



# LIZ Air traffic statistics

OCT 2021

DFS Situation and Information Centre

Version 08.11.2021

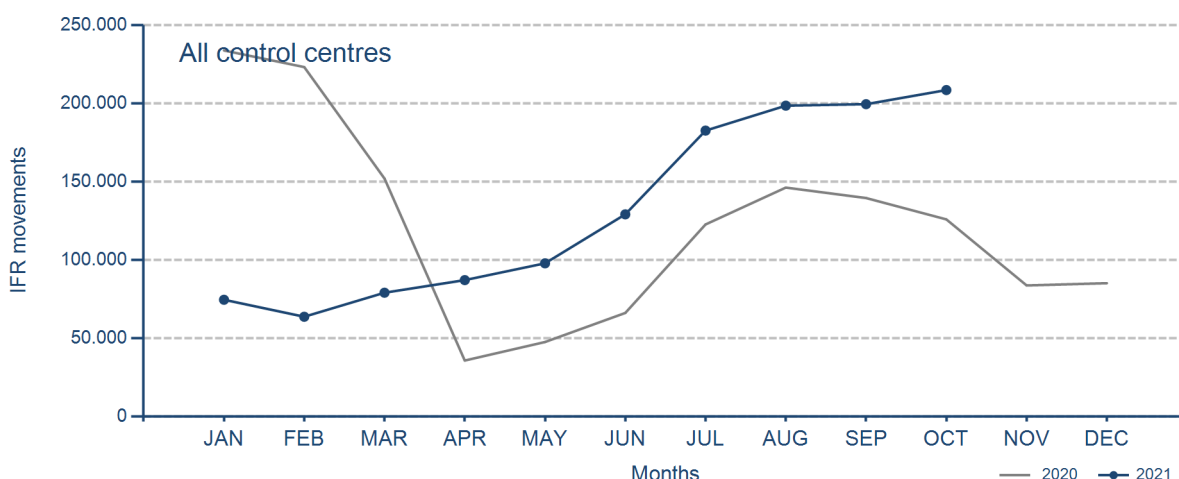
## IFR flights in the Federal Republic of Germany

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

	OCT 2021	OCT 2020	Trend
Civil flights	204.226	121.561	68,0%
Military flights	4.186	4.287	-2,4%
<b>Total</b>	<b>208.412</b>	<b>125.848</b>	<b>65,6%</b>

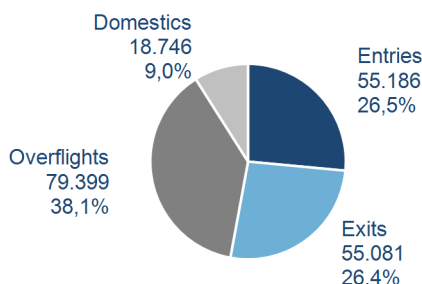
	JAN - OCT 2021	JAN - OCT 2020	Trend
Civil flights	1.282.237	1.256.354	2,1%
Military flights	37.781	35.820	5,5%
<b>Total</b>	<b>1.320.018</b>	<b>1.292.174</b>	<b>2,2%</b>



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.

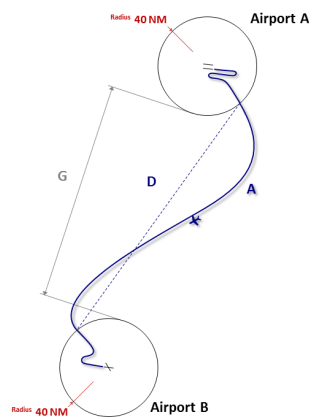


Please note: This count covers the traffic in the area build by all control sectors with a German designator („ED“), regardless of the service provider, including civil and military traffic in sectors controlled by DFS and Maastricht UAC (Maastricht-Hannover sectors). The area counted is composed of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

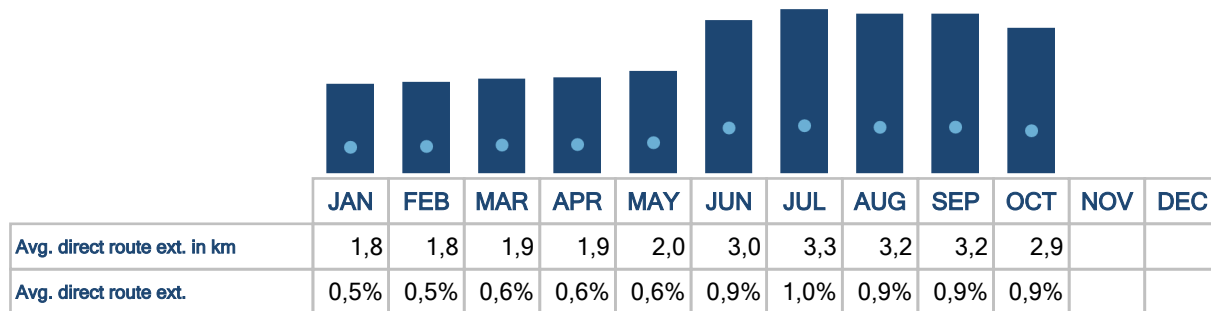
Direct route extension is defined as the difference between the length of the actual route (A) and the direct course (D) between the departure and arrival terminal areas (radius of 40 NM around the airport) or the national border where a flight enters or leaves German airspace. The direct route extension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

OCT 2021	
Evaluated traffic	179.647
Average actual route / flight	342,6 km
Average direct course / flight	339,7 km
Average direct route extension / flight	2,9 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.



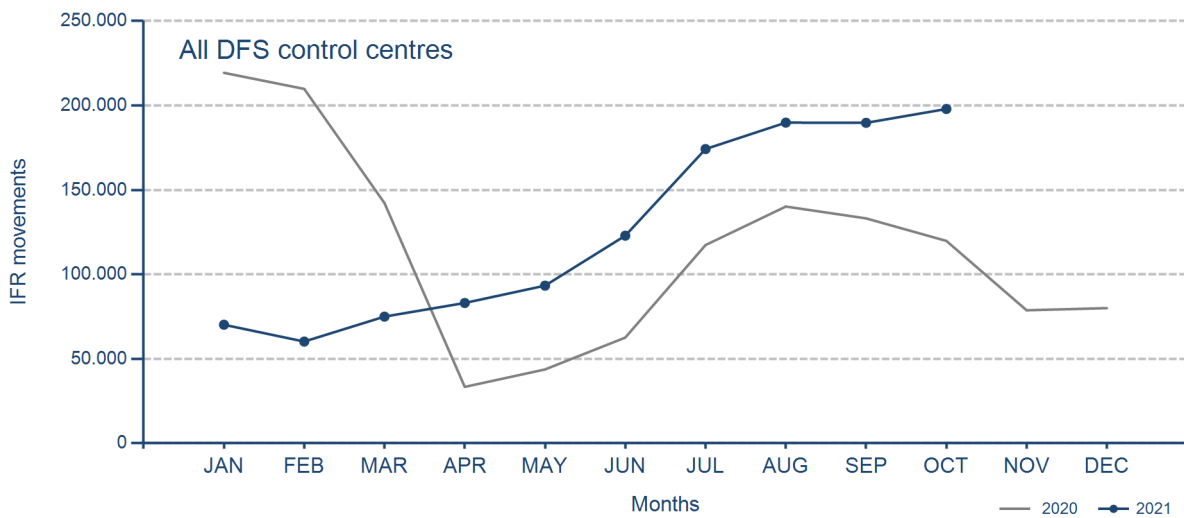
## IFR flights controlled by DFS

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

	OCT 2021	OCT 2020	Trend
<b>Civil flights</b>	193.726	115.610	67,6%
<b>Military flights</b>	4.228	4.253	-0,6%
<b>Total</b>	197.954	119.863	65,2%

	JAN - OCT 2021	JAN - OCT 2020	Trend
<b>Civil flights</b>	1.218.767	1.186.338	2,7%
<b>Military flights</b>	38.017	35.541	7,0%
<b>Total</b>	1.256.784	1.221.879	2,9%

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.



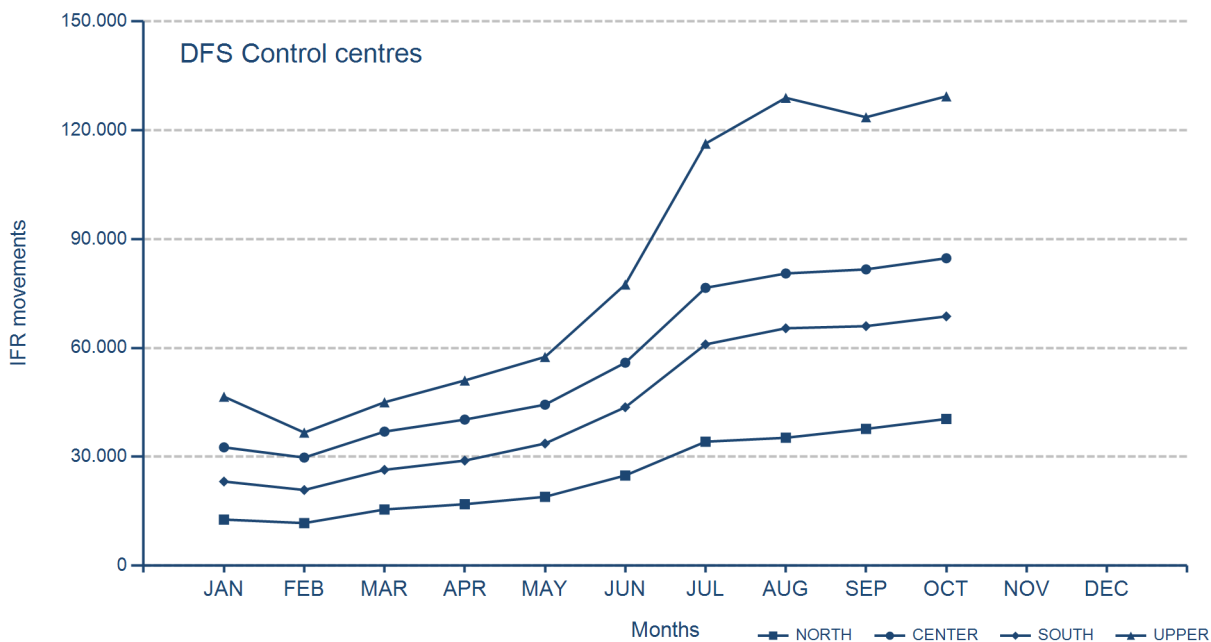
### IFR flights controlled by DFS - in detail

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

	OCT 2021	OCT 2020	Trend
<b>NORTH</b>	40.433	25.664	57,5%
<b>CENTER</b>	84.698	51.788	63,5%
<b>SOUTH</b>	68.686	41.180	66,8%
<b>UPPER</b>	129.303	77.561	66,7%

	JAN - OCT 2021	JAN - OCT 2020	Trend
<b>NORTH</b>	248.301	259.285	-4,2%
<b>CENTER</b>	563.266	534.548	5,4%
<b>SOUTH</b>	437.812	439.801	-0,5%
<b>UPPER</b>	812.305	760.238	6,8%

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.

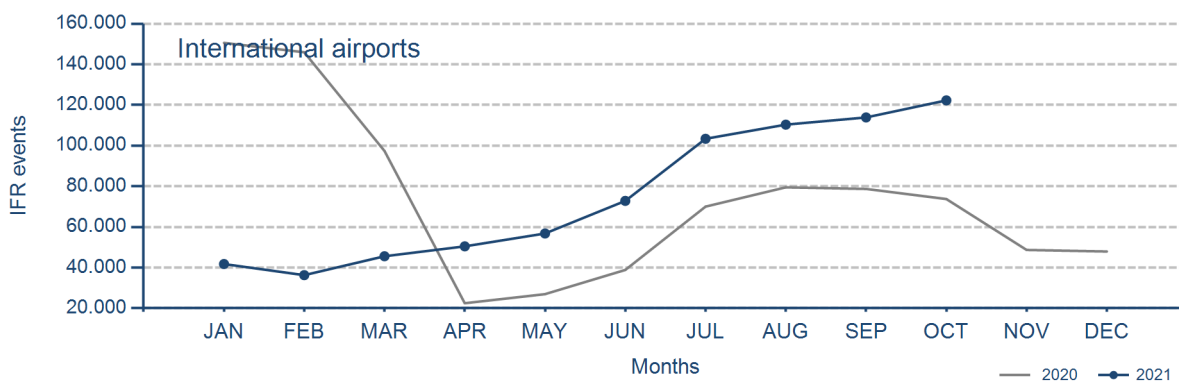
	OCT 2021	OCT 2020	Trend
<b>International Airports</b>	122.300	73.751	65,8%
<b>Regional Airports</b>	13.244	10.656	24,3%
<b>Total</b>	135.544	84.407	60,6%

	JAN - OCT 2021	JAN - OCT 2020	Trend
<b>International Airports</b>	753.761	784.272	-3,9%
<b>Regional Airports</b>	96.685	91.617	5,5%
<b>Total</b>	850.446	875.889	-2,9%

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

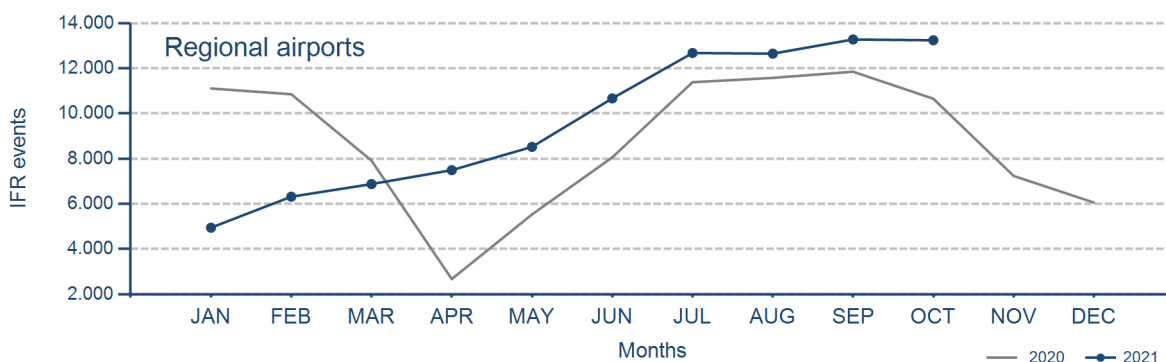
### IFR flights at international German airports

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



### IFR flights at regional German airports

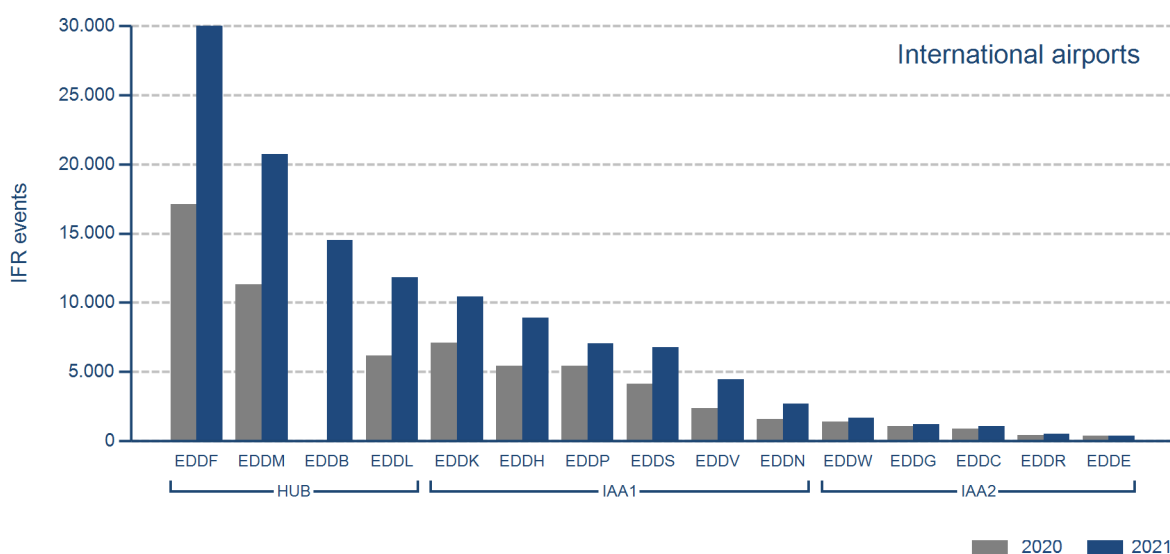
IFR events (take-offs and landings) at the different regional towers in the Federal Republic of Germany with control zone and barely any PPR.



### 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).

	OCT 2021	Trend	JAN - OCT 2021	Trend
<b>HUB</b>				
EDDB Berlin-Brandenburg	14.498	N/A	79.994	N/A
EDDF Frankfurt/Main	29.981	75,3%	204.992	10,3%
EDDL Düsseldorf	11.819	91,3%	64.205	-11,3%
EDDM München	20.713	82,6%	112.214	-15,0%
<b>IAA1</b>				
EDDH Hamburg	8.929	64,9%	48.373	-11,0%
EDDK Köln/Bonn	10.430	46,9%	72.241	5,3%
EDDN Nürnberg	2.714	68,5%	16.028	-12,7%
EDDP Leipzig/Halle	7.073	30,3%	60.289	17,7%
EDDS Stuttgart	6.762	63,0%	41.216	-8,8%
EDDV Hannover	4.479	86,8%	24.870	1,7%
<b>IAA2</b>				
EDDC Dresden	1.073	20,3%	5.595	-30,0%
EDDE Erfurt/Weimar	396	9,1%	2.713	-13,3%
EDDG Münster/Osnabrück	1.227	13,5%	7.583	-18,7%
EDDR Saarbrücken	522	24,0%	3.067	-12,8%
EDDW Bremen	1.684	20,5%	10.381	-22,1%

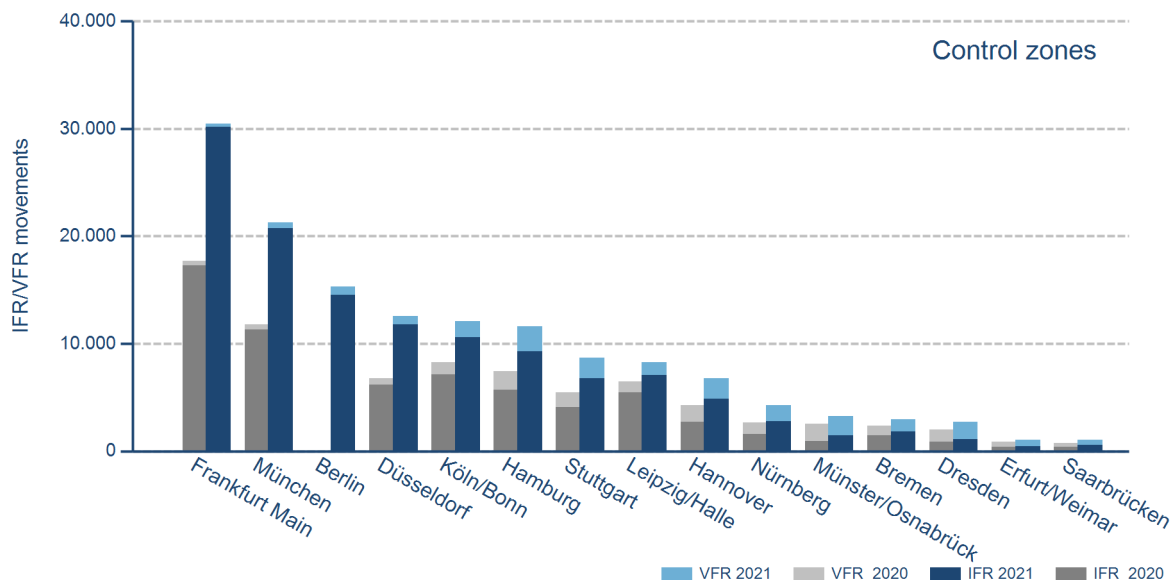


### IFR/VFR flights in control zones of DFS towers

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

	OCT 2021	Trend	JAN - OCT 2021	Trend
Berlin	15.327	N/A	87.728	N/A
Bremen	2.941	24,3%	21.620	-7,0%
Dresden	2.726	34,2%	18.412	-5,1%
Düsseldorf	12.581	86,4%	71.232	-9,9%
Erfurt/Weimar	1.042	19,5%	8.498	0,4%
Frankfurt Main	30.499	72,1%	210.397	10,1%
Hamburg	11.626	56,6%	73.115	-4,4%
Hannover	6.807	60,5%	46.215	5,7%
Köln/Bonn	12.107	46,9%	87.404	8,2%
Leipzig/Halle	8.270	27,5%	71.755	15,9%
München	21.264	80,2%	117.375	-14,4%
Münster/Osnabrück	3.267	29,8%	27.744	10,6%
Nürnberg	4.273	62,2%	29.297	0,0%
Saarbrücken	1.034	32,9%	7.824	9,3%
Stuttgart	8.658	57,6%	57.496	-1,5%

Additional information: Münster reported 442 glider movements for the current month, i.e. 7.777 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.

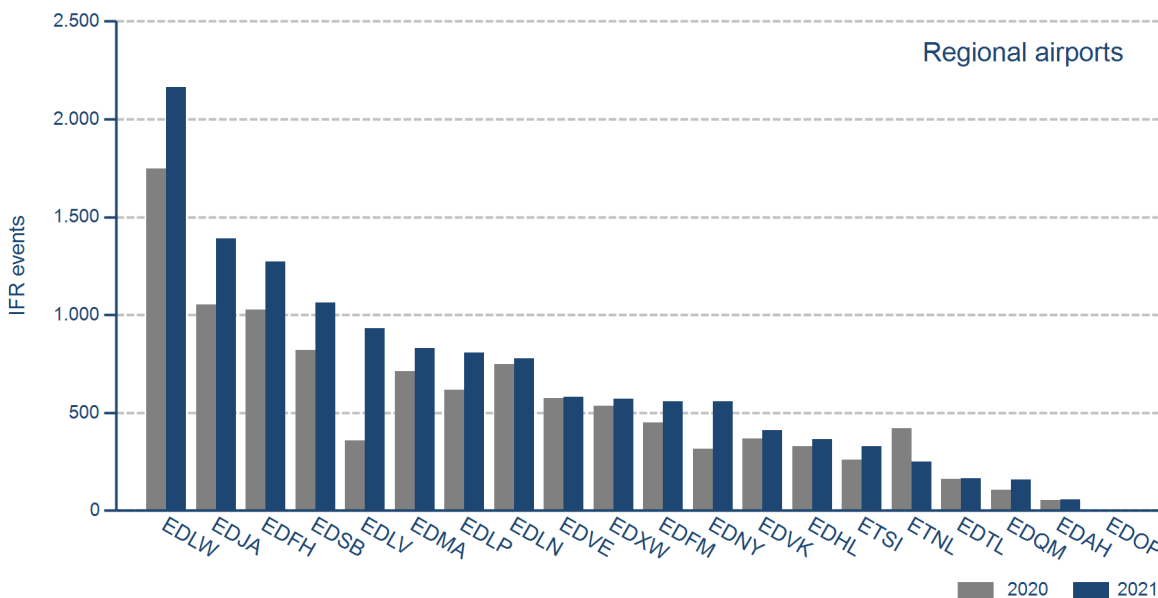
	OCT 2021	Trend	JAN - OCT 2021	Trend
EDAH Heringsdorf	58	9,4%	534	0,0%
EDFH Frankfurt-Hahn	1.271	23,9%	10.151	6,3%
EDFM Mannheim City	559	24,2%	4.113	2,3%
EDHL Lübeck-Blankensee	364	10,6%	2.696	32,0%
EDJA Memmingen	1.390	32,1%	8.853	3,9%
EDLN Mönchengladbach	779	4,0%	7.005	20,3%
EDLP Paderborn/Lippstadt	807	31,0%	5.267	8,0%
EDLV Niederrhein	933	161,3%	4.503	37,8%
EDLW Dortmund	2.162	23,8%	14.868	4,3%
EDMA Augsburg	831	16,5%	6.639	13,4%
EDNY Friedrichshafen	558	77,1%	3.249	-18,7%
EDOP Schwerin-Parchim	0	N/A	0	N/A
EDQM Hof-Plauen	160	52,4%	1.251	6,7%
EDSB Karlsruhe/Baden-Baden	1.064	29,9%	7.599	3,2%
EDTL Lahr	164	1,2%	1.181	14,4%
EDVE Braunschweig-Wolfsburg	581	1,0%	4.326	-4,8%
EDVK Kassel-Calden	412	11,7%	2.992	-9,5%
EDXW Sylt	571	6,3%	5.104	8,3%
ETNL Laage	250	-40,8%	4.218	-1,8%
ETSI Ingolstadt/Manching	330	26,4%	2.136	-13,1%

\*The value is of limited conclusiveness (OLC).



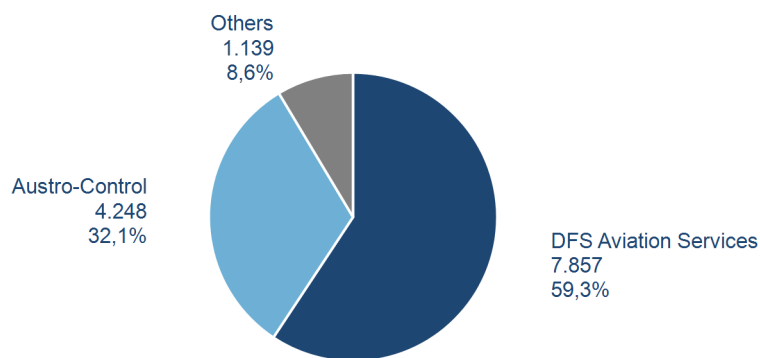
### IFR flights at regional German airports - in detail

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)