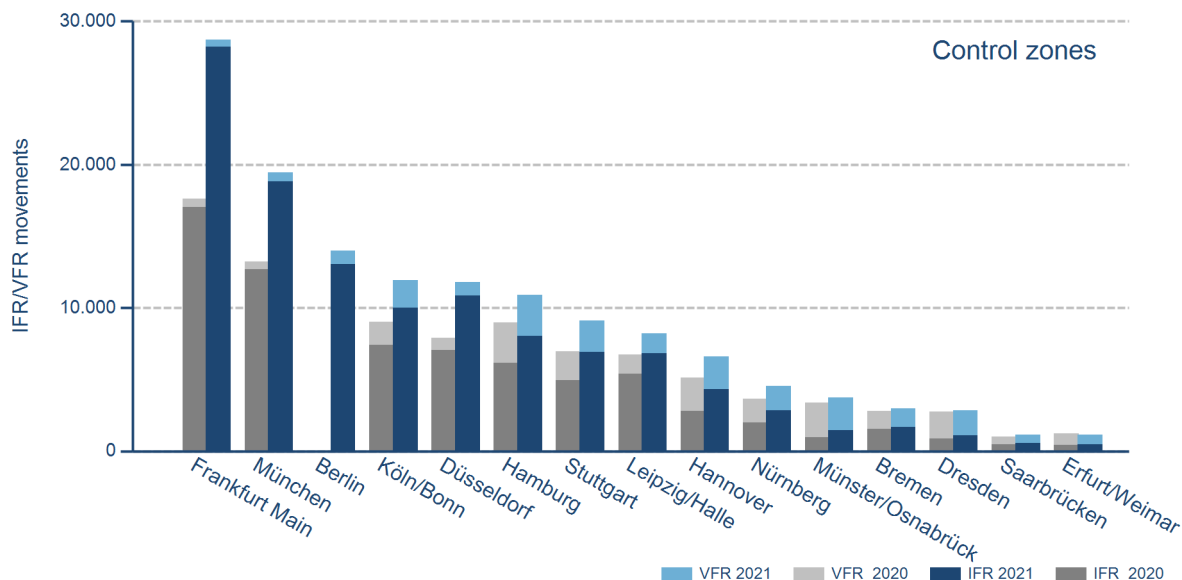


IFR/VFR flights in control zones of DFS towers

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

	SEP 2021	Trend	JAN - SEP 2021	Trend
Berlin	13.997	N/A	72.401	N/A
Bremen	2.980	6,1%	18.679	-10,5%
Dresden	2.858	4,0%	15.686	-9,7%
Düsseldorf	11.775	49,4%	58.651	-18,9%
Erfurt/Weimar	1.124	-9,7%	7.456	-1,8%
Frankfurt Main	28.724	62,9%	179.898	3,7%
Hamburg	10.917	21,4%	61.489	-11,0%
Hannover	6.604	28,4%	39.408	-0,2%
Köln/Bonn	11.924	32,0%	75.297	3,8%
Leipzig/Halle	8.226	22,0%	63.485	14,6%
München	19.473	47,1%	96.111	-23,3%
Münster/Osnabrück	3.751	10,3%	24.477	8,5%
Nürnberg	4.559	25,1%	25.024	-6,2%
Saarbrücken	1.125	11,2%	6.790	6,4%
Stuttgart	9.115	30,8%	48.838	-7,6%

Additional information: Münster reported 1.090 glider movements for the current month, i.e. 7.335 glider movements for the cumulated year.



IFR flights at regional German airports - in detail

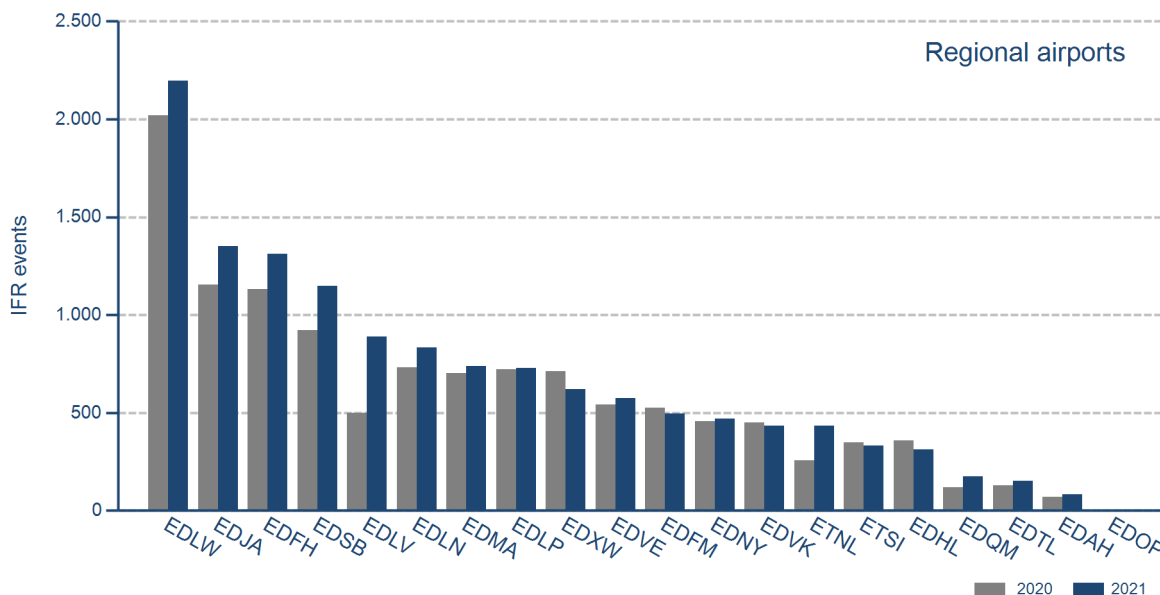
IFR events (take-offs and landings) at the different regional towers in the Federal Republic of Germany with control zone and barely any PPR.

	SEP 2021	Trend	JAN - SEP 2021	Trend
EDAH Heringsdorf	84	18,3%	476	-1,0%
EDFH Frankfurt-Hahn	1.312	15,9%	8.880	4,2%
EDFM Mannheim City	495	-5,5%	3.554	-0,4%
EDHL Lübeck-Blankensee	312	-12,8%	2.332	36,1%
EDJA Memmingen	1.350	16,9%	7.463	0,0%
EDLN Mönchengladbach	835	13,9%	6.226	22,8%
EDLP Paderborn/Lippstadt	730	1,0%	4.460	4,7%
EDLV Niederrhein	889	78,5%	3.570	22,6%
EDLW Dortmund	2.196	8,7%	12.706	1,6%
EDMA Augsburg	737	5,1%	5.808	13,0%
EDNY Friedrichshafen	471	2,8%	2.691	-26,9%
EDOP Schwerin-Parchim	0	N/A	0	N/A
EDQM Hof-Plauen	174	43,8%	1.091	2,2%
EDSB Karlsruhe/Baden-Baden	1.147	24,4%	6.535	-0,2%
EDTL Lahr	153	18,6%	1.017	16,9%
EDVE Braunschweig-Wolfsburg	574	5,9%	3.745	-5,7%
EDVK Kassel-Calden	434	-3,3%	2.580	-12,1%
EDXW Sylt	620	-12,8%	4.533	8,6%
ETNL Laage	434	69,5%	3.968	2,5%
ETSI Ingolstadt/Manching	333	-4,6%	1.806	-17,8%

*The value is of limited conclusiveness (OLC).

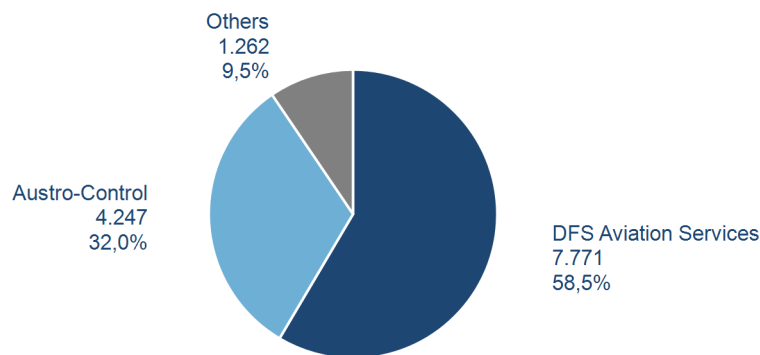
IFR flights at regional German airports - in detail

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), Sylt (EDXW)
- Others: Ingolstadt/Manching (ETSI), Laage (ETNL), Mannheim City (EDFM)