



LIZ Air traffic statistics

FEB 2021

DFS Situation and Information Centre

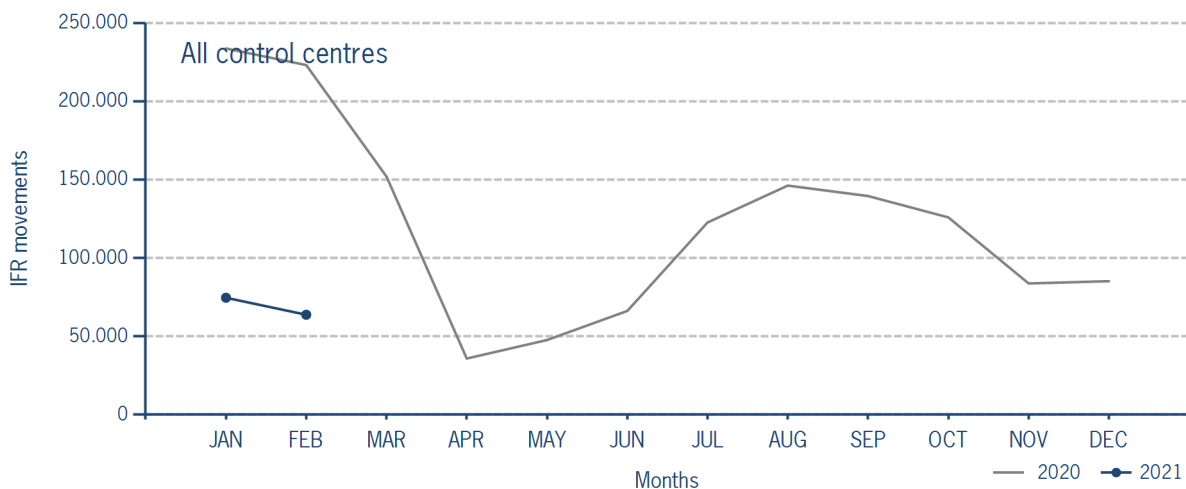
Version 02.03.2021

IFR flights in the Federal Republic of Germany

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

| | FEB 2021 | FEB 2020 | Trend |
|------------------|---------------|----------------|---------------|
| Civil flights | 60.453 | 220.025 | -72,5% |
| Military flights | 3.236 | 3.067 | 5,5% |
| Total | 63.689 | 223.092 | -71,5% |

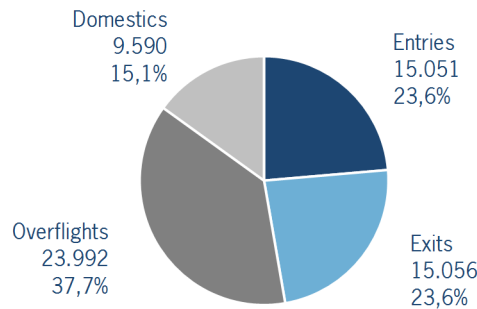
| | JAN - FEB 2021 | JAN - FEB 2020 | Trend |
|------------------|----------------|----------------|---------------|
| Civil flights | 132.011 | 450.076 | -70,7% |
| Military flights | 6.221 | 6.705 | -7,2% |
| Total | 138.232 | 456.781 | -69,7% |



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.

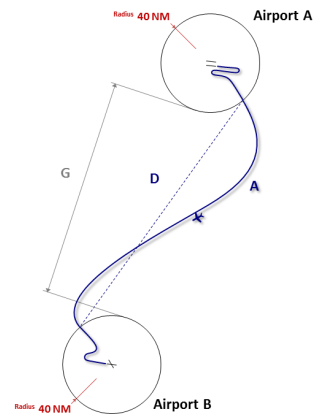


Please note: This count covers the traffic in the area build by all control sectors with a German designator („ED“), regardless of the service provider, including civil and military traffic in sectors controlled by DFS and Maastricht UAC (Maastricht-Hannover sectors). The area counted is composed of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

| FEB 2021 | |
|---|----------|
| Evaluated traffic | 51.335 |
| Average actual route / flight | 337,6 km |
| Average direct course / flight | 335,7 km |
| Average direct route extension / flight | 1,8 km |
| Average direct route extension / flight | 0,5% |



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.

| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|------------------------------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Avg. direct route ext. in km | 1,8 | 1,8 | | | | | | | | | | |
| Avg. direct route ext. | 0,5% | 0,5% | | | | | | | | | | |

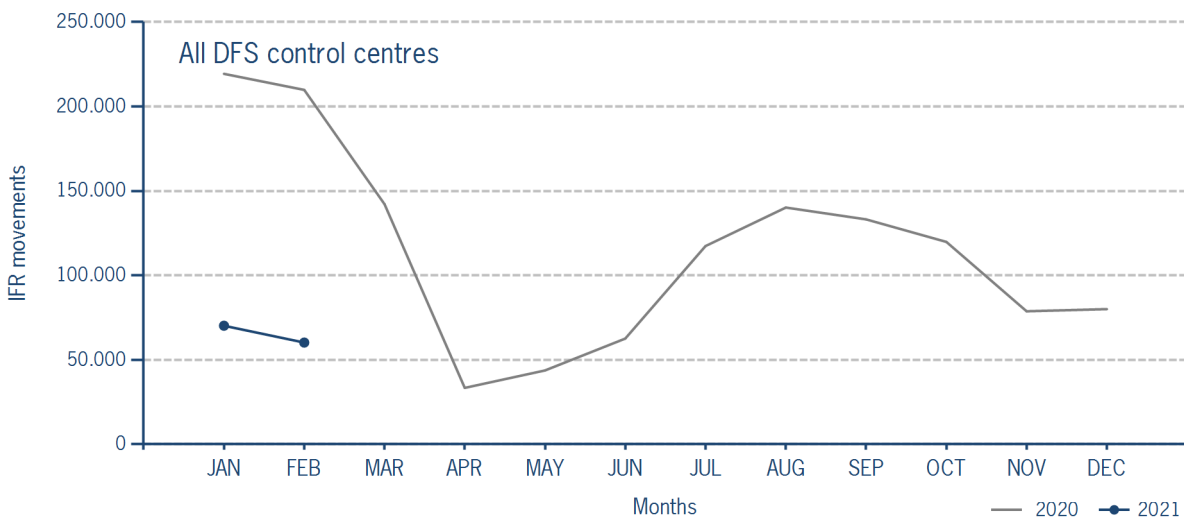
IFR flights controlled by DFS

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

| | FEB 2021 | FEB 2020 | Trend |
|-------------------------|----------|----------|--------|
| Civil flights | 56.996 | 206.804 | -72,4% |
| Military flights | 3.265 | 3.037 | 7,5% |
| Total | 60.261 | 209.841 | -71,3% |

| | JAN - FEB 2021 | JAN - FEB 2020 | Trend |
|-------------------------|----------------|----------------|--------|
| Civil flights | 124.172 | 422.544 | -70,6% |
| Military flights | 6.317 | 6.658 | -5,1% |
| Total | 130.489 | 429.202 | -69,6% |

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.



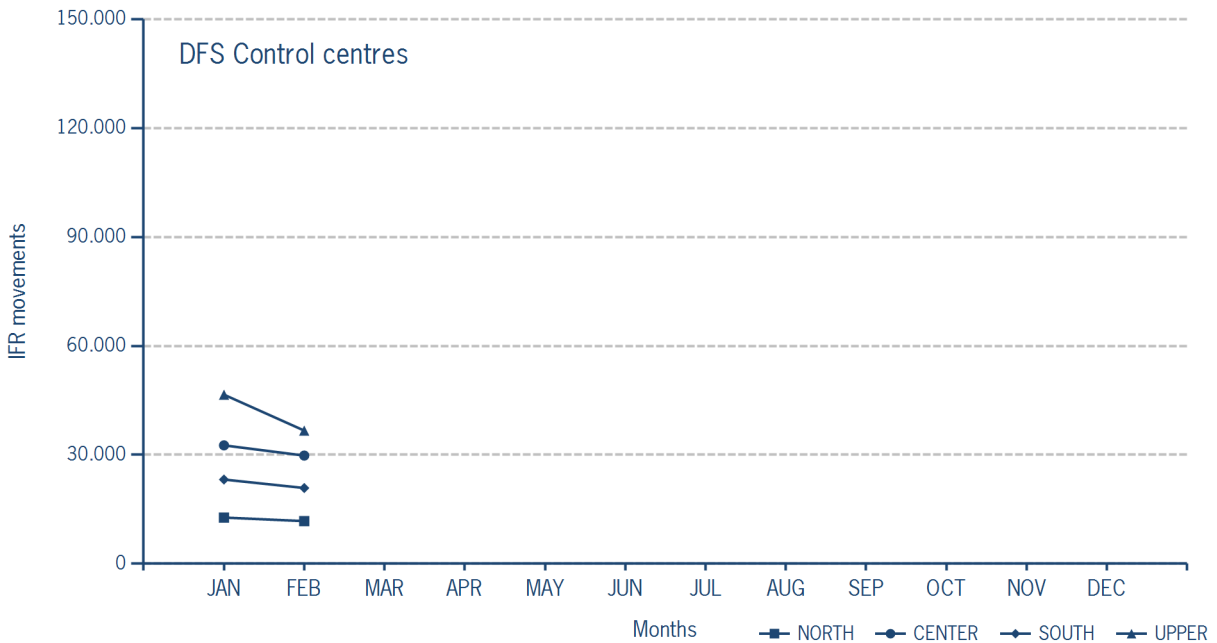
IFR flights controlled by DFS - in detail

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

| | FEB 2021 | FEB 2020 | Trend |
|--------|----------|----------|--------|
| NORTH | 11.744 | 44.855 | -73,8% |
| CENTER | 29.797 | 90.129 | -66,9% |
| SOUTH | 20.861 | 81.234 | -74,3% |
| UPPER | 36.678 | 127.458 | -71,2% |

| | JAN - FEB 2021 | JAN - FEB 2020 | Trend |
|--------|----------------|----------------|--------|
| NORTH | 24.468 | 90.850 | -73,1% |
| CENTER | 62.404 | 182.999 | -65,9% |
| SOUTH | 44.060 | 165.026 | -73,3% |
| UPPER | 83.249 | 262.112 | -68,2% |

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.

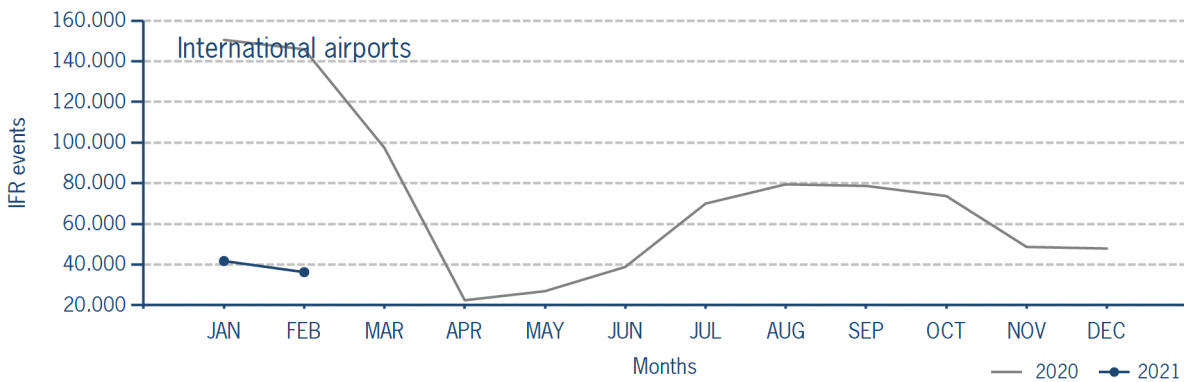
| | FEB 2021 | FEB 2020 | Trend |
|-------------------------------|----------|----------|--------|
| International Airports | 36.301 | 145.972 | -75,1% |
| Regional Airports | 6.317 | 10.855 | -41,8% |
| Total | 42.618 | 156.827 | -72,8% |

| | JAN - FEB 2021 | JAN - FEB 2020 | Trend |
|-------------------------------|----------------|----------------|--------|
| International Airports | 78.075 | 296.562 | -73,7% |
| Regional Airports | 11.263 | 21.965 | -48,7% |
| Total | 89.338 | 318.527 | -72,0% |

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

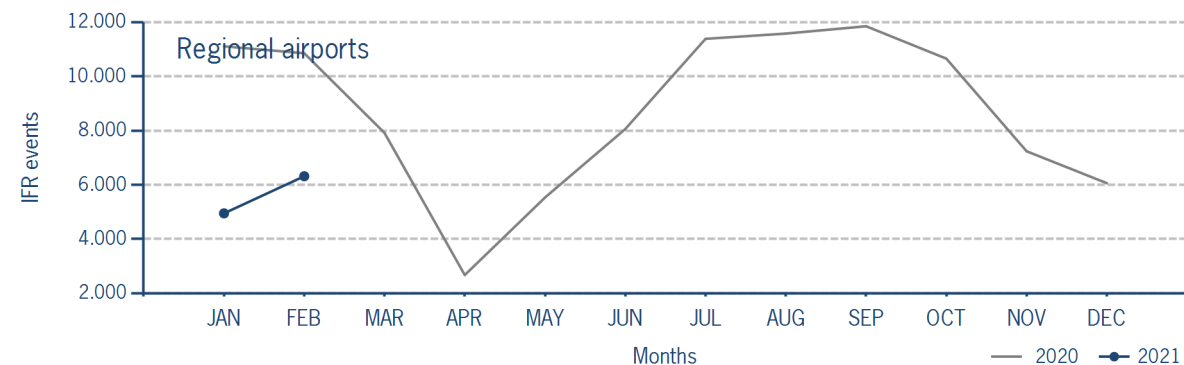
IFR flights at international German airports

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



IFR flights at regional German airports

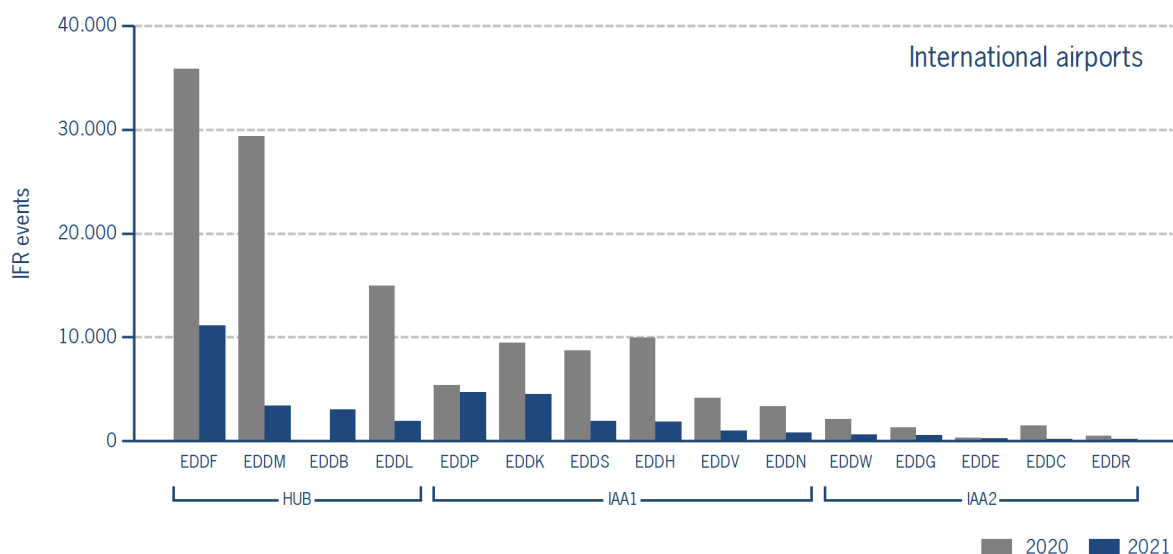
IFR events (take-offs and landings) at the different regional towers in the Federal Republic of Germany with control zone and barely any PPR.



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).

| | | FEB 2021 | Trend | JAN - FEB 2021 | Trend |
|-------------|--------------------|----------|--------|----------------|--------|
| HUB | | | | | |
| EDDB | Berlin-Brandenburg | 3.039 | N/A | 6.971 | N/A |
| EDDF | Frankfurt/Main | 11.123 | -69,0% | 24.335 | -66,3% |
| EDDL | Düsseldorf | 1.960 | -86,9% | 4.620 | -84,9% |
| EDDM | München | 3.419 | -88,4% | 8.328 | -86,1% |
| IAA1 | | | | | |
| EDDH | Hamburg | 1.873 | -81,3% | 4.180 | -79,4% |
| EDDK | Köln/Bonn | 4.511 | -52,3% | 9.048 | -53,6% |
| EDDN | Nürnberg | 835 | -74,9% | 1.529 | -77,6% |
| EDDP | Leipzig/Halle | 4.724 | -12,7% | 9.740 | -11,6% |
| EDDS | Stuttgart | 1.919 | -78,0% | 3.893 | -78,0% |
| EDDV | Hannover | 1.036 | -75,0% | 2.122 | -74,8% |
| IAA2 | | | | | |
| EDDC | Dresden | 202 | -86,6% | 420 | -86,1% |
| EDDE | Erfurt/Weimar | 235 | -22,2% | 400 | -32,1% |
| EDDG | Münster/Osnabrück | 579 | -56,3% | 963 | -63,6% |
| EDDR | Saarbrücken | 188 | -61,7% | 341 | -66,1% |
| EDDW | Bremen | 658 | -68,7% | 1.185 | -71,8% |

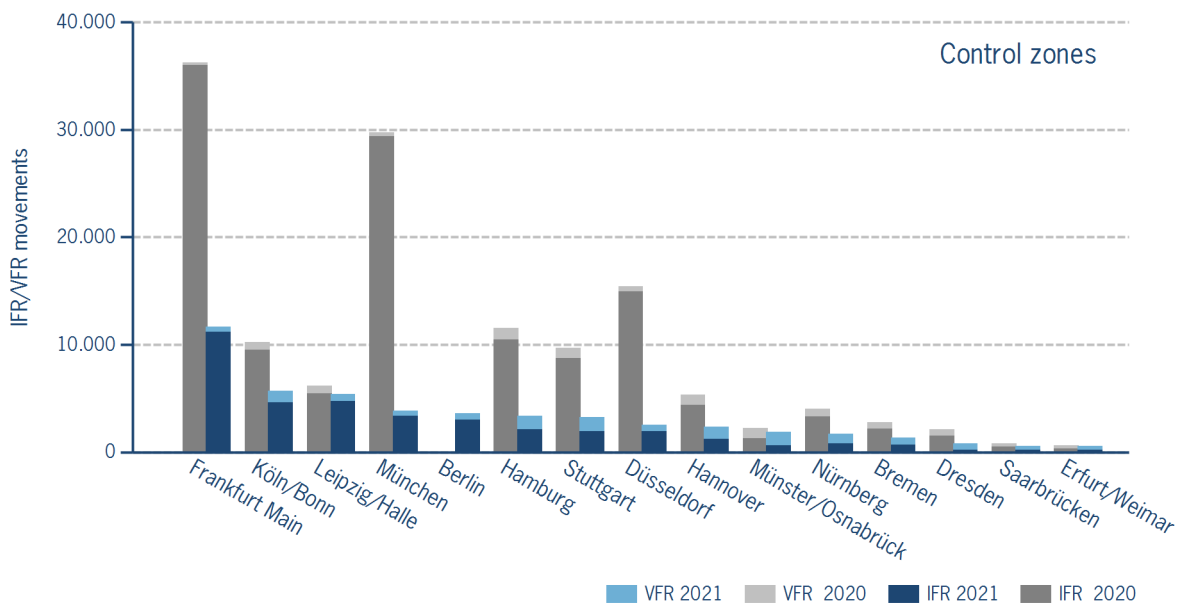


IFR/VFR flights in control zones of DFS towers

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

| | FEB 2021 | Trend | JAN - FEB 2021 | Trend |
|-------------------|----------|--------|----------------|--------|
| Berlin | 3.599 | N/A | 7.865 | N/A |
| Bremen | 1.353 | -51,1% | 2.403 | -55,6% |
| Dresden | 799 | -62,1% | 1.379 | -68,1% |
| Düsseldorf | 2.536 | -83,5% | 5.603 | -82,2% |
| Erfurt/Weimar | 545 | -14,8% | 894 | -30,7% |
| Frankfurt Main | 11.653 | -67,9% | 25.258 | -65,4% |
| Hamburg | 3.405 | -70,5% | 6.746 | -70,7% |
| Hannover | 2.356 | -56,1% | 4.572 | -58,4% |
| Köln/Bonn | 5.732 | -44,1% | 10.847 | -48,5% |
| Leipzig/Halle | 5.410 | -12,3% | 10.903 | -12,2% |
| München | 3.862 | -87,0% | 9.051 | -85,1% |
| Münster/Osnabrück | 1.900 | -14,5% | 2.879 | -32,8% |
| Nürnberg | 1.717 | -57,7% | 2.826 | -65,5% |
| Saarbrücken | 557 | -29,8% | 848 | -43,8% |
| Stuttgart | 3.262 | -66,4% | 5.748 | -70,7% |

Additional information: Münster reported 208 glider movements for the current month, i.e. 208 glider movements for the cumulated year.



IFR flights at regional German airports - in detail

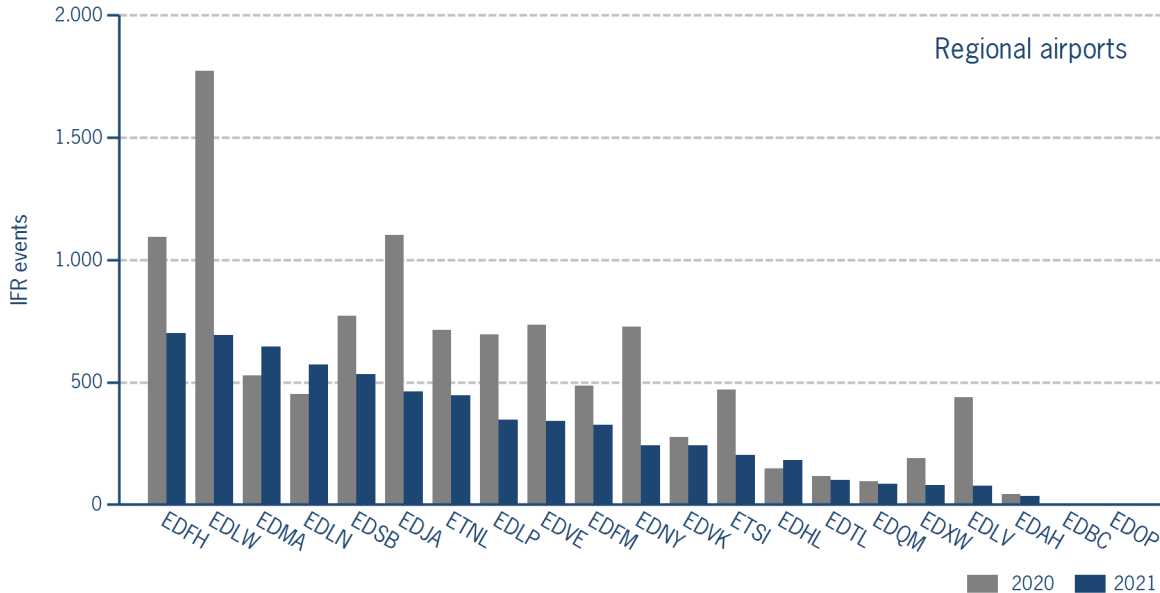
IFR events (take-offs and landings) at the different regional towers in the Federal Republic of Germany with control zone and barely any PPR.

| | FEB 2021 | Trend | JAN - FEB 2021 | Trend |
|-----------------------------|----------|--------|----------------|--------|
| EDAH Heringsdorf | 35 | -16,7% | 43 | -68,1% |
| EDBC Magdeburg/Cochstedt | 0 | N/A | 0 | N/A |
| EDFH Frankfurt-Hahn | 701 | -35,9% | 1.392 | -34,9% |
| EDFM Mannheim City | 327 | -32,9% | 607 | -36,5% |
| EDHL Lübeck-Blankensee | 181 | 23,1% | 319 | 14,3% |
| EDJA Memmingen | 463 | -58,0% | 859 | -61,8% |
| EDLN Mönchengladbach | 573 | 26,5% | 986 | 11,2% |
| EDLP Paderborn/Lippstadt | 347 | -50,1% | 536 | -61,5% |
| EDLV Niederrhein | 77 | -82,4% | 164 | -82,7% |
| EDLW Dortmund | 692 | -61,0% | 1.402 | -61,6% |
| EDMA Augsburg | 645 | 22,4% | 963 | -1,4% |
| EDNY Friedrichshafen | 243 | -66,6% | 380 | -75,6% |
| EDOP Schwerin-Parchim | 0 | N/A | 0 | N/A |
| EDQM Hof-Plauen | 84 | -12,5% | 127 | -35,5% |
| EDSB Karlsruhe/Baden-Baden | 532 | -31,0% | 1.009 | -36,5% |
| EDTL Lahr | 102 | -12,1% | 168 | -18,0% |
| EDVE Braunschweig-Wolfsburg | 341 | -53,6% | 603 | -56,9% |
| EDVK Kassel-Calden | 242 | -12,6% | 397 | -27,4% |
| EDXW Sylt | 80 | -57,9% | 215 | -53,7% |
| ETNL Laage | 448 | -37,3% | 804 | -48,6% |
| ETSI Ingolstadt/Manching | 204 | -56,5% | 289 | -65,5% |

*The value is of limited conclusiveness (OLC).

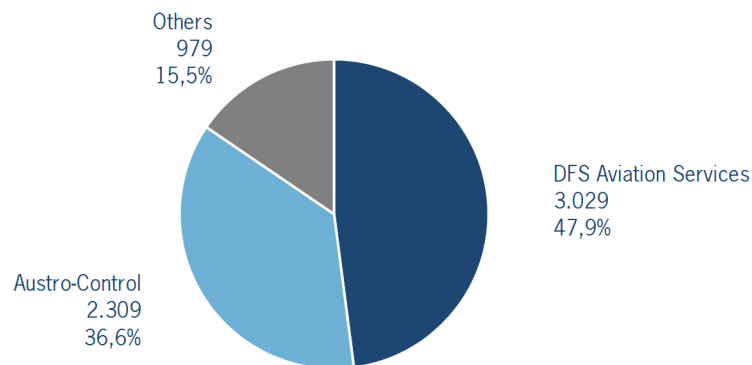
IFR flights at regional German airports - in detail

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)