



LIZ Air traffic statistics

DFS Situation and Information Centre

SEP 2018

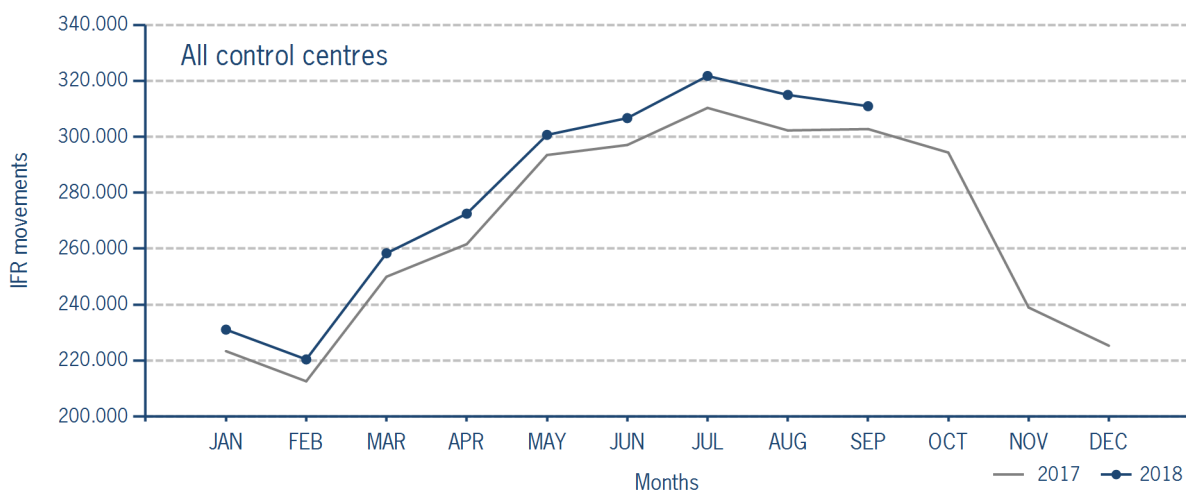
Version 08.10.2018

IFR flights in the Federal Republic of Germany

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

	SEP 2018	SEP 2017	Trend
Civil flights	307.291	298.805	2,8%
Military flights	3.655	3.967	-7,9%
Total	310.946	302.772	2,7%

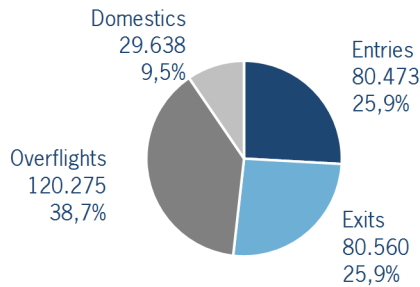
	JAN - SEP 2018	JAN - SEP 2017	Trend
Civil flights	2.504.912	2.419.618	3,5%
Military flights	32.471	33.854	-4,1%
Total	2.537.383	2.453.472	3,4%



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.

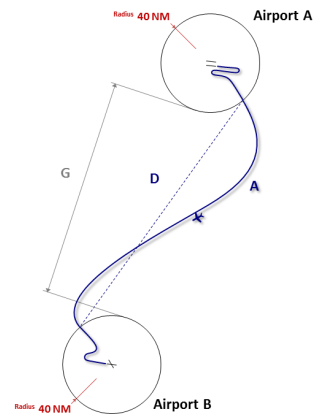


Please note: This count covers the traffic in the area build by all control sectors with a German designator („ED“), regardless of the service provider, including civil and military traffic in sectors controlled by DFS and Maastricht UAC (Maastricht-Hannover sectors). The area counted is composed of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

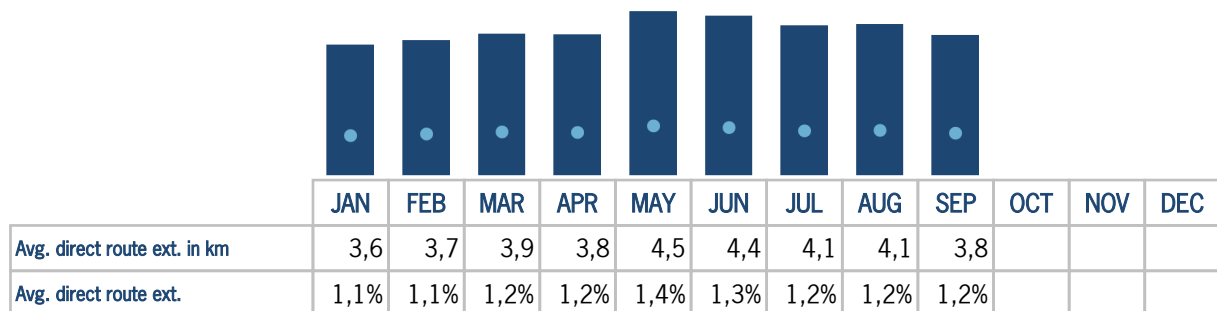
Direct route extension is defined as the difference between the length of the actual route (A) and the direct course (D) between the departure and arrival terminal areas (radius of 40 NM around the airport) or the national border where a flight enters or leaves German airspace. The direct route extension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

SEP 2018	
Evaluated traffic	277.807
Average actual route / flight	335,2 km
Average direct course / flight	331,3 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.



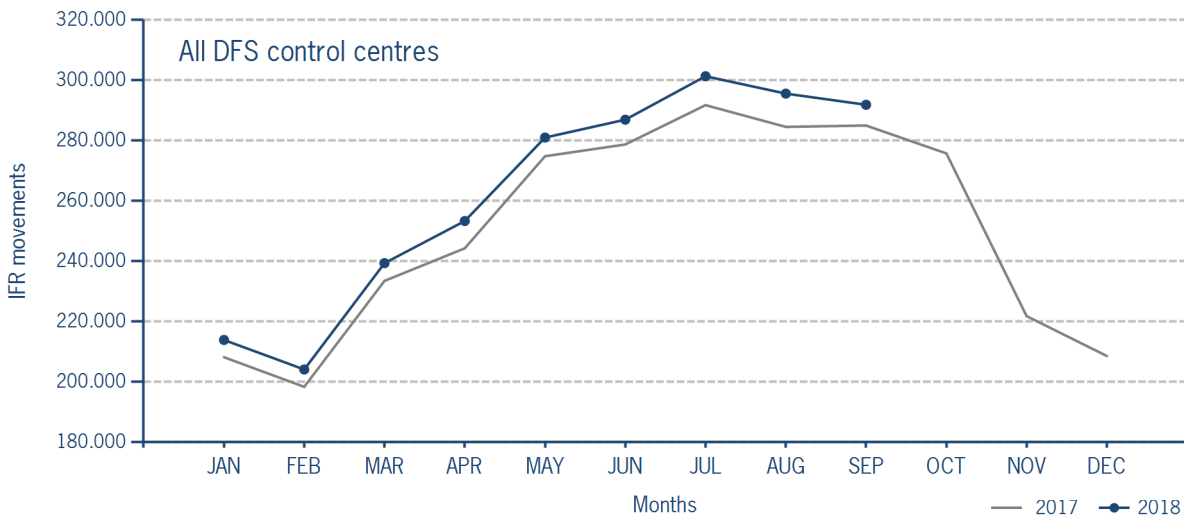
IFR flights controlled by DFS

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

	SEP 2018	SEP 2017	Trend
Civil flights	288.265	281.079	2,6%
Military flights	3.656	3.959	-7,7%
Total	291.921	285.038	2,4%

	JAN - SEP 2018	JAN - SEP 2017	Trend
Civil flights	2.335.419	2.265.763	3,1%
Military flights	32.425	33.785	-4,0%
Total	2.367.844	2.299.548	3,0%

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.



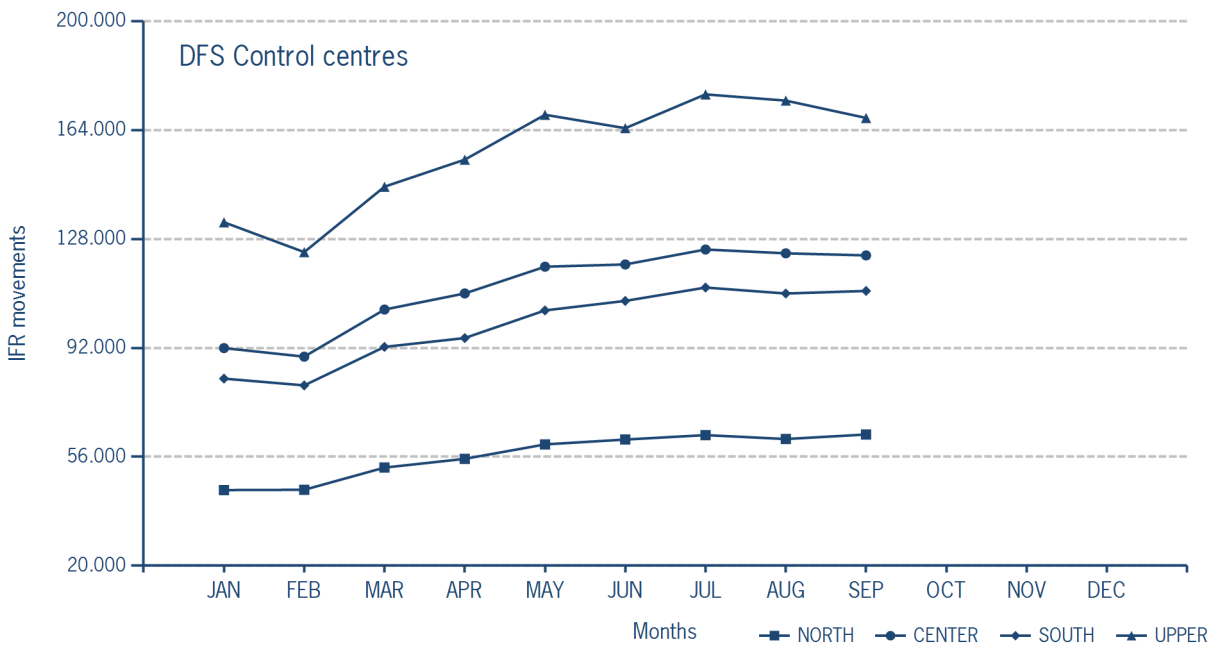
IFR flights controlled by DFS - in detail

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

	SEP 2018	SEP 2017	Trend
NORTH	63.382	62.541	1,3%
CENTER	122.572	118.979	3,0%
SOUTH	110.824	105.390	5,2%
UPPER	168.013	174.360	-3,6%

	JAN - SEP 2018	JAN - SEP 2017	Trend
NORTH	508.169	510.578	-0,5%
CENTER	1.004.531	964.572	4,1%
SOUTH	893.755	853.529	4,7%
UPPER	1.407.955	1.411.905	-0,3%

Please note: The trend numbers compare counts of the airspaces in their current configuration to the count of the same airspace in 2017.



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.

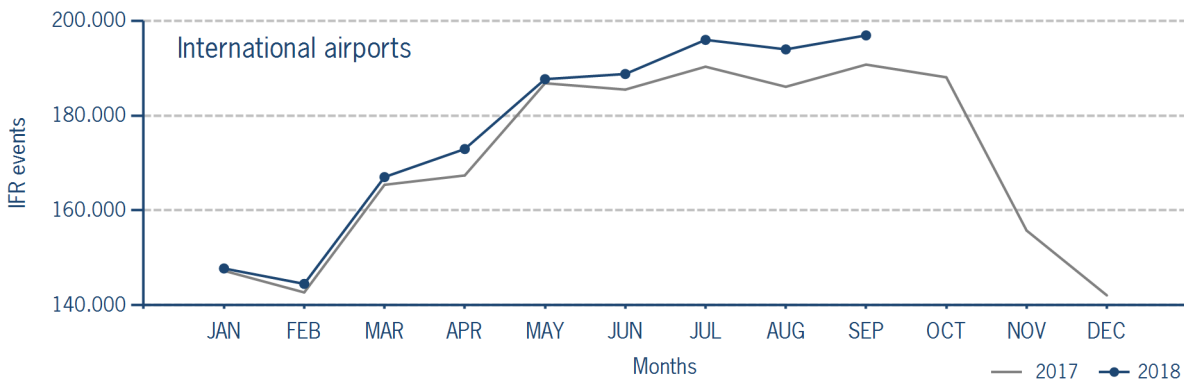
	SEP 2018	SEP 2017	Trend
International Airports	196.916	190.754	3,2%
Regional Airports	15.465	15.845	-2,4%
Total	212.381	206.599	2,8%

	JAN - SEP 2018	JAN - SEP 2017	Trend
International Airports	1.595.565	1.562.221	2,1%
Regional Airports	127.973	122.882	4,1%
Total	1.723.538	1.685.103	2,3%

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

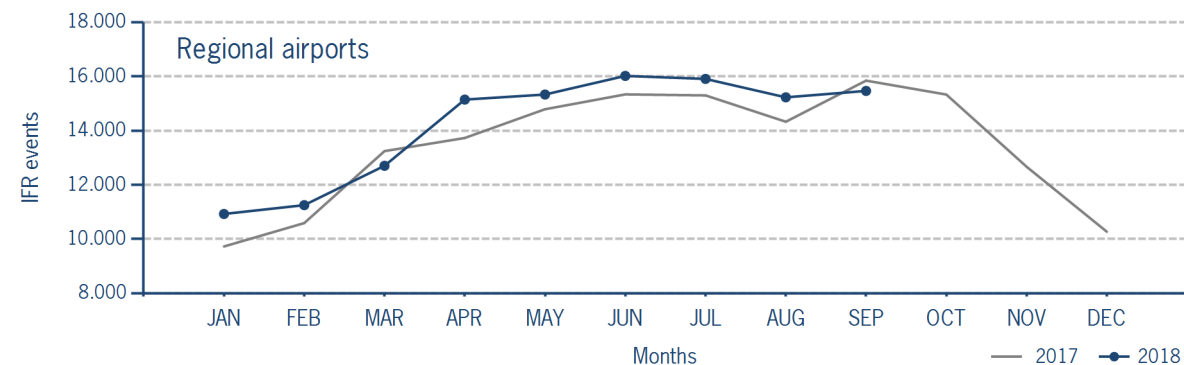
IFR flights at international German airports

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



IFR flights at regional German airports

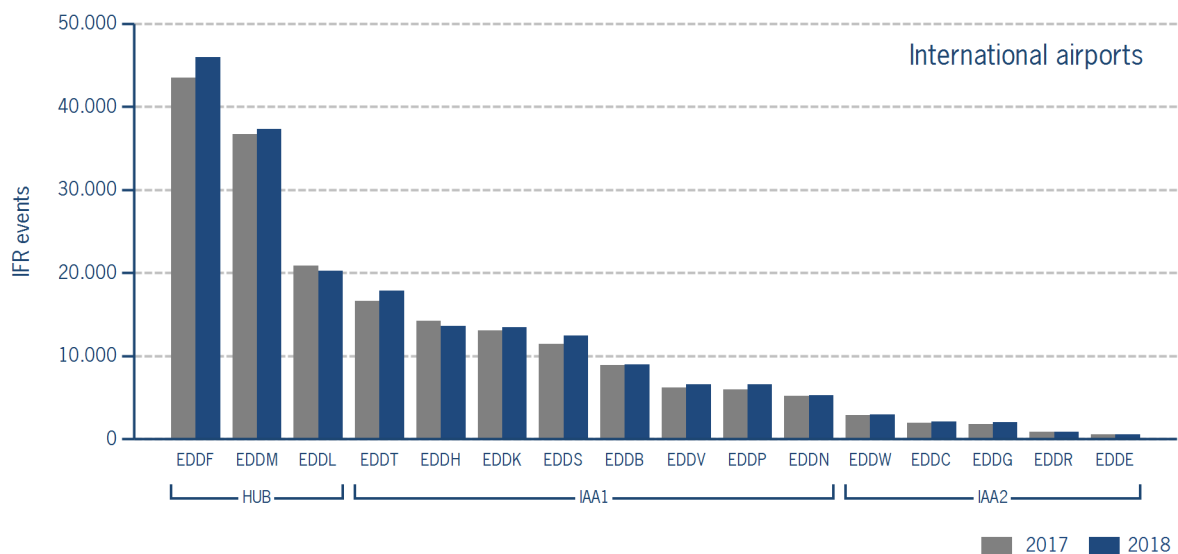
IFR events (take-offs and landings) at the different regional towers in the Federal Republic of Germany with control zone and barely any PPR.



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).

	SEP 2018	Trend	JAN - SEP 2018	Trend
HUB				
EDDF Frankfurt/Main	45.935	5,7%	385.788	8,0%
EDDL Düsseldorf	20.275	-3,0%	162.180	-6,2%
EDDM München	37.290	1,6%	307.694	0,9%
IAA1				
EDDB Berlin-Schönefeld	9.003	1,4%	76.164	0,8%
EDDH Hamburg	13.596	-4,7%	111.201	-5,4%
EDDK Köln/Bonn	13.492	3,0%	107.544	1,8%
EDDN Nürnberg	5.240	0,3%	41.115	1,9%
EDDP Leipzig/Halle	6.567	10,1%	55.576	15,0%
EDDS Stuttgart	12.481	9,3%	96.966	8,2%
EDDT Berlin-Tegel	17.880	7,7%	135.769	-1,8%
EDDV Hannover	6.624	6,2%	49.608	4,9%
IAA2				
EDDC Dresden	2.146	11,2%	16.593	0,6%
EDDE Erfurt/Weimar	562	6,4%	4.163	-1,8%
EDDG Münster/Osnabrück	1.993	12,7%	14.445	4,3%
EDDR Saarbrücken	856	-3,7%	7.058	0,9%
EDDW Bremen	2.976	3,6%	23.701	3,1%

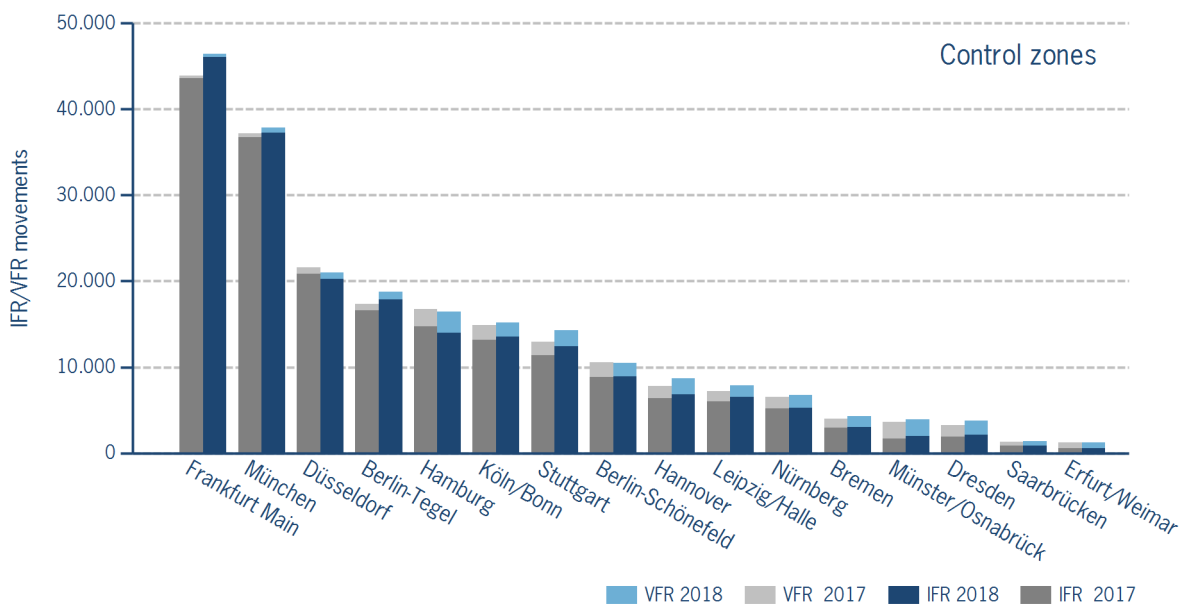


IFR/VFR flights in control zones of DFS towers

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

	SEP 2018	Trend	JAN - SEP 2018	Trend
Berlin-Schönefeld	10.515	-0,7%	89.135	2,9%
Berlin-Tegel	18.792	8,1%	143.405	-1,2%
Bremen	4.307	8,2%	34.974	3,4%
Dresden	3.806	18,1%	29.024	4,2%
Düsseldorf	20.996	-2,9%	168.118	-6,1%
Erfurt/Weimar	1.240	3,1%	10.125	-3,8%
Frankfurt Main	46.435	5,7%	389.872	7,9%
Hamburg	16.452	-2,0%	134.949	-3,3%
Hannover	8.710	12,2%	67.581	7,6%
Köln/Bonn	15.168	1,9%	120.812	1,4%
Leipzig/Halle	7.870	9,7%	67.103	11,9%
München	37.838	1,7%	312.406	1,0%
Münster/Osnabrück	3.924	9,4%	30.183	6,0%
Nürnberg	6.793	4,5%	52.822	2,9%
Saarbrücken	1.386	3,0%	11.659	-1,5%
Stuttgart	14.276	10,0%	110.940	7,1%

Additional information: Münster reported 182 glider movements for the current month, i.e. 2.244 glider movements for the cumulated year.



IFR flights at regional German airports - in detail

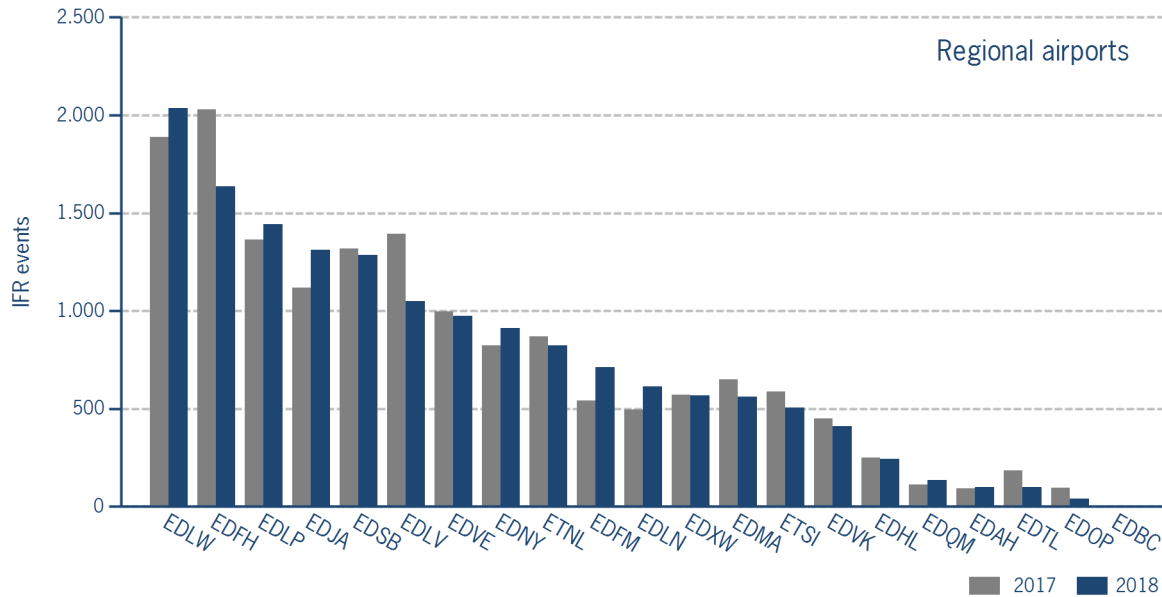
IFR events (take-offs and landings) at the different regional towers in the Federal Republic of Germany with control zone and barely any PPR.

		SEP 2018	Trend	JAN - SEP 2018	Trend
EDAH	Heringsdorf	101	9,8%	712	-2,7%
EDBC	Magdeburg/Cochstedt	0	N/A	1	-75,0%
EDFH	Frankfurt-Hahn	1.637	-19,3%	15.211	-3,3%
EDFM	Mannheim City	712	31,1%	5.136	6,4%
EDHL	Lübeck-Blankensee	244	-2,8%	1.997	26,2%
EDJA	Memmingen	1.311	17,1%	10.374	20,2%
EDLN	Mönchengladbach	613	23,8%	5.008	13,8%
EDLP	Paderborn/Lippstadt	1.442	5,7%	10.556	8,8%
EDLV	Niederrhein	1.050	-24,7%	9.578	-4,3%
EDLW	Dortmund	2.036	7,8%	16.828	11,1%
EDMA	Augsburg	562	-13,7%	5.252	-1,7%
EDNY	Friedrichshafen	913	10,8%	7.842	1,1%
EDOP	Schwerin-Parchim	40	-58,3%	429	-48,9%
EDQM	Hof-Plauen	135	19,5%	1.081	-8,0%
EDSB	Karlsruhe/Baden-Baden	1.287	-2,5%	9.542	-4,8%
EDTL	Lahr	101	-45,7%	1.104	-7,2%
EDVE	Braunschweig-Wolfsburg	974	-2,5%	7.267	-1,7%
EDVK	Kassel-Calden	410	-8,9%	3.566	7,1%
EDXW	Sylt	568	-0,7%	5.028	6,1%
ETNL	Laage	824	-5,3%	7.370	21,3%
ETSI	Ingolstadt/Manching	505	-14,3%	4.091	-3,9%

*The value is of limited conclusiveness (OLC).

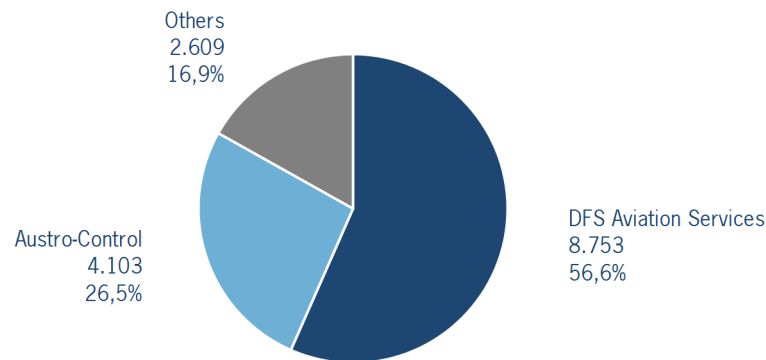
IFR flights at regional German airports - in detail

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)