



Airspace
Supervision &
Efficiency
Center



Air Traffic Statistics Report July 2025

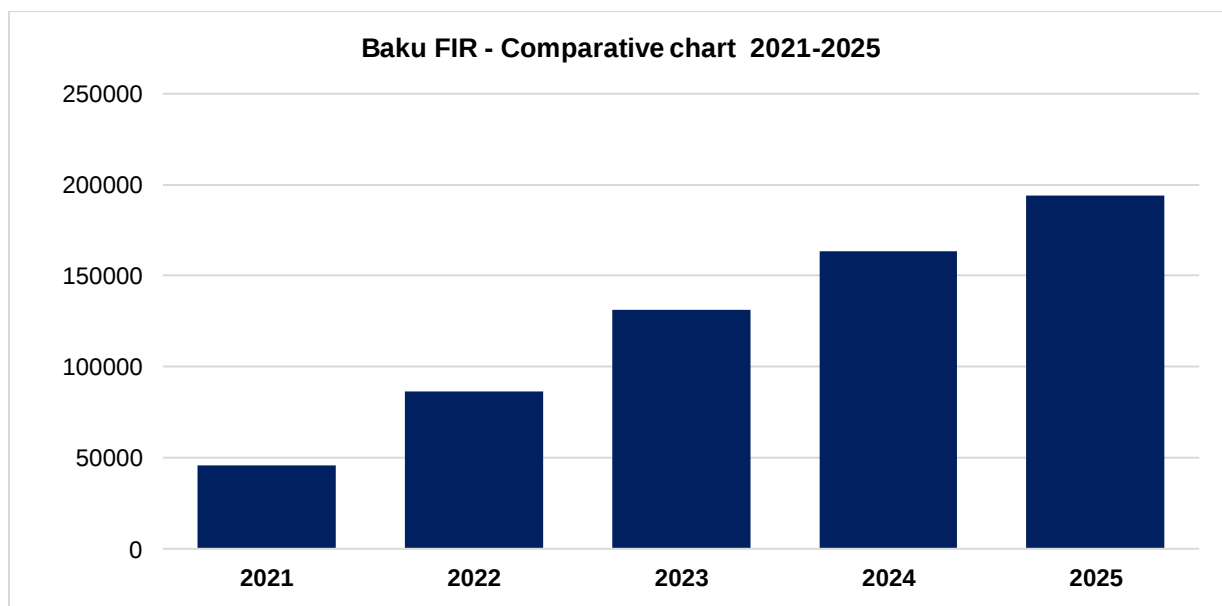
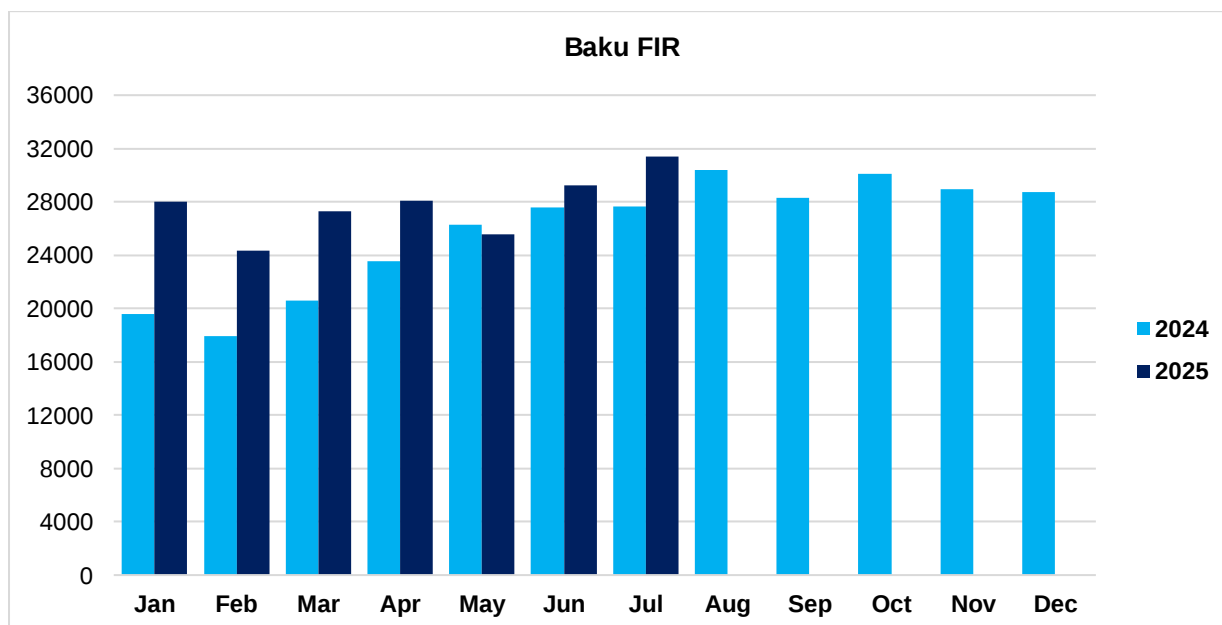
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1 Baku FIR Air Traffic Statistics Data (IFR movements).

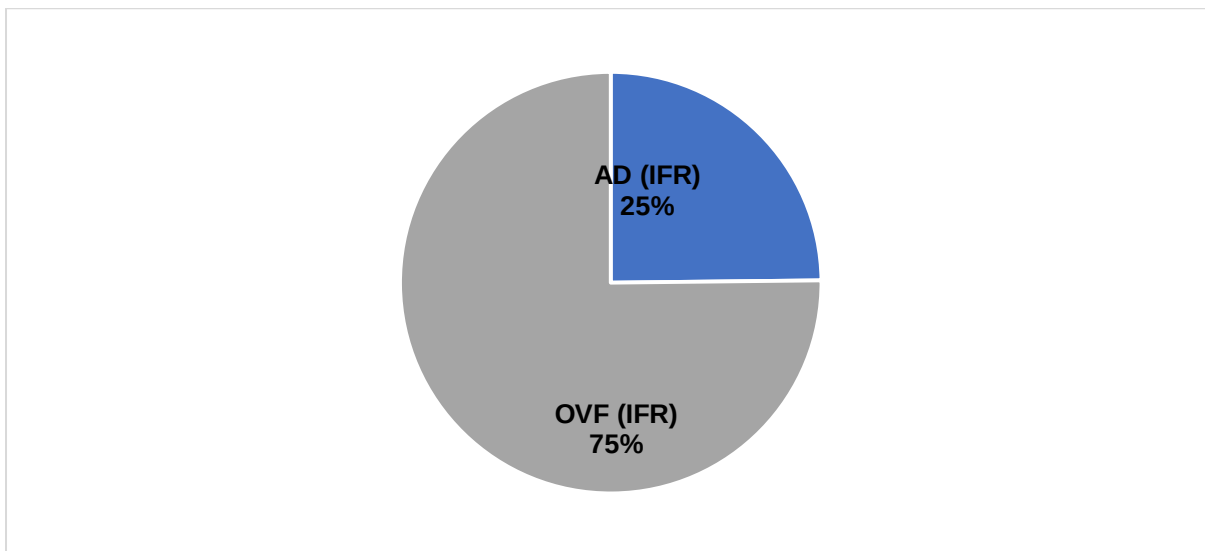
1.1 General Air Traffic Statistics Data

The number of IFR movements within Baku FIR recorded in July is **31 383** ACFT. Average number of IFR movements per day is **1012** ACFT (Peak day, July 4, 2025 **1080** ACFT; low day, July 7, 2025 –**944** ACFT). Comparison with July 2024 +13,36%.

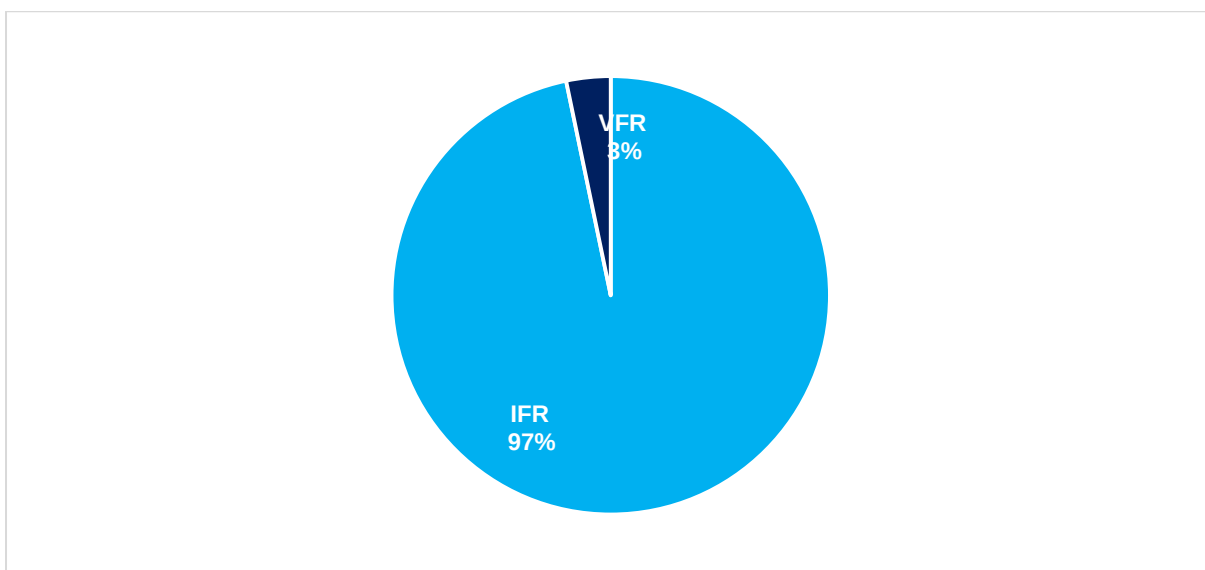


1.2 Traffic Segments.

1.2.1 The number of IFR movements within Baku FIR recorded in July is **31 383** ACFT, where **23419** ACFT are overflight traffic and **7964** ACFT are aerodrome movements.



1.2.2 Total number of movements within Baku FIR recorded in July is **32 476** ACFT, where **31 383** ACFT are IFR movements and **1093** ACFT are VFR movements. Average number of movements per day is **1048** ACFT. Comparison with July 2024 – **+13,3%**.

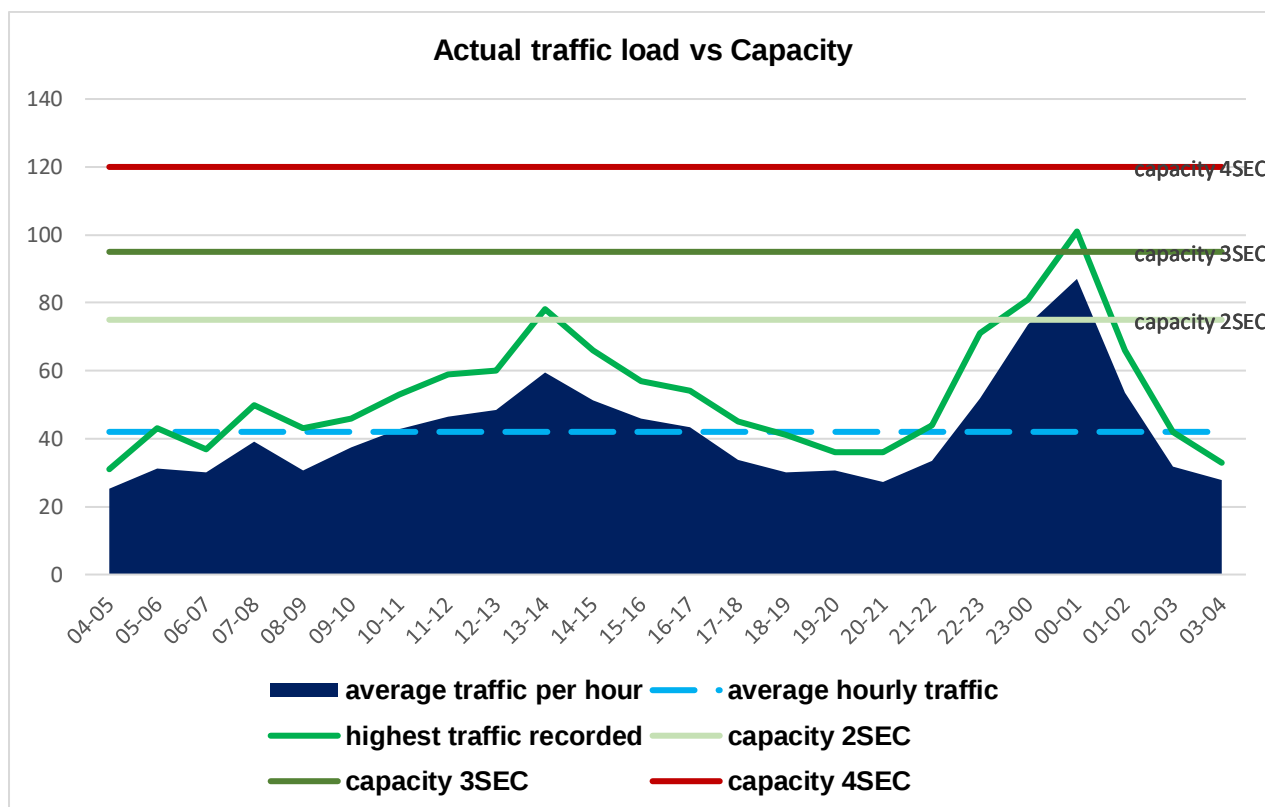


1.3 Capacity vs traffic demand

Highest traffic recorded **101 ACFT** (July 13, 2025 00:00-01:00)

Peak hour (July average data):	00:00-01:00	87 ACFT
	23:00-00:00	74 ACFT
	01:00-02:00	54 ACFT
	11:00-12:00	47 ACFT
	12:00-13:00	48 ACFT

The following picture reflects the traffic demand by hour vs capacity of Baku FIR.

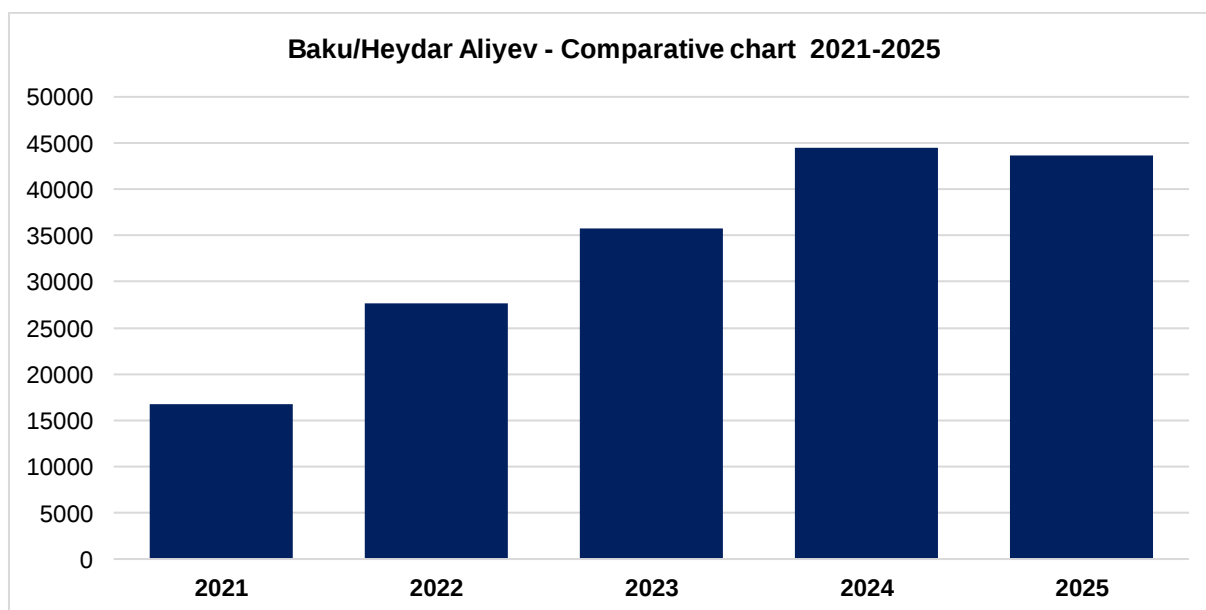
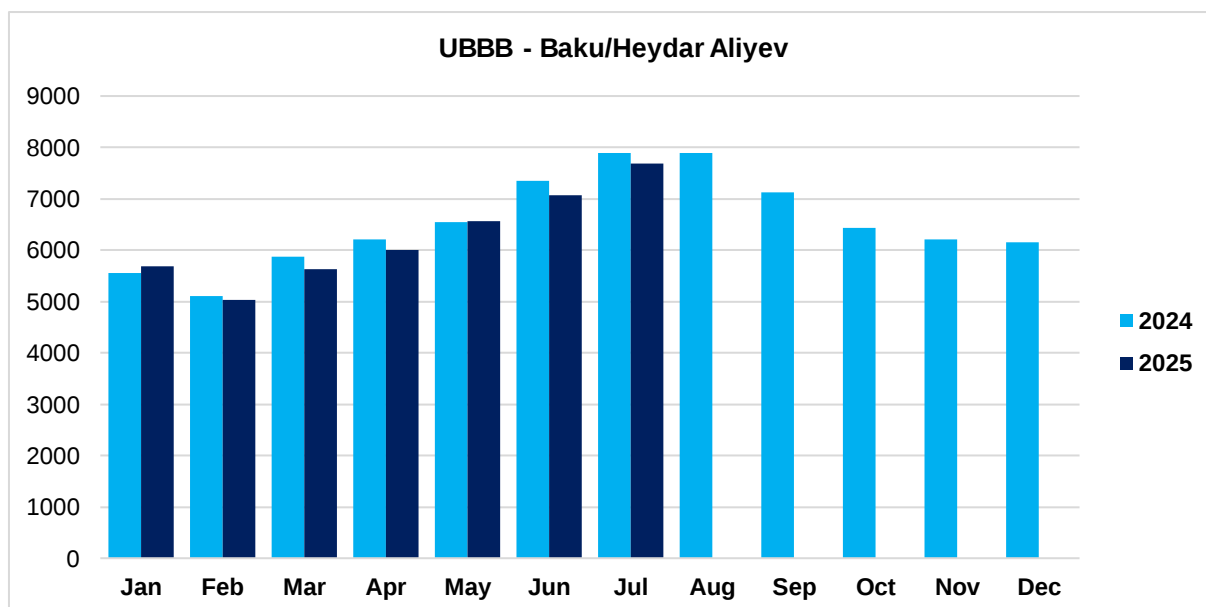


2. Aerodrome Movements Statistics Data.

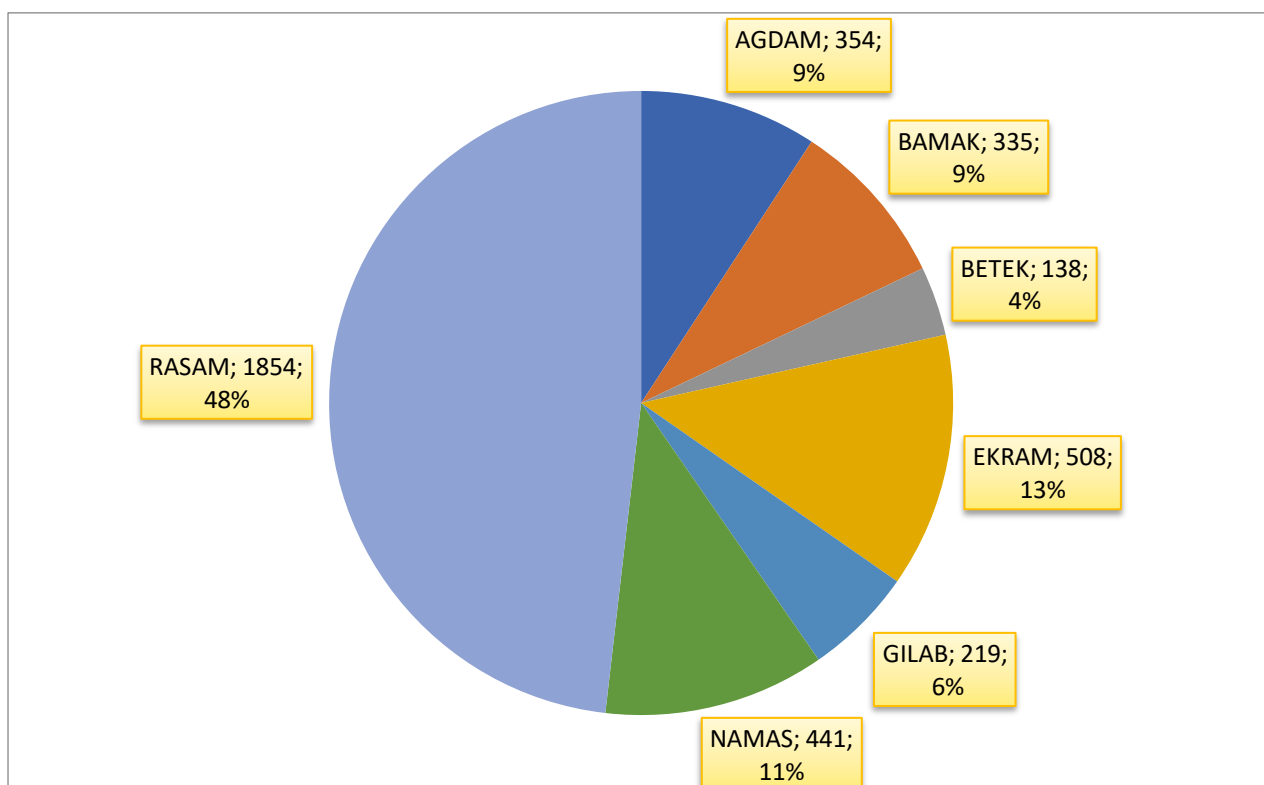
2.1 Heydar Aliyev International airport.

Total number of movements at Baku/Heydar International Aliyev airport recorded in July is **7724** ACFT. Average number of movements per day is **249** ACFT (Peak day, July 12, 2025 -**275** ACFT; low day, July 20, 2025 –**229** ACFT).

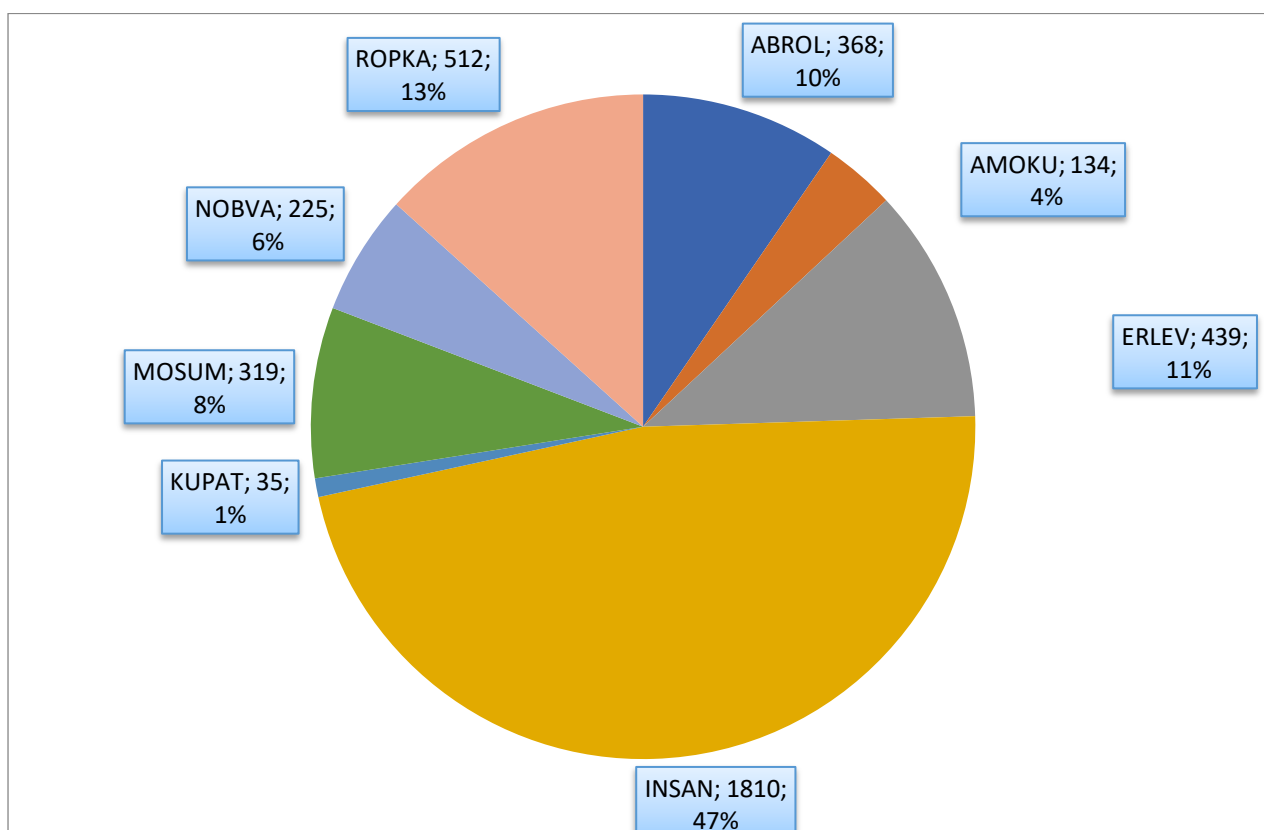
Comparison with July 2024 – **-2,6%**.



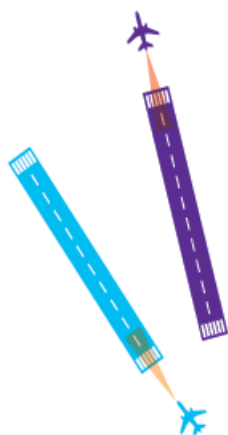
2.1.3 Air traffic flows – Load of SIDs.



2.1.4 Air traffic flows – Load of STARs.



2.1.5 Use of RWY 16/34 and 17/35



Takeoff:

RWY 16/34	2063 ACFT
RWY 17/35	1788 ACFT

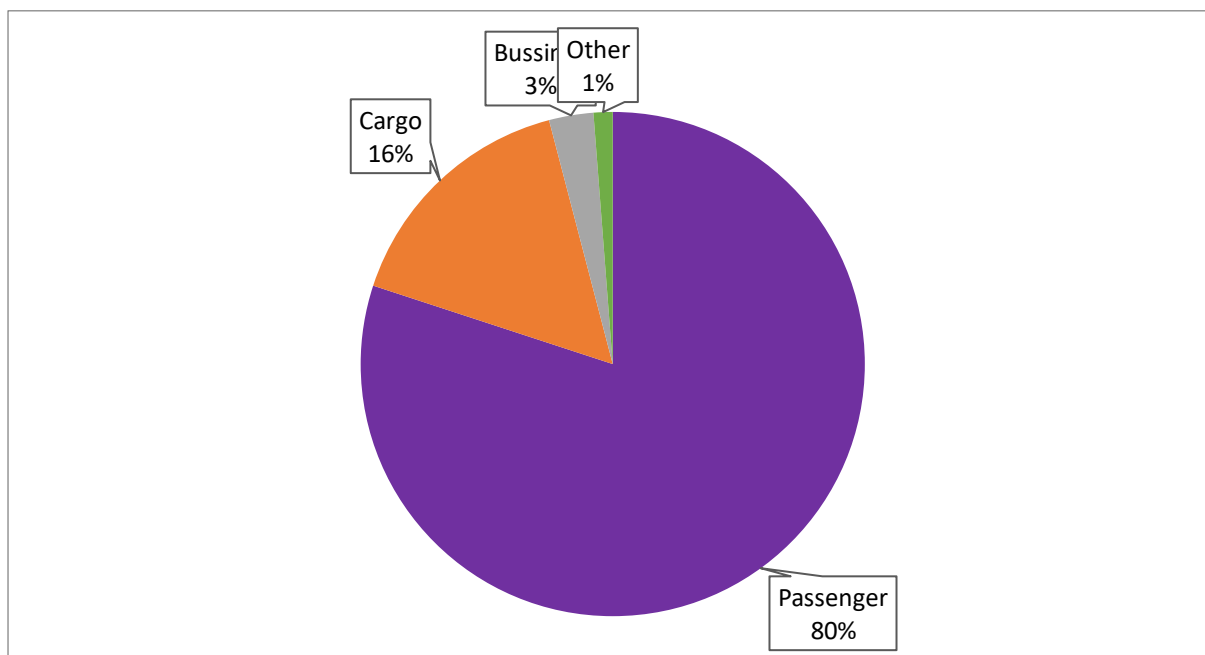
Landing:

RWY 16/34	2249 ACFT
RWY 17/35	1593 ACFT

Total:

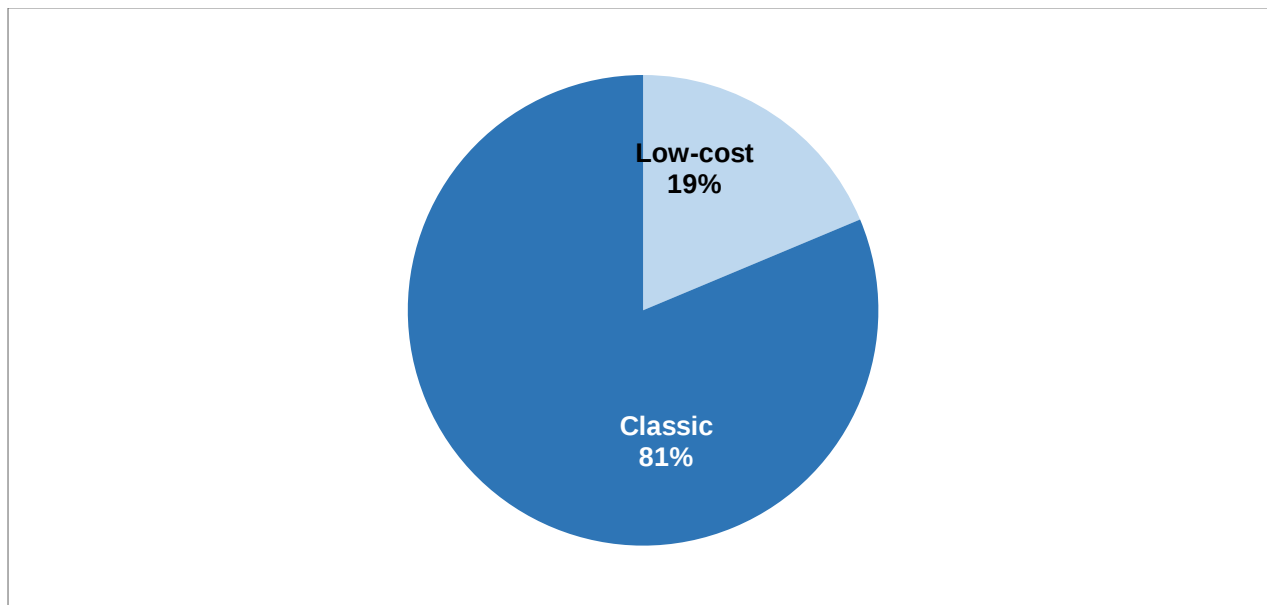
RWY 16/34	4312 ACFT
RWY 17/35	3381 ACFT

2.1.6 Types of flights

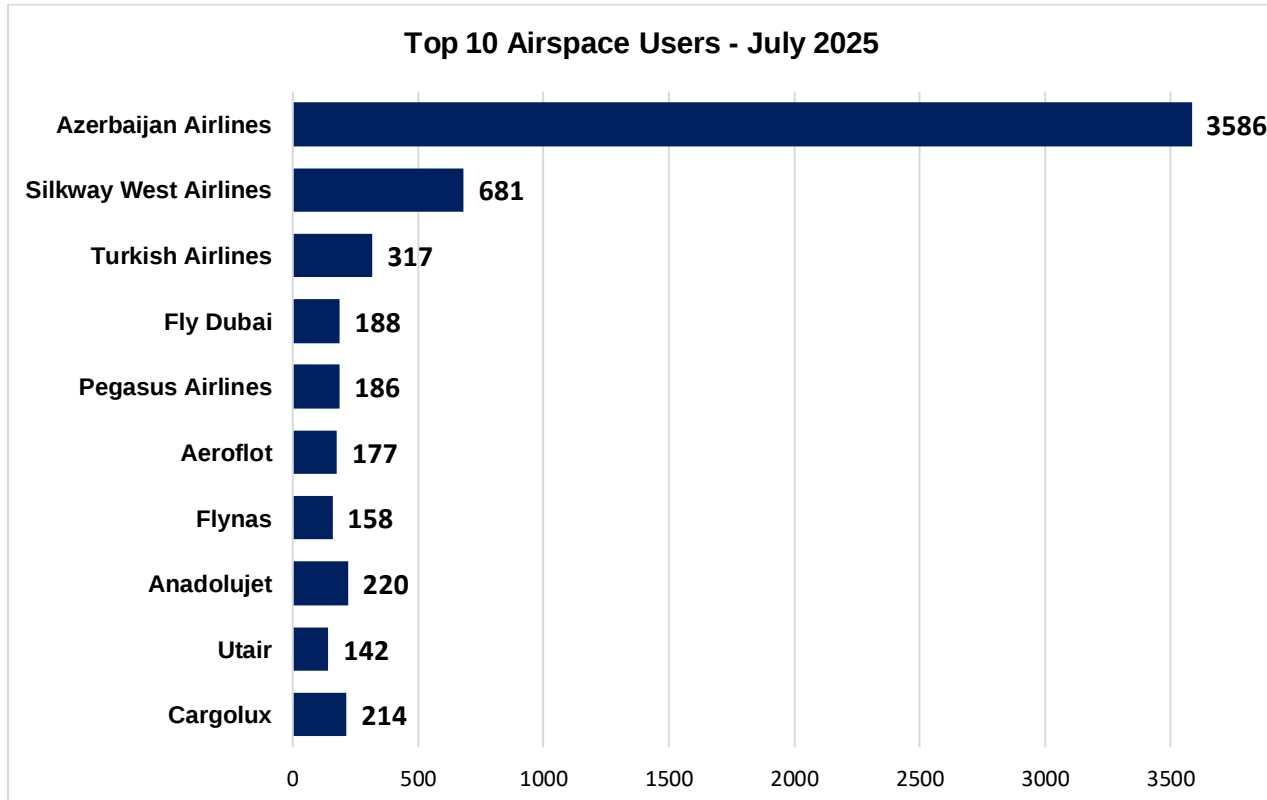


2.1.7 Passenger flights (Budget/low-cost vs classic)

Budget/low-cost airlines: **Fly Dubai, Air Arabia, Air Arabia Abu Dhabi, Jazeera Airways, Pegasus Airlines, Flynas, Fly Arystan, Anadolujet, Flyadeal, SalamAir, WizzAir and WizzAir Abu Dhabi.**

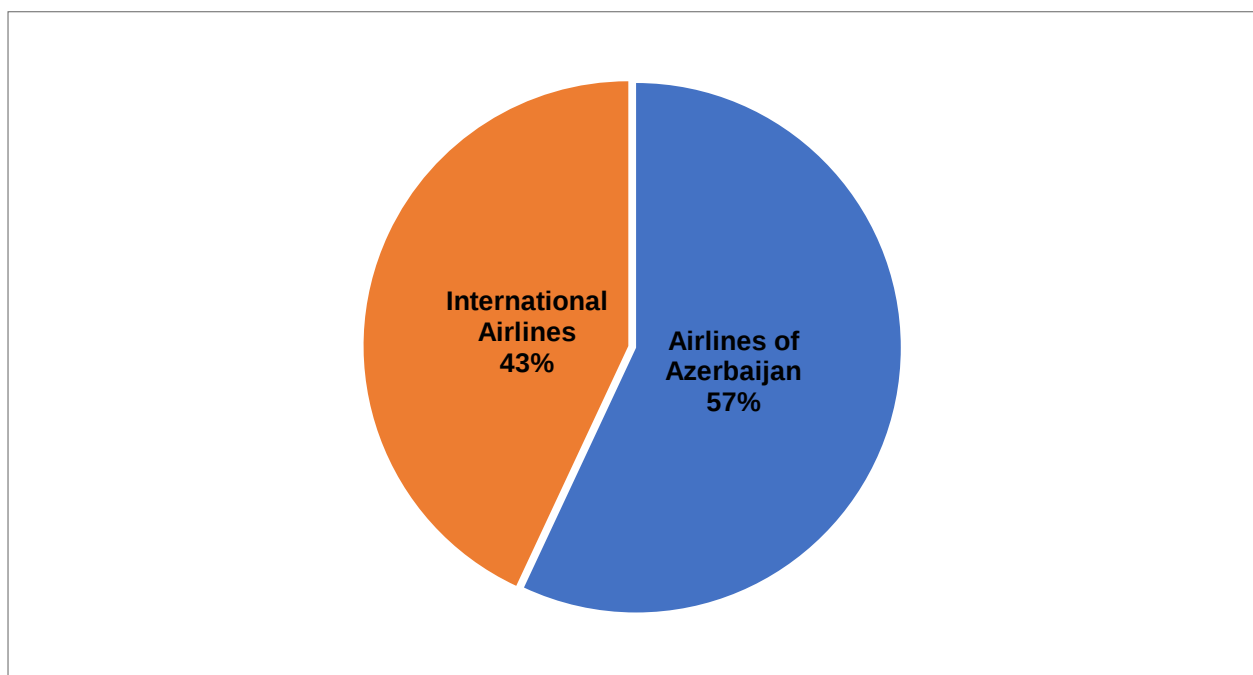


2.1.8 Aircraft Operators – Top 10 Airspace Users

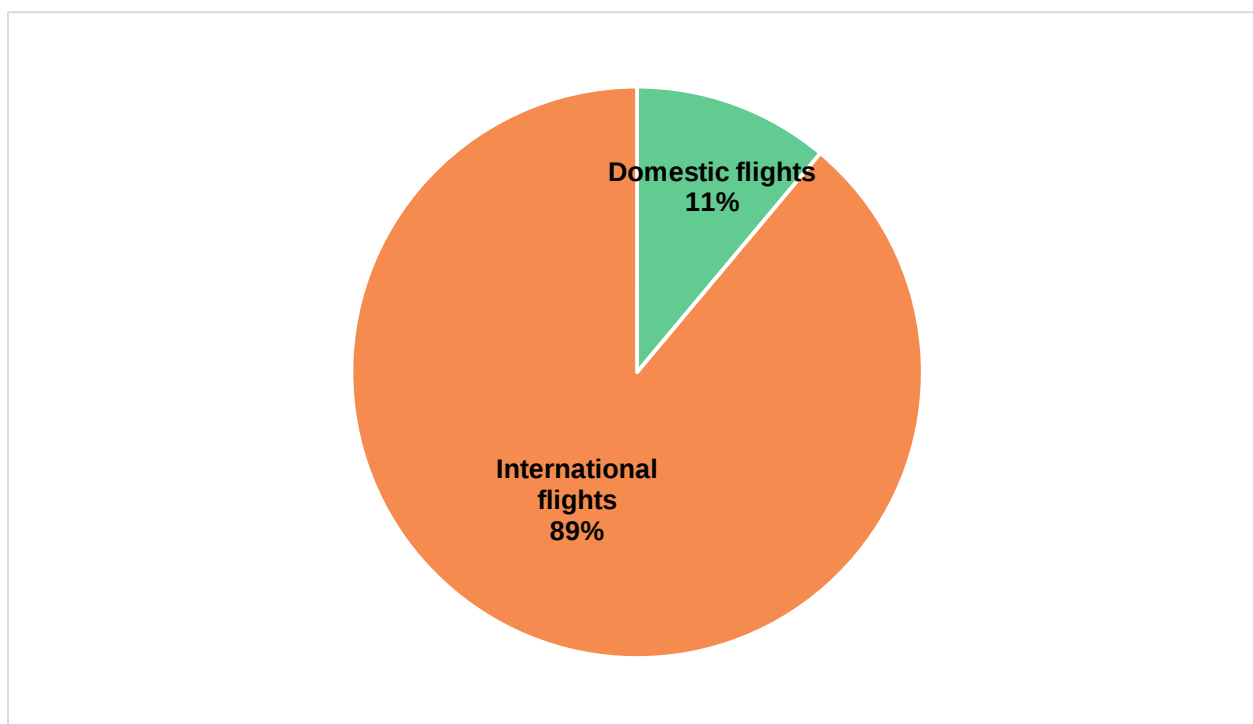


Note: This chart shows the number of flights in **July 2025**.

2.1.9 Aircraft Operators – Airlines of Azerbaijan vs international airlines.

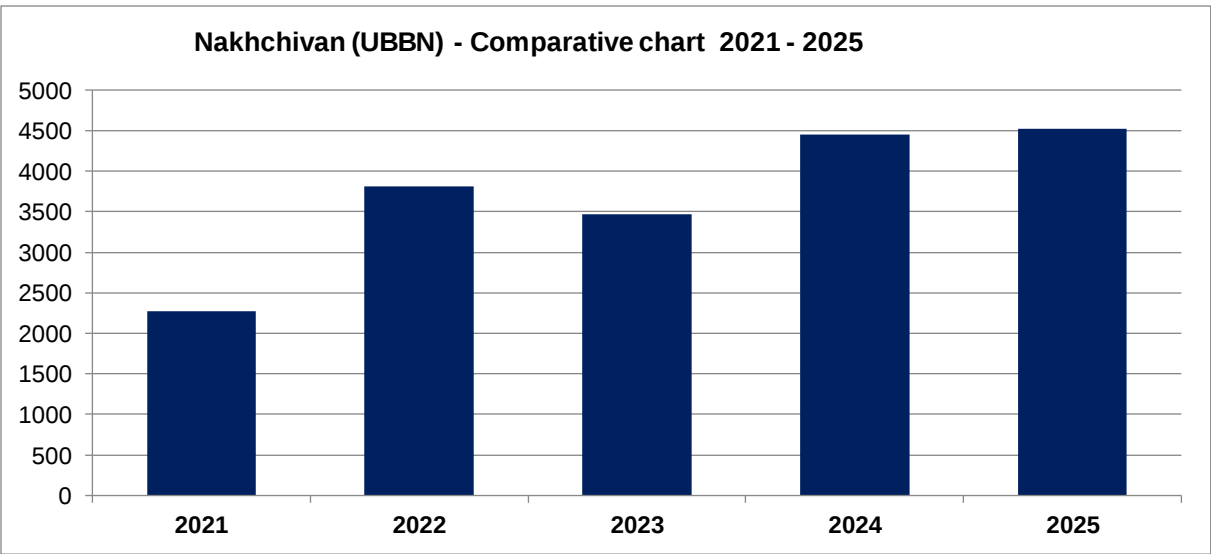
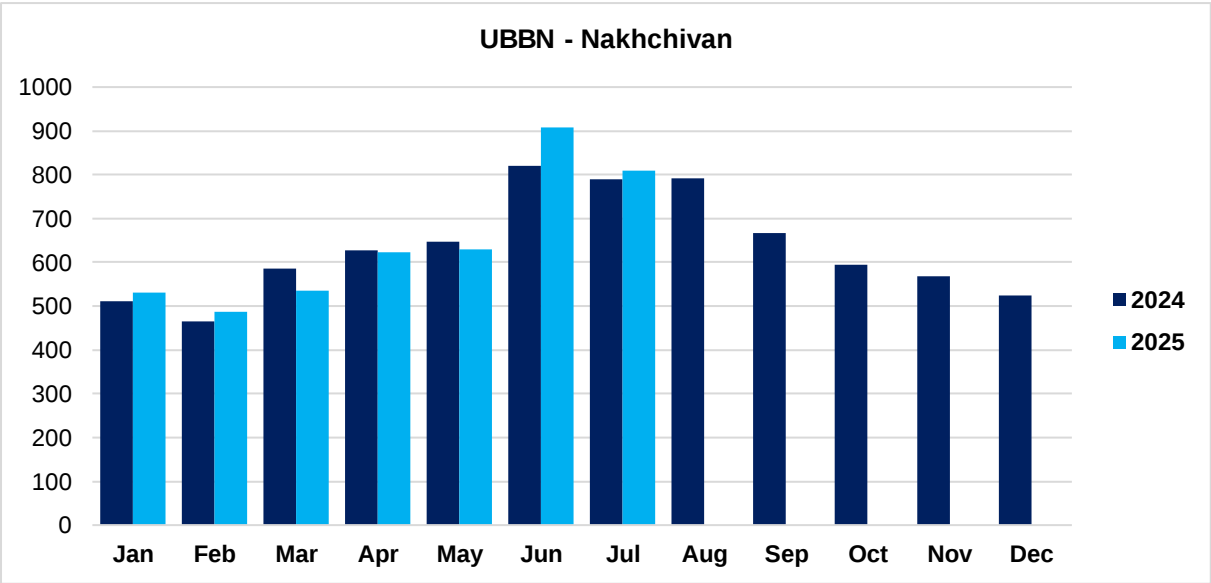


2.1.10 Traffic segments – Domestic vs International



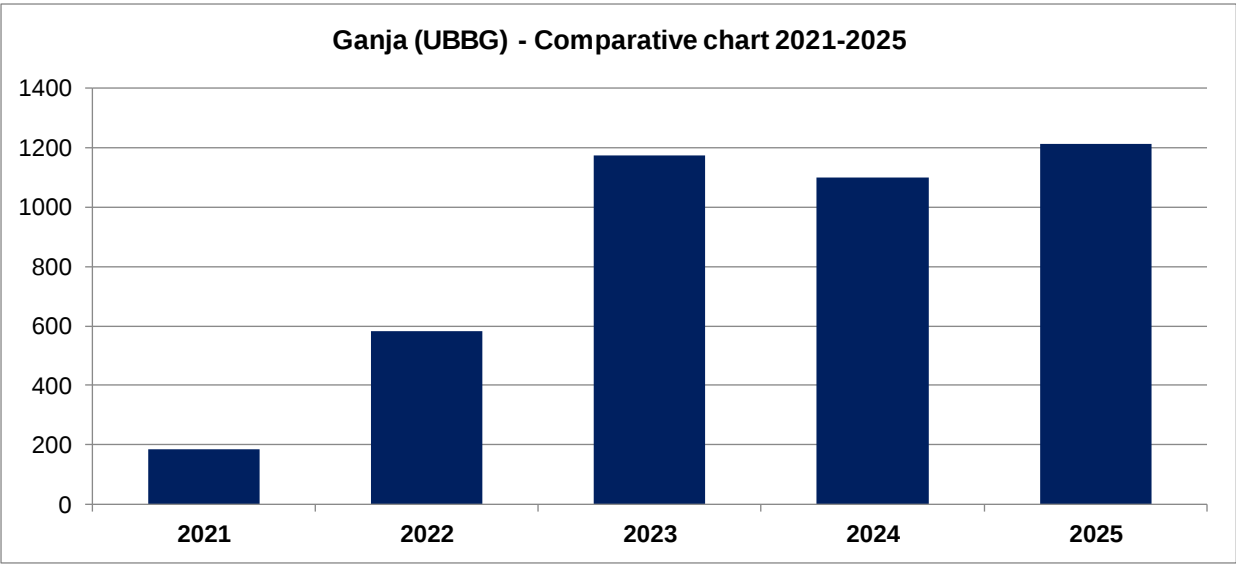
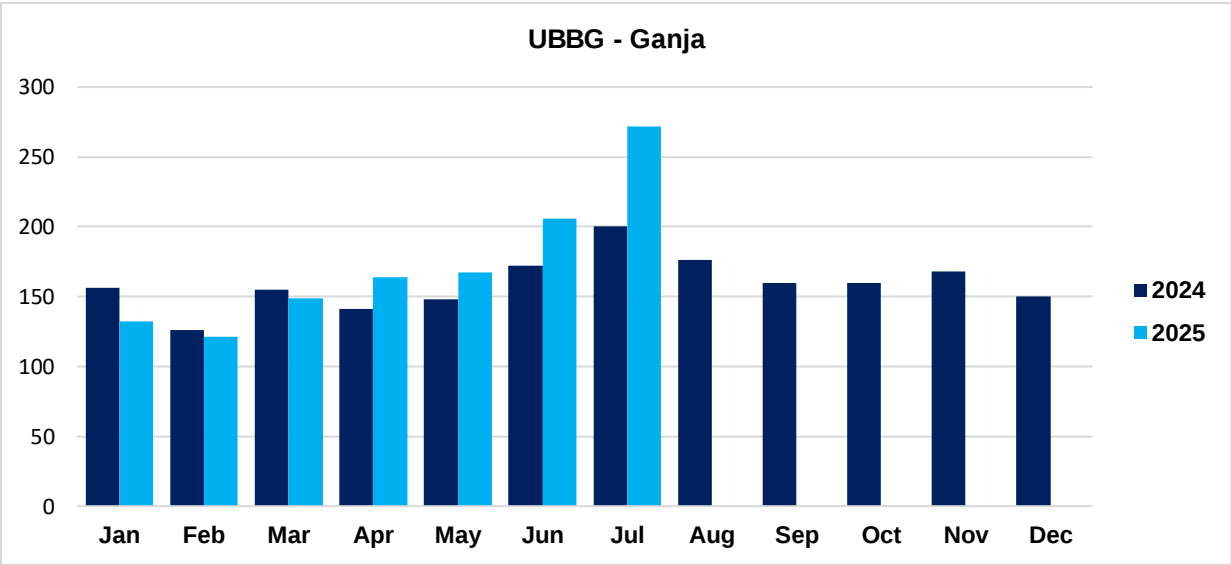
2.2 Nakhchivan International airport.

Total number of movements at Nakhchivan International airport recorded in July is **810 ACFT**. Average number of movements per day is **26 ACFT**
Comparison with July 2024 – **+2,5%**.



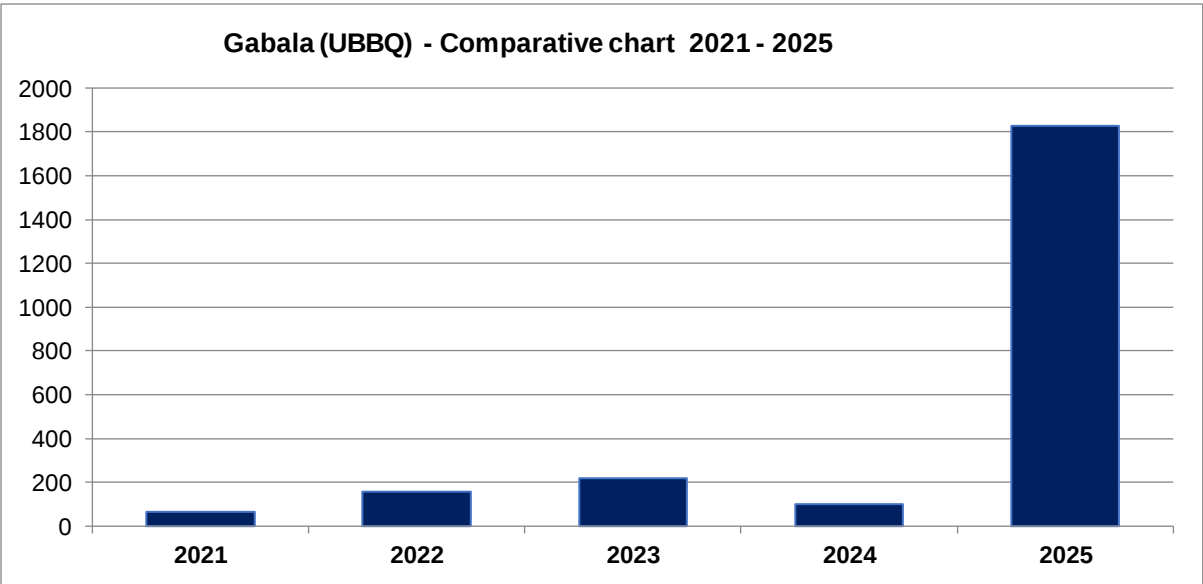
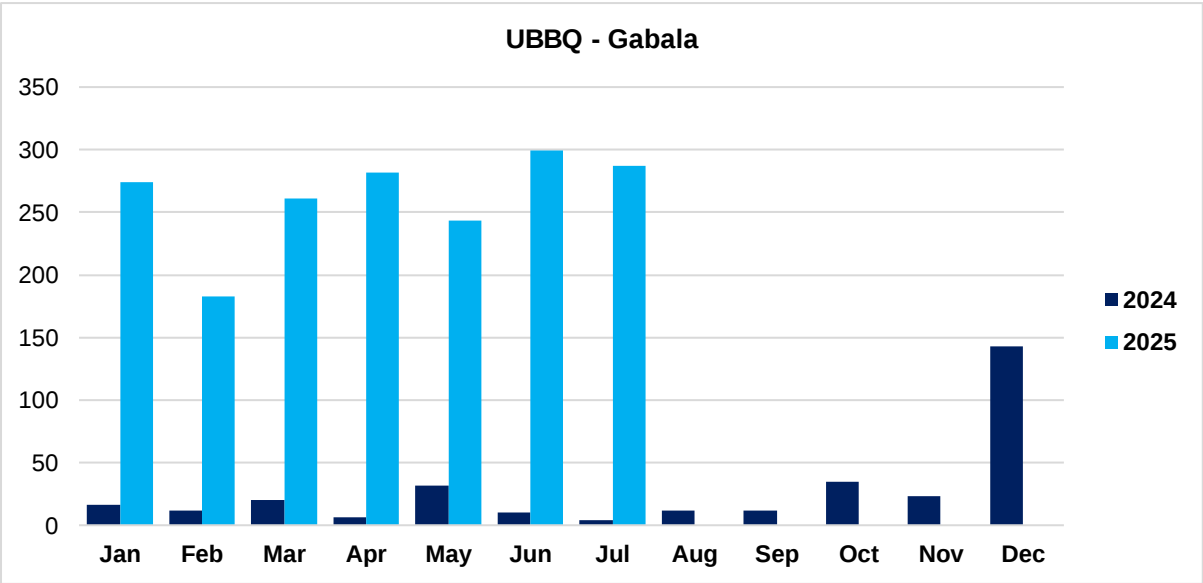
2.3 Ganja International airport.

Total number of movements at Ganja International airport recorded in July is **272 ACFT**.
Average number of movements per day is **9 ACFT**.
Comparison with July 2024 – **+36%**.



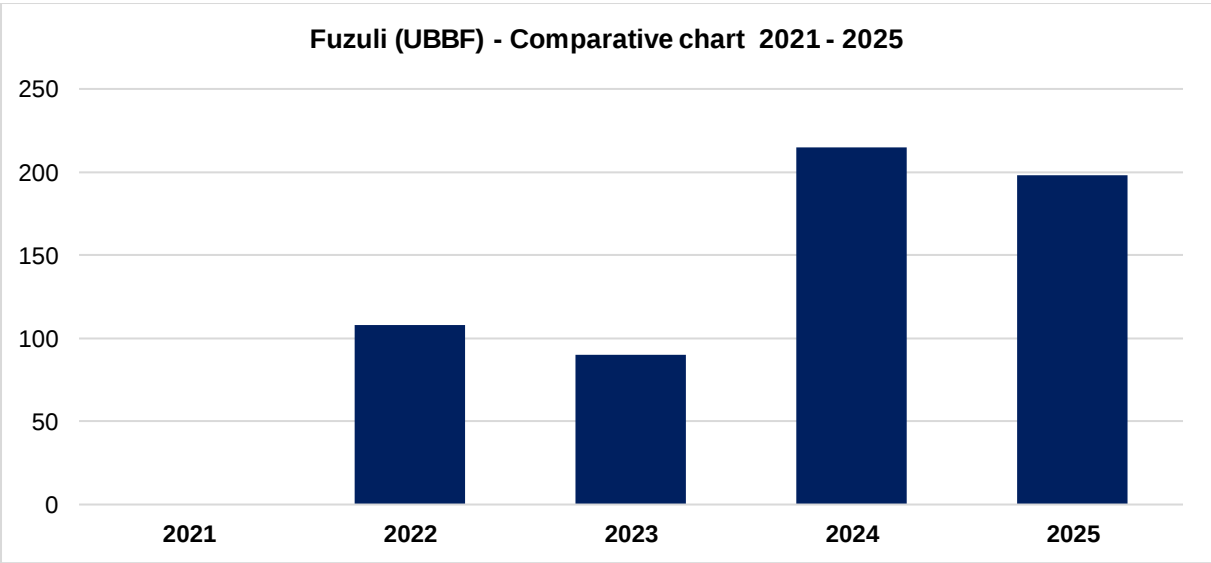
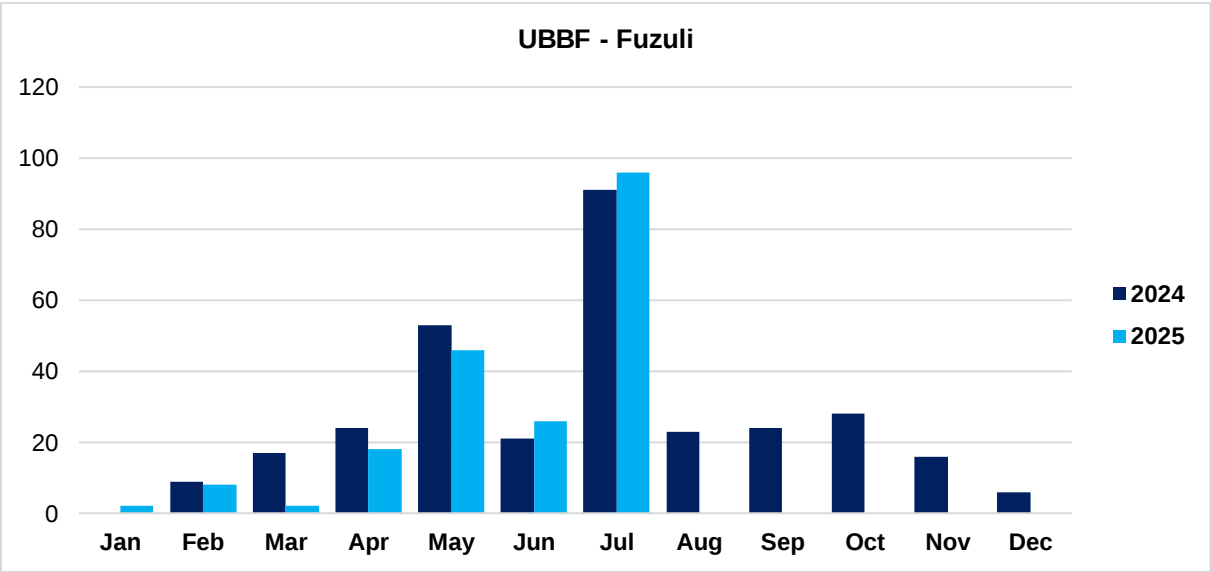
2.4 Gabala International airport.

Total number of movements at Gabala International airport recorded in July is **287 ACFT**.
Average number of movements per day is **9 ACFT**.
Comparison with July 2024 –+7075



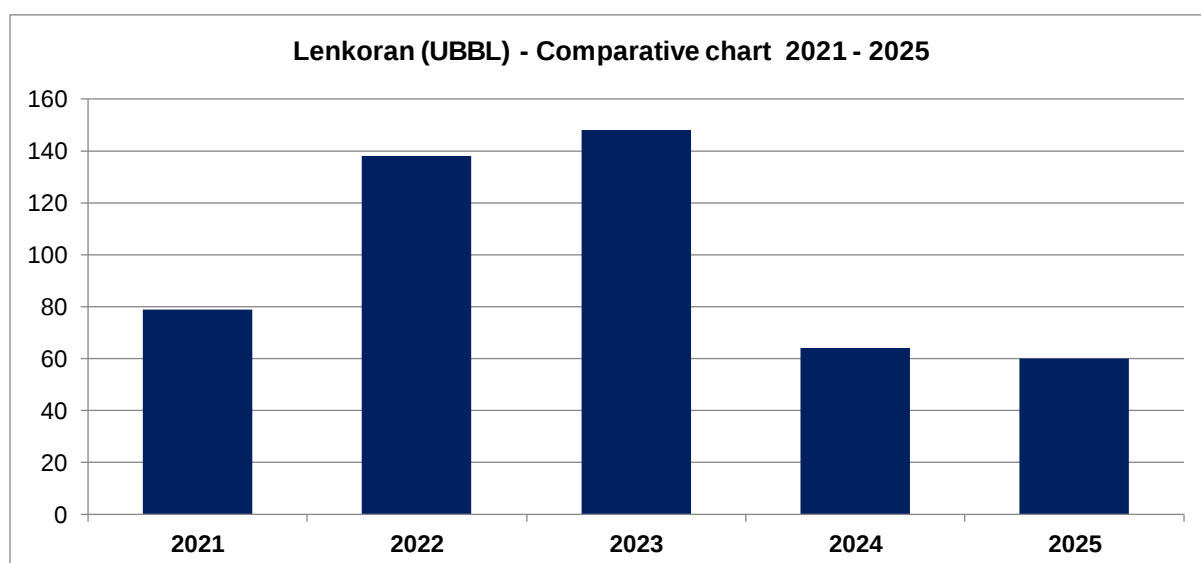
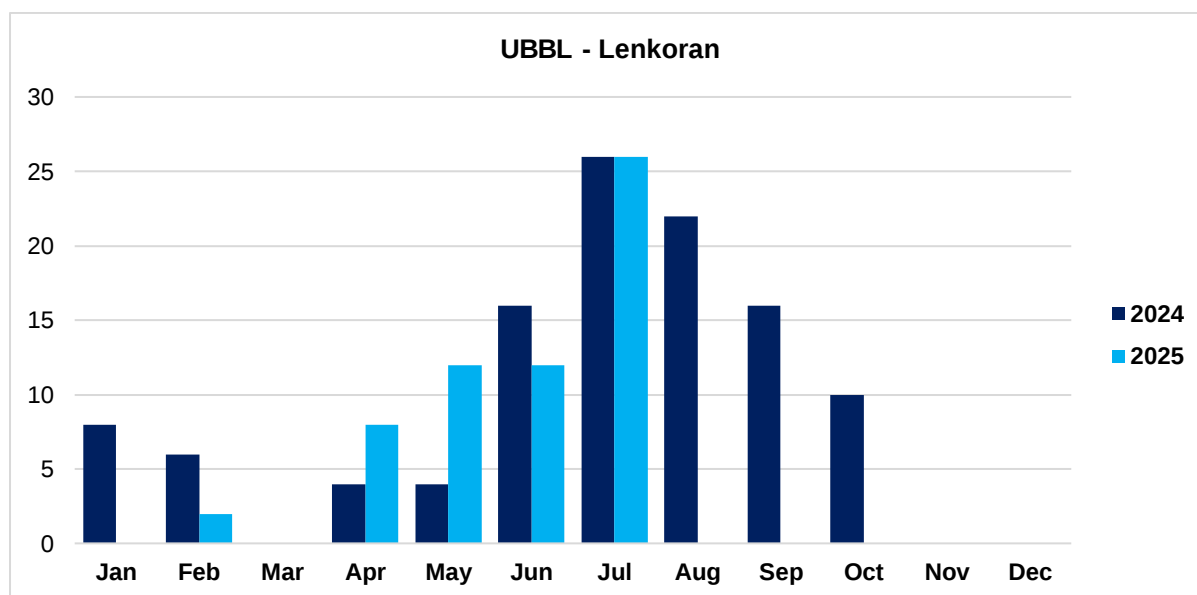
2.5 Fuzuli International airport.

Total number of movements at Fuzuli International airport recorded in July is **96 ACFT**.
Average number of movements per day is **3 ACFT**
Comparison with July 2024 – **+5,4%**



2.6 Lenkoran International airport.

Total number of movements at Lenkoran International airport recorded in July is **26 ACFT**. Average number of movements per day is **0,8 ACFT**.
No change compared to July 2024



2.7 Zagatala International airport.

Total number of movements at Zagatala International airport recorded in July is **26 ACFT**.

2.8 Zangilan International airport.

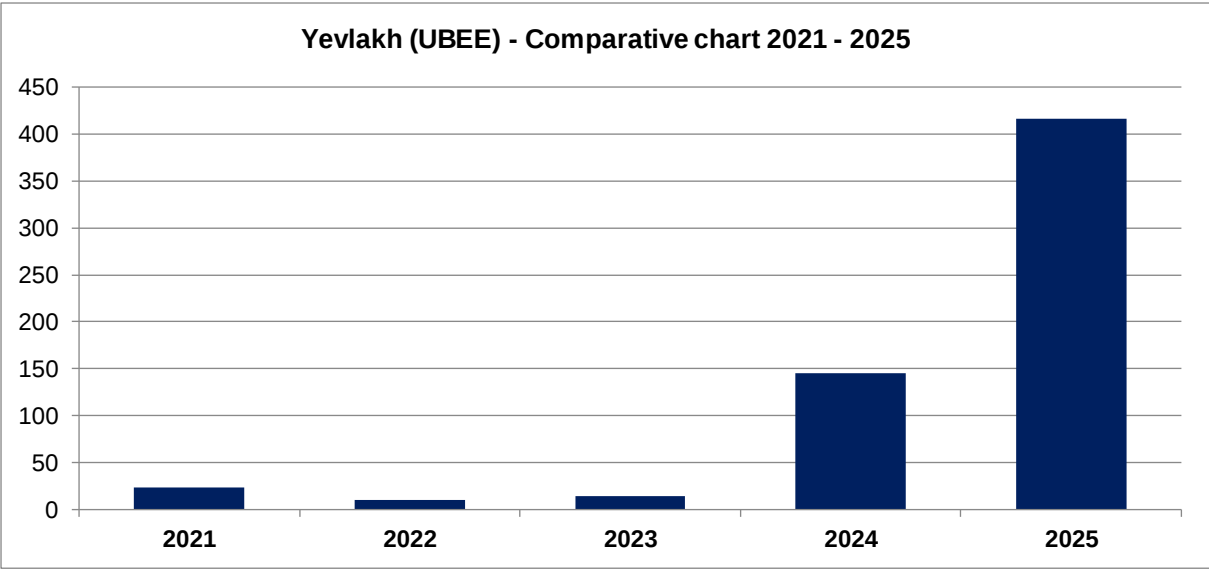
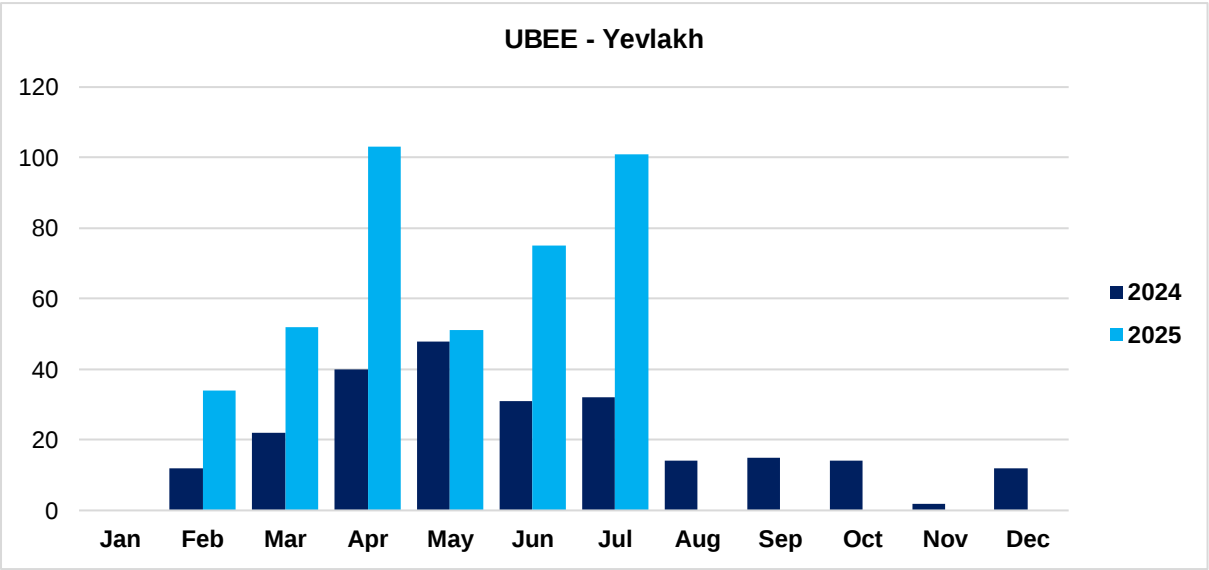
Total number of movements at Zangilan International airport recorded in July is **6 ACFT**.

2.9 Lachin International airport.

Total number of movements at Lachin International airport recorded in July is **6 ACFT**.

2.10 Yevlakh airport.

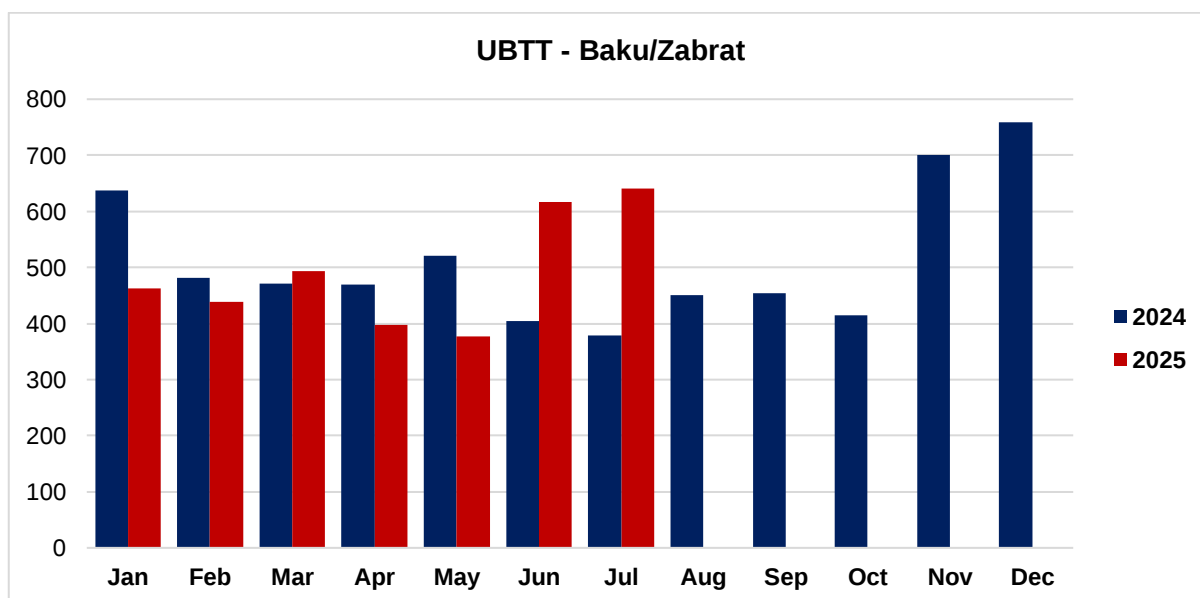
Total number of movements at Yevlakh International airport recorded in July is **101 ACFT**. Average number of movements per day is **3 ACFT**. Comparison with July 2024 **+215,6%**



3. VFR Movements Statistics data.

3.1 Baku/Zabrat airport.

Total number of VFR movements at Baku/Zabrat airport recorded in July is **641** ACFT. Average number of movements per day is **21** ACFT
Comparison with July 2024 – **+69,5%**.

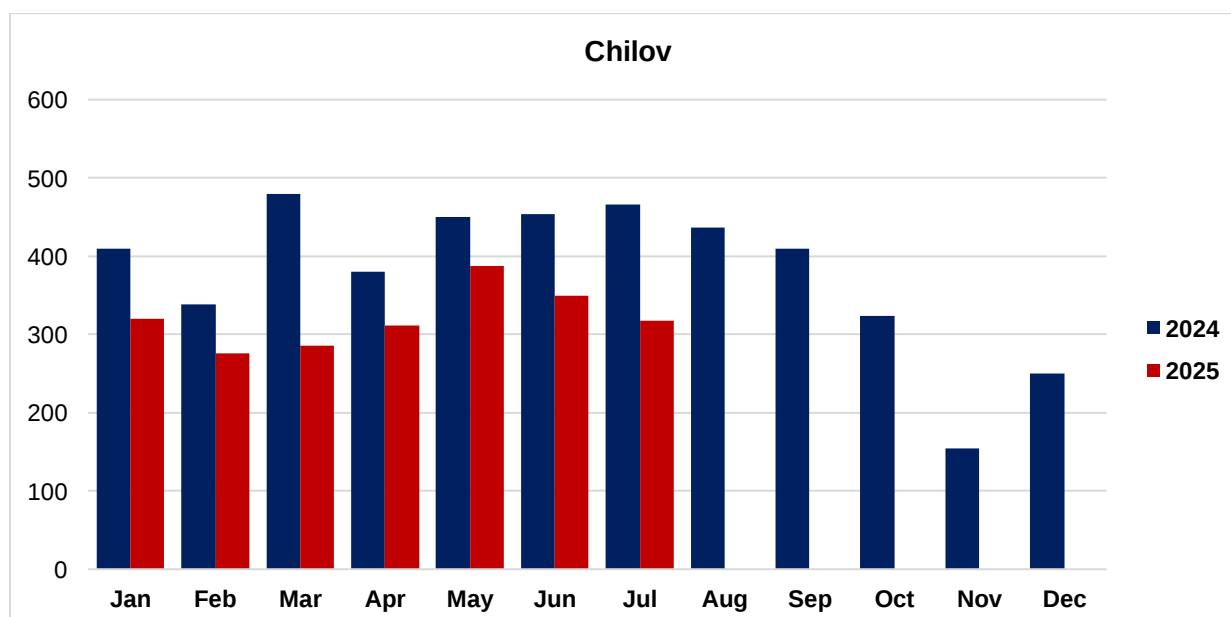


3.2 Pirallahi heliport.

No movements were recorded .

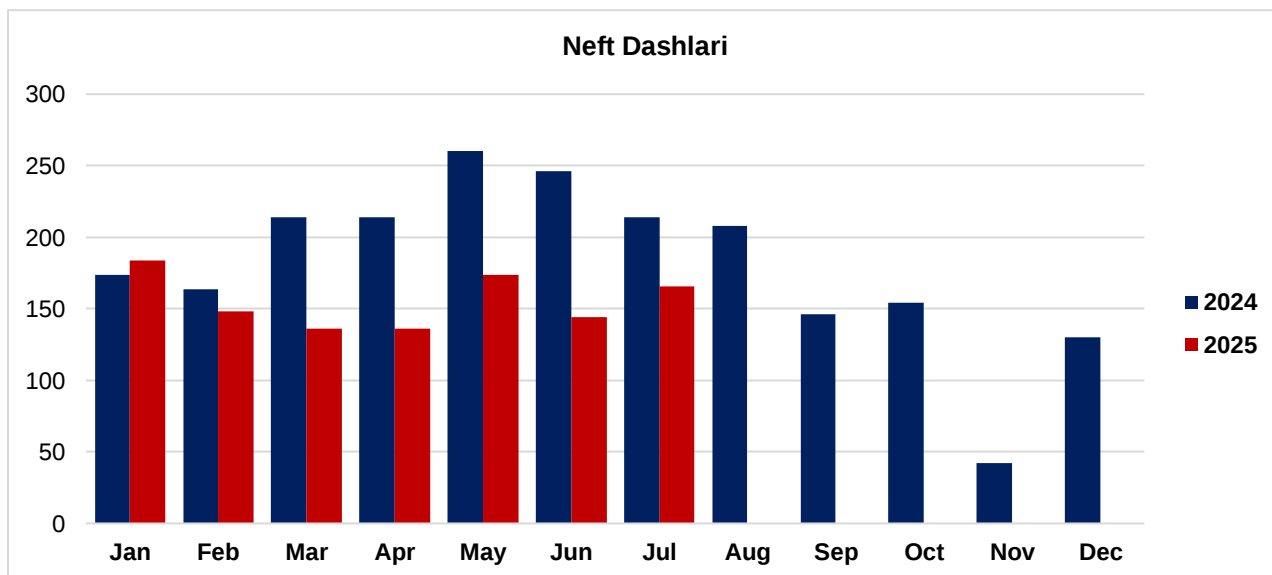
3.3 Chilov heliport.

Total number of VFR movements at Chilov heliport recorded in July is **318** ACFT. Average number of movements per day is **10** ACFT
Comparison with July 2024 – **-31,7%**.



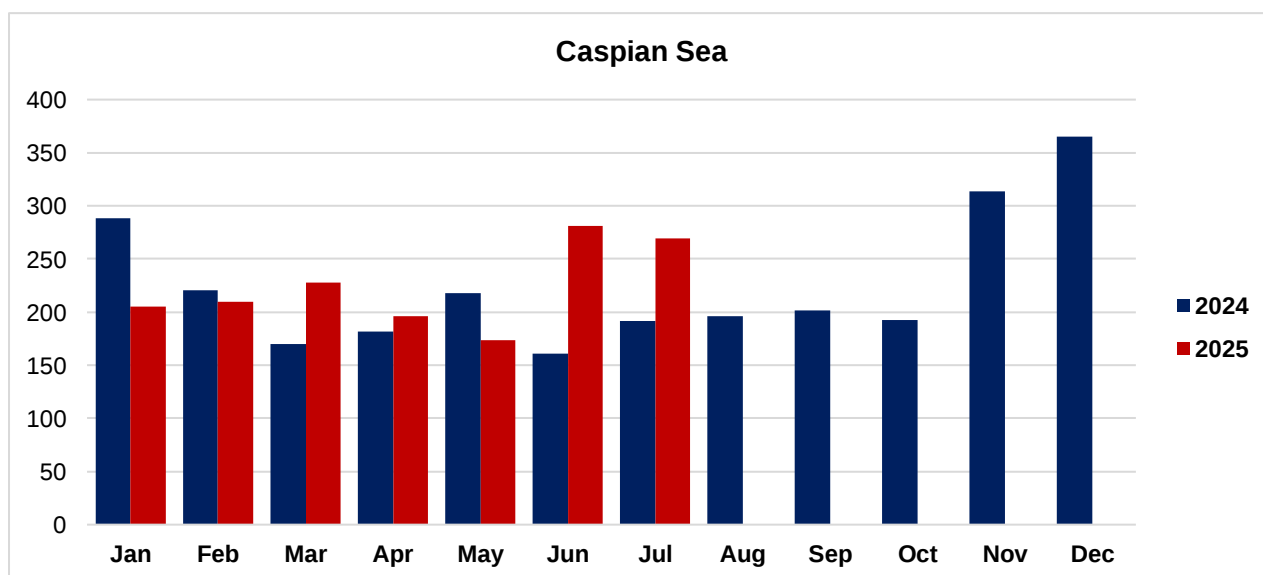
3.4 Neft Dashlari heliport.

Total number of VFR movements at Neft Dashlari heliport recorded in July is **166** ACFT.
Average number of movements per day is **5** ACFT
Comparison with July 2024 – **-22,4%**.



3.5 Helipads on the ships and offshore drilling rigs in the Caspian Sea.

Total number of VFR movements at helipads on the ships and offshore drilling rigs in the Caspian Sea recorded in July is **269** ACFT. Average number of movements per day is **9** ACFT .
Comparison with July 2024 – **+40,1%**.

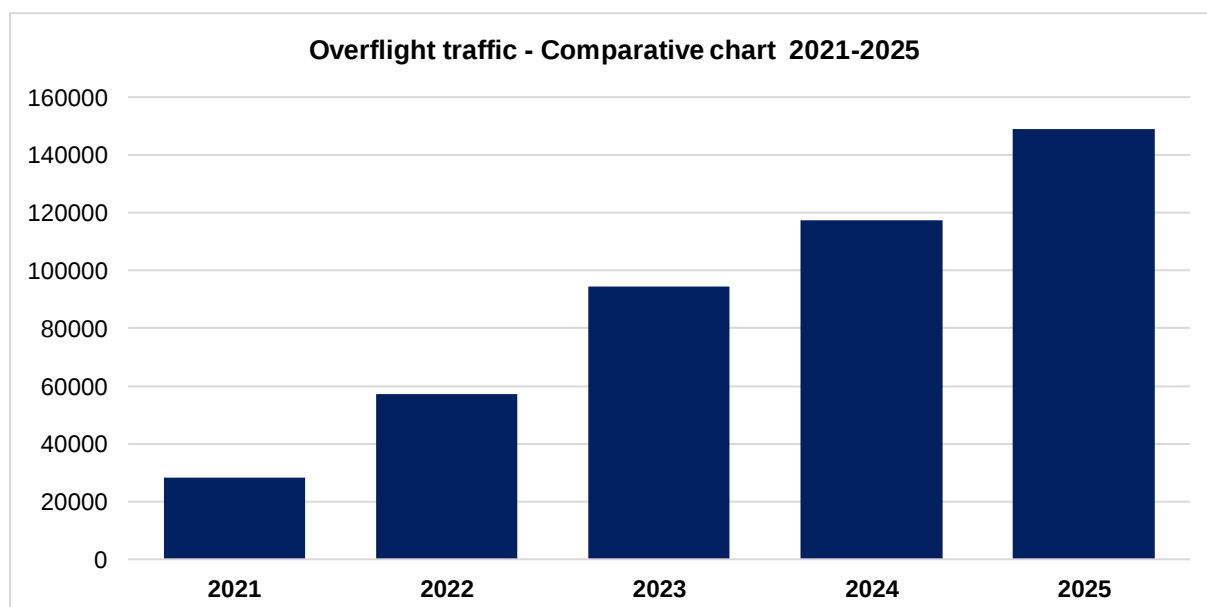
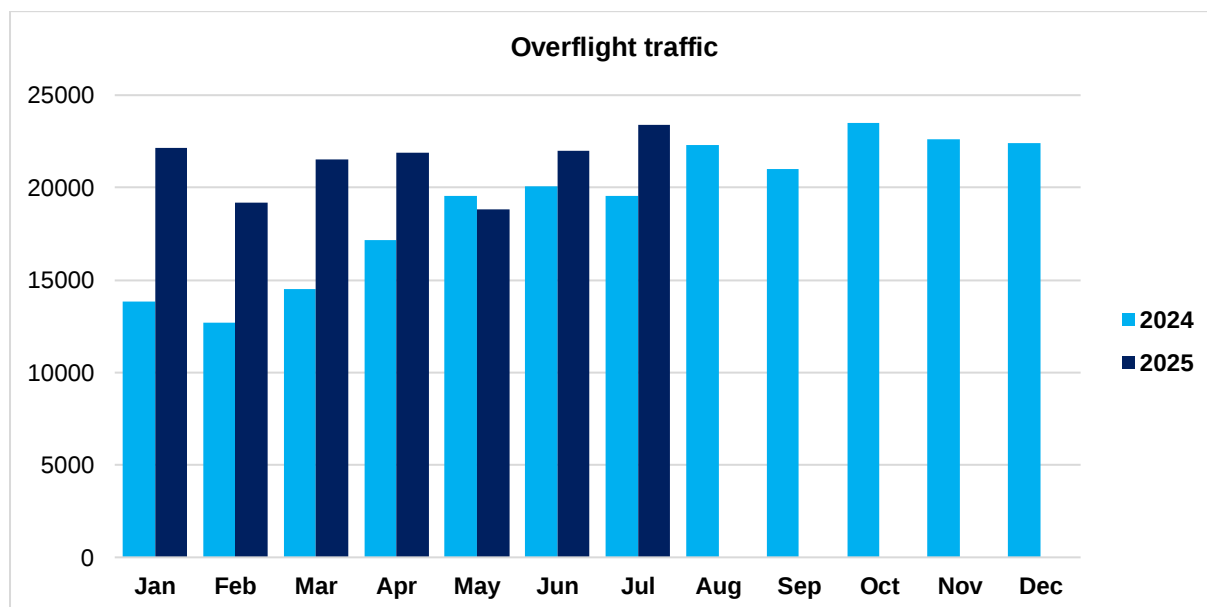


4.Overflight Air Traffic Statistics Data.

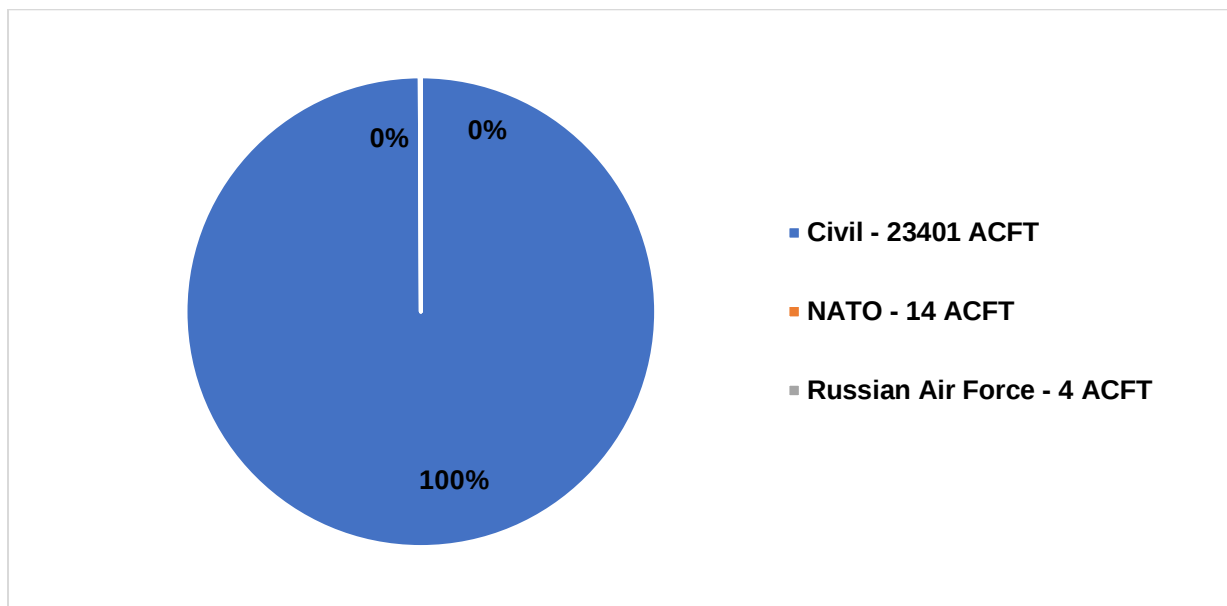
4.1 General Air Traffic Statistics Data

The number of overflights via Baku FIR recorded in July is **23419** ACFT. Average number of overflights per day is **755** ACFT (Peak day, July 4, 2025 – **809** ACFT; low day, July 7, 2025 – **705** ACFT).

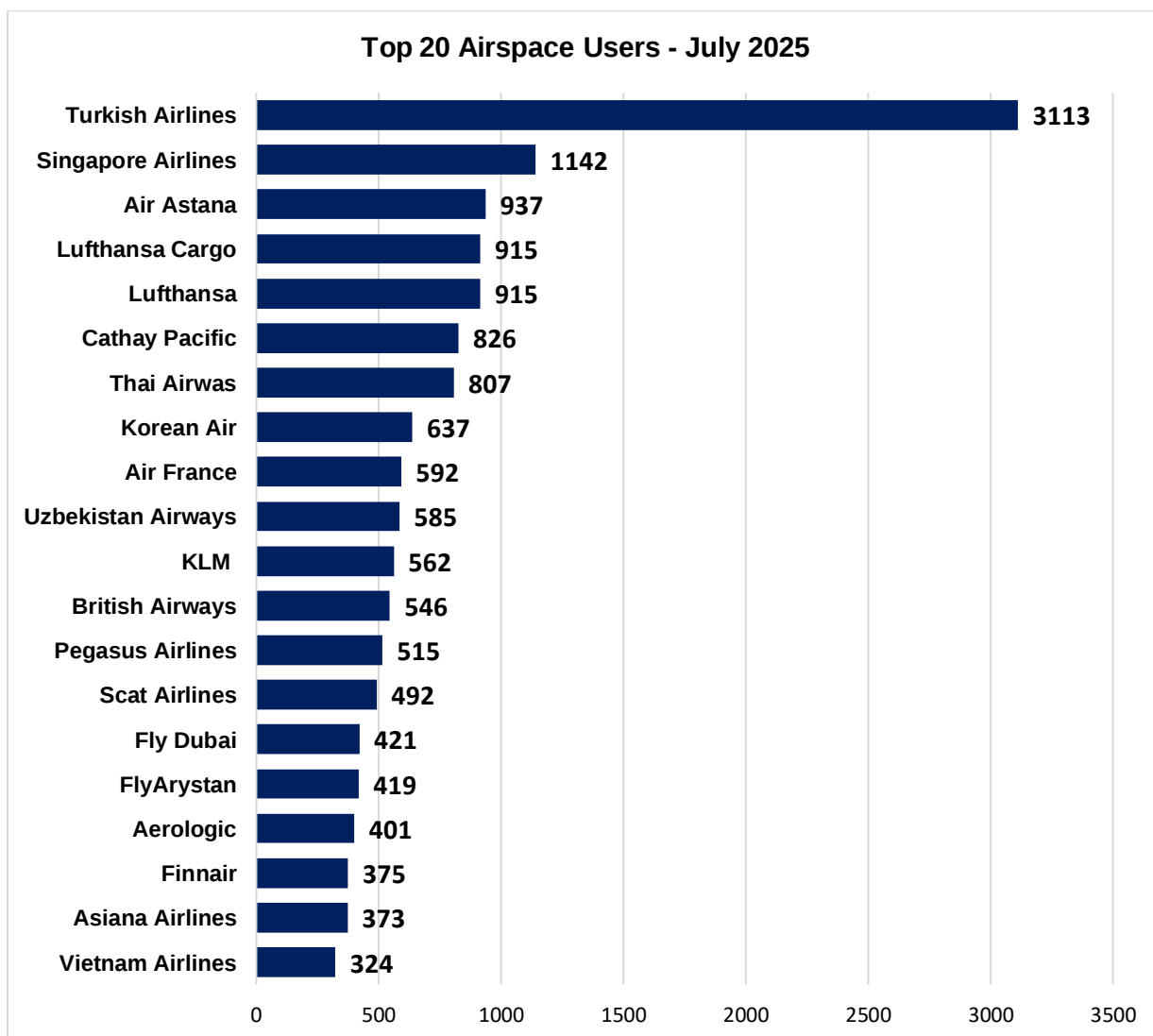
Comparison with July 2024 – **+19,8%**.



4.2 Traffic segments.



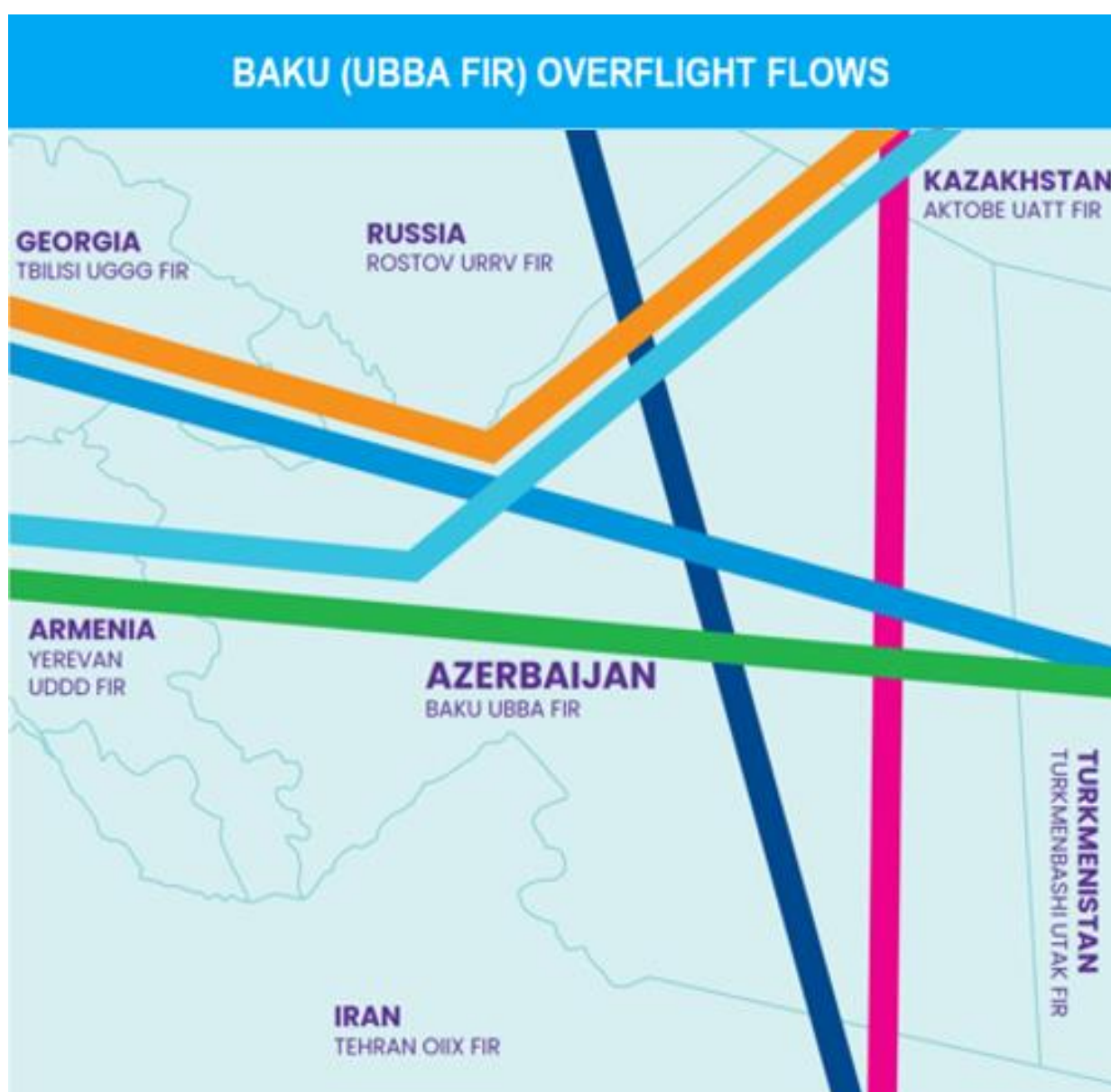
4.3 Aircraft Operators-Top 20 Airspace Users



Note: This chart shows the number of flights in **July 2025**

4.4 Air traffic flows – main overflight flows.

GEORGIA-TURKMENISTAN and v.v	36% (8423 ACFT)
GEORGIA-KAZAKHSTAN and v.v	21% (4980 ACFT)
IRAN-RUSSIA and v.v	1% (300 ACFT)
IRAN-KAZAKHSTAN and v.v	3% (764 ACFT)
ARMENIA-TURKMENISTAN and v.v	27% (6277 ACFT)
KAZAKHSTAN-ARMENIA and v.v	9% (2095 ACFT)
OTHER DIRECTIONS	3% (580 ACFT)
TOTAL	23 419 ACFT



5. Key Performance Indicators (KPIs).

This report presents Key Performance Indicators (KPIs) to assess the operational efficiency of the "Azeraeronavigation" ATD in terms of provision of air traffic services. All the calculations are done for "Bakuaeronavigation" due to low traffic at the regional airports.

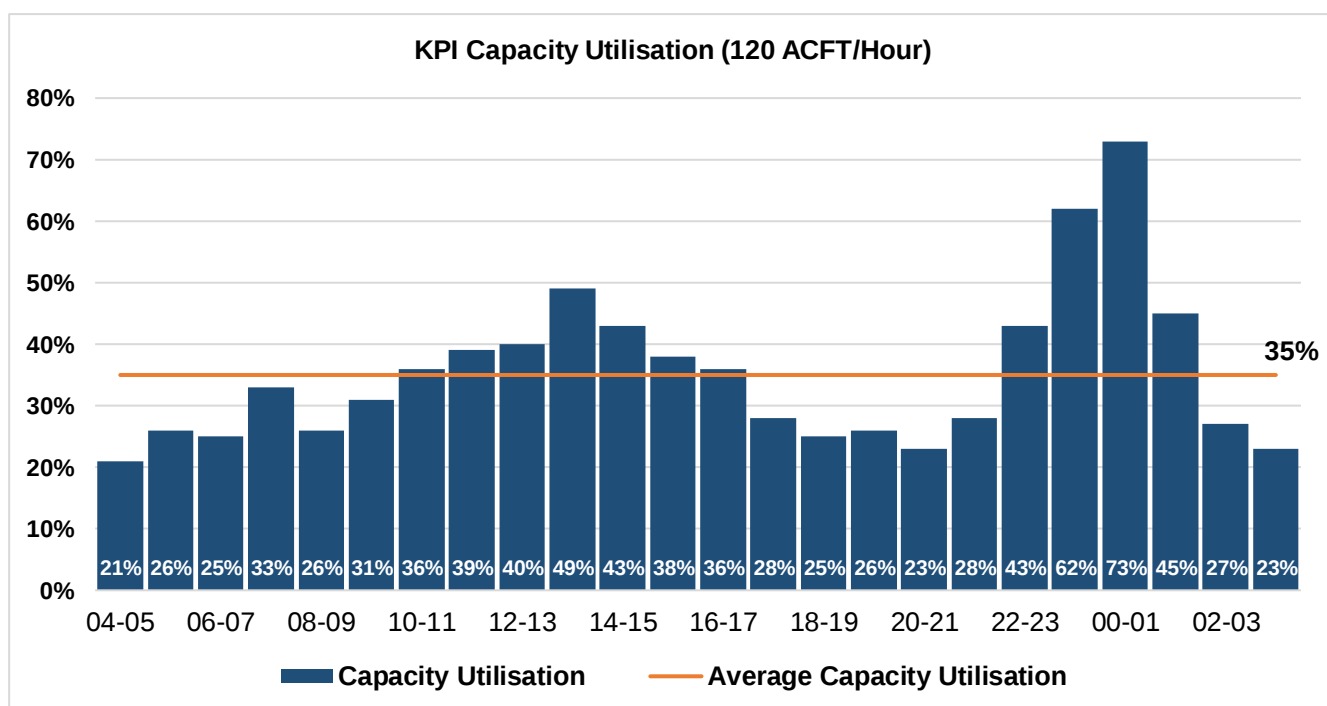
5.1 KPI–Capacity Utilization.

Capacity utilization assesses how effectively capacity is managed. It is a measure of accommodated demand, compared to the available capacity of Baku FIR.

KPI - Capacity Utilization is calculated by the formula: the value of "accommodated demand" is divided by the value of "capacity" and is multiplied by 100%.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2024	41	40	43	50	54	59	34	37	36	37	37	35
2025	34	33	33	33	29	34	35					

Capacity Utilization July 2025 **35%**



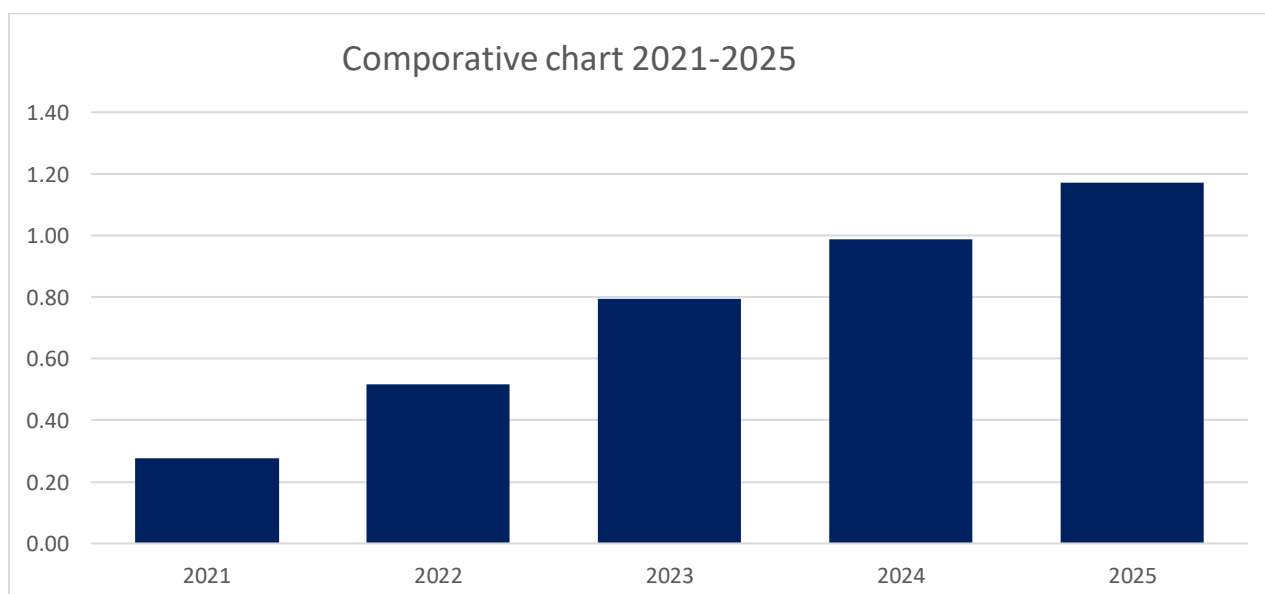
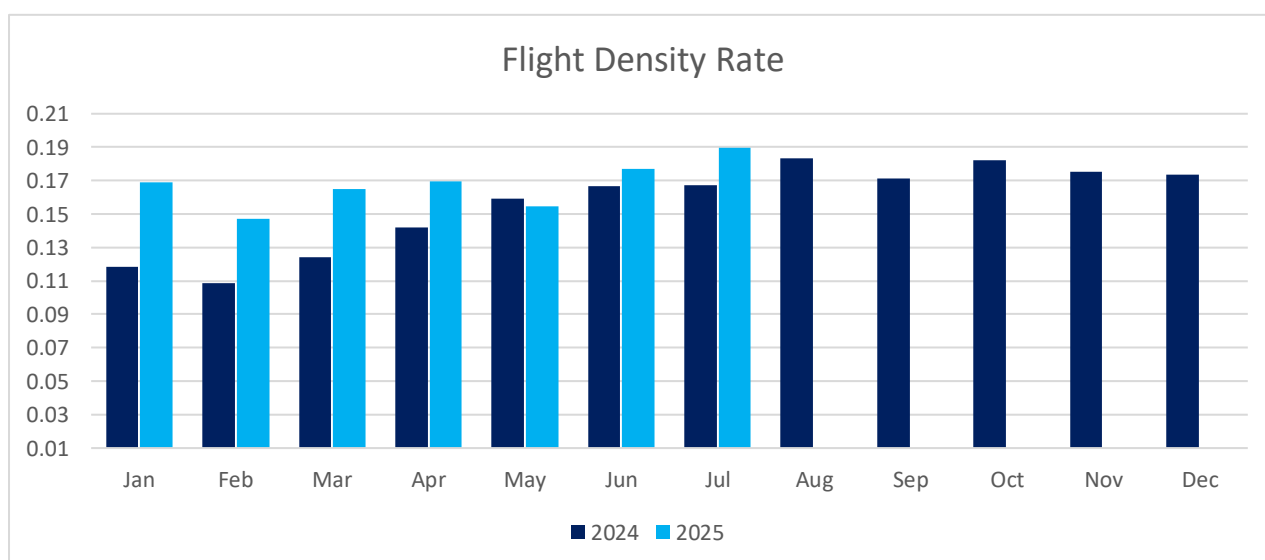
5.2 KPI-Analysis of Flight Density Rate

Flight density refers to the number of flights operating within a defined airspace area, such as a Flight Information Region (FIR). It provides an indication of how intensively the airspace is being used over a specific period.

KPI – Flight Density is the calculation of average number of aircraft per square kilometer (ACFT/km²) within a given FIR. It is calculated by dividing the total number of aircraft operating within the FIR by the surface area of the FIR in square kilometers. The KPI unit is ACFT/km².

All the traffic data of Baku FIR (including overflights and aerodrome movements) is used for the calculation of flight density.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2024	0,12	0,11	0,12	0,14	0,16	0,17	0,17	0,18	0,17	0,18	0,18	0,17
2025	0,17	0,15	0,17	0,17	0,15	0,18	0,19					



5.3. KPI – Total Distance flown.

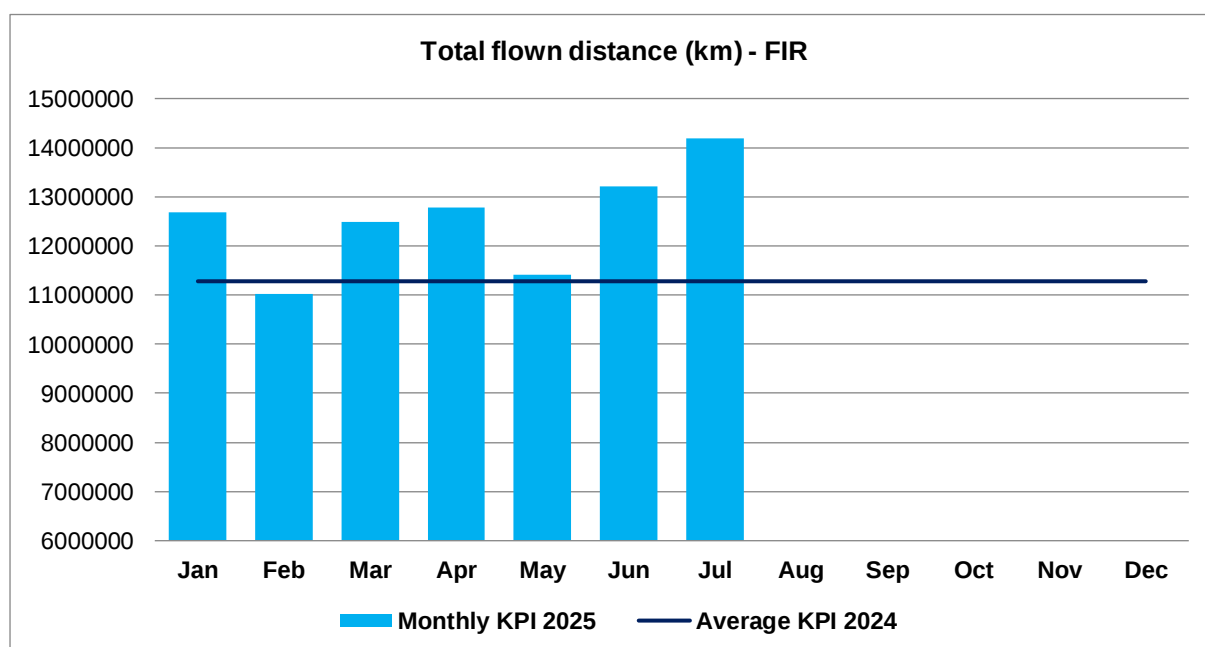
KPI-Flown distance is a total flown distance. KPI is km.

5.3.1.KPI – Total Distance flown - Baku FIR. (Combined en-route traffic and aerodrome movements).

All the traffic data of Baku FIR (overflight and aerodrome movements) is used for calculation of KPI - Total flown distance (FIR).

	Jan	Feb	Mar	Apr	May	Jun
2024	8355361	7709276	8820474	10185152	11462401	11964220
2025	12692734	11024454	12489047	12773111	11415346	13221213

	Jul	Aug	Sep	Oct	Nov	Dec
2024	11969039	13331489	12479517	13377993	12919519	12792060
2025	14181813					

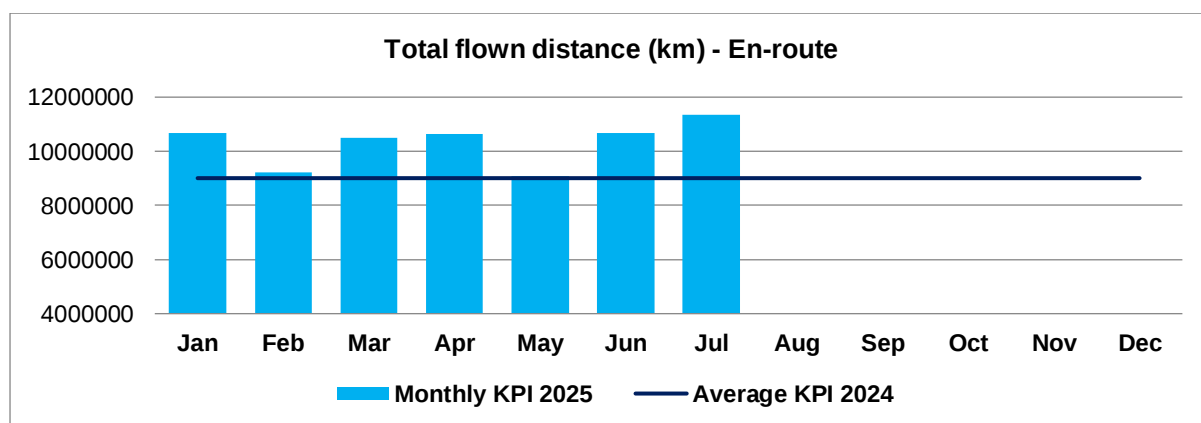


5.3.2 KPI – Total Distance flown - En-route traffic.

Only overflight traffic data is used for calculation of Total flown distance (ENR).

	Jan	Feb	Mar	Apr	May	Jun
2024	6449357	5938203	6787656	8055796	9218236	9431232
2025	10683875	9224010	10493941	10627228	9079039	10664225

	Jul	Aug	Sep	Oct	Nov	Dec
2024	9197101	10529689	9948179	11144662	10735937	10639453
2025	11358348					

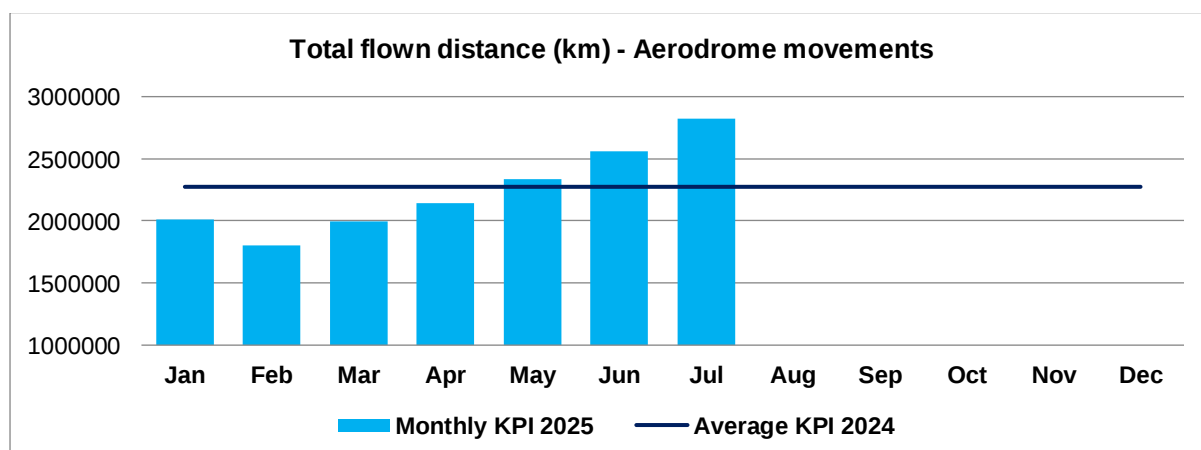


5.3.3 KPI – Total Distance flown - Aerodrome movements.

Only aerodrome movements data is used for calculation of Total flown distance (AD).

	Jan	Feb	Mar	Apr	May	Jun
2024	1906004	1771073	2032818	2129356	2244165	2532988
2025	2008859	1800444	1995106	2145883	2336307	2556988

	Jul	Aug	Sep	Oct	Nov	Dec
2024	2771938	2801800	2531338	2233331	2183582	2152607
2025	2823465					



5.4 KPI-Average flown distance per ACFT

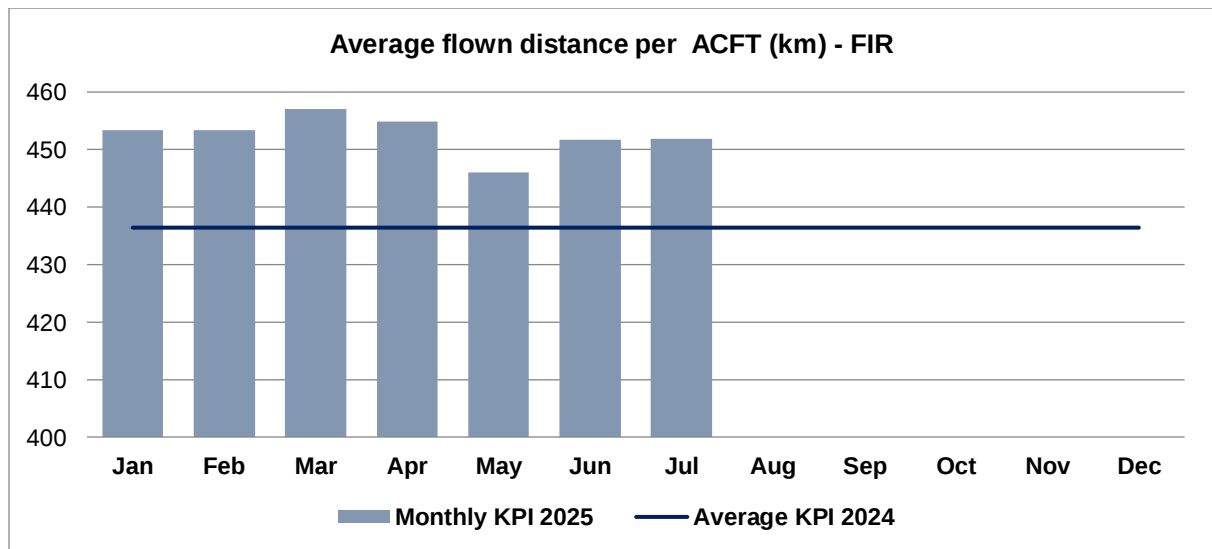
KPI- Average flown distance is calculation of average distance flown by ACFT by the following formula: the value of “total flown distance in kilometers” is divided by the value of “number of ACFT”. KPI is km/ACFT.

5.4.1 KPI - Average flown distance (FIR)

All the traffic data of Baku FIR (overflight and aerodrome movements) is used for calculation of average flown distance (FIR).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2024	427	430	429	433	436	433	432	439	441	445	446	446
2025	453	453	457	455	446	452	452					

KPI - Average flown distance (FIR) July 2025 – **452 km/ACFT**

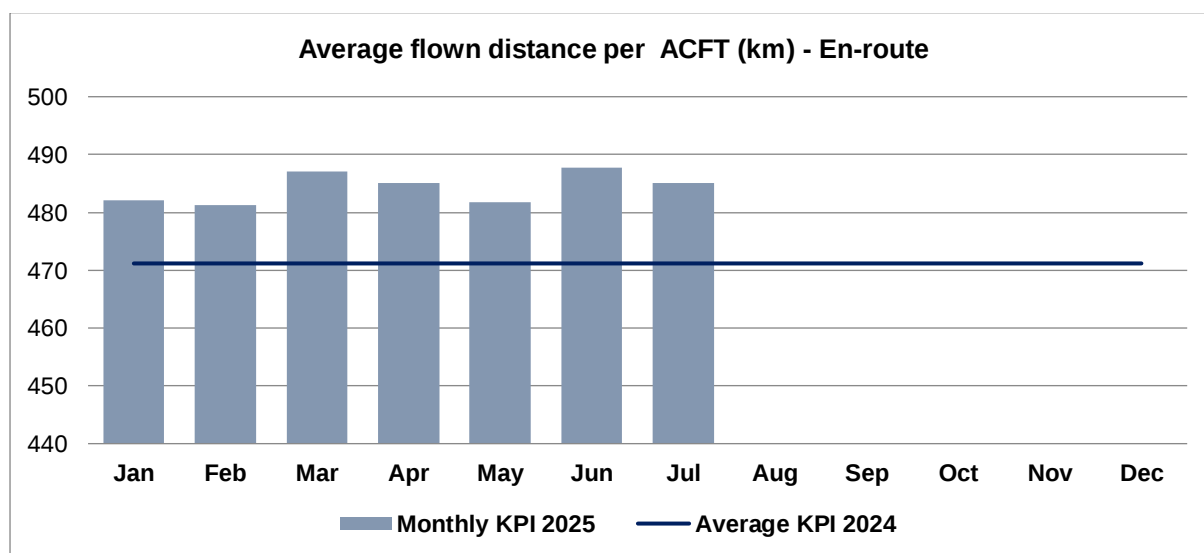


5.4.2 KPI - Average flown distance (ENR)

Only overflight traffic data is used for calculation of KPI - Average flown distance (ENR).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2024	466	468	467	470	471	470	471	473	474	474	475	475
2025	482	481	487	485	482	485						

KPI - Average flown distance (ENR) July 2025 – **485 km/ACFT**.

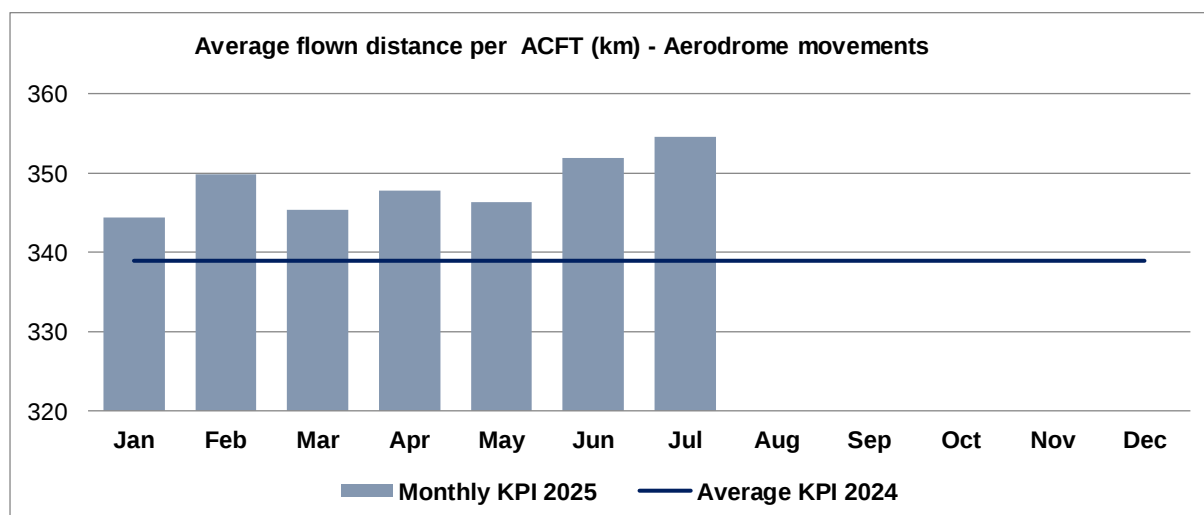


5.4.3 .KPI- Average flown distance (AD)

Only aerodrome movements data is used for calculation of Average flown distance (AD).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2024	332	338	336	334	334	336	340	347	346	339	343	342
2025	344	350	345	348	346	352	355					

KPI - Average flown distance (AD) July 2025 – **355 km/ACFT**



5.5 KPI –Total IFR/hours

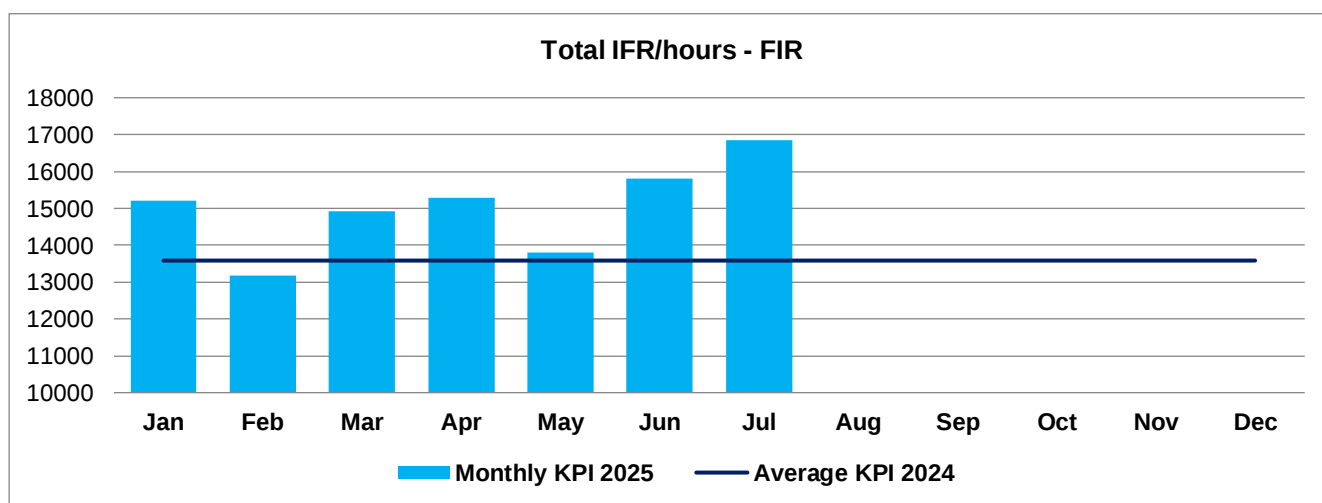
KPI- IFR/hours is a total flown IFR/hours. KPI is IFR/hours.

5.5.1 Total IFR/hours -FIR Baku

All the traffic data of Baku FIR (overflight and aerodrome movements) is used for calculation of KPI - IFR/hours (FIR).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2024	10246	9449	10819	12362	13811	14440	14378	15847	14920	15890	15457	15377
2025	15201	13178	14918	15290	13804	15807	16839					

KPI - Total IFR/hours (FIR) July 2025 – **16839 IFR/hours**

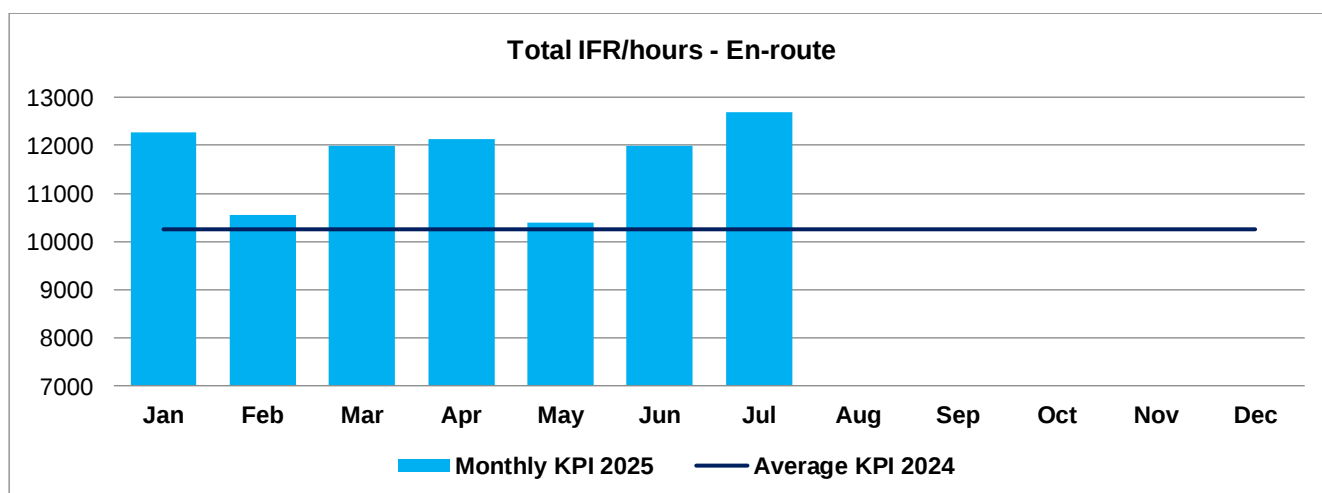


5.5.2 Total IFR/hours -Enroute

Only overflight traffic data is used for calculation of KPI - IFR/hours (ENR).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2024	7459	6850	7834	9236	10517	10714	10313	11773	11229	12619	12261	12225
2025	12264	10542	11997	12123	10381	11995	12692					

KPI - Total IFR/hours (ENR) July 2025 – **12692 IFR/hours**

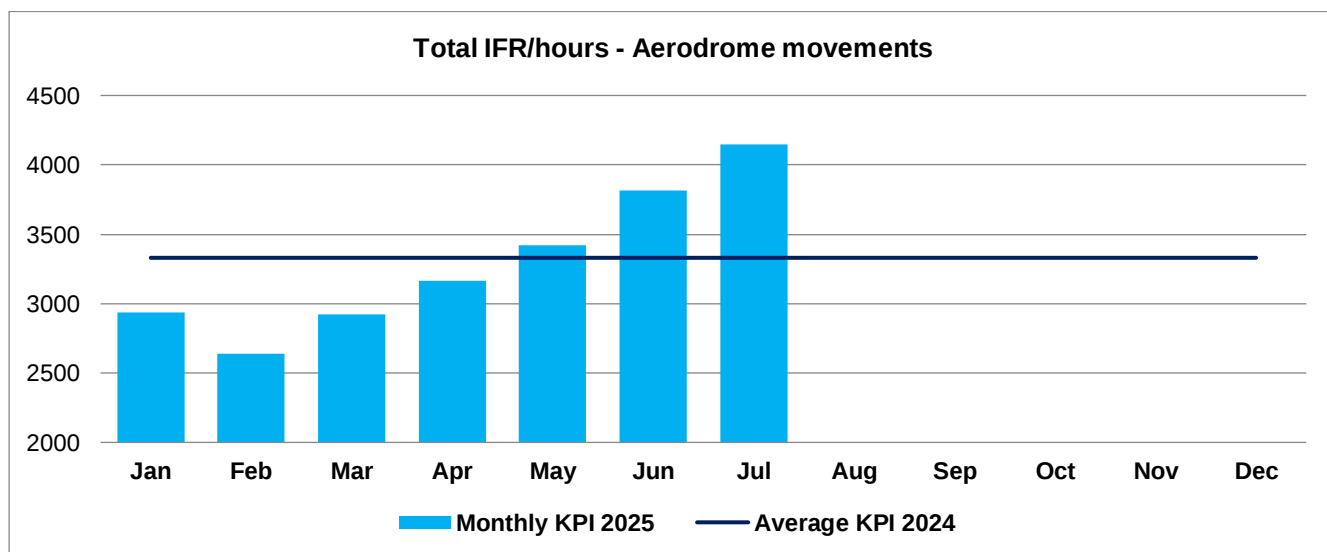


5.5.3 Total IFR/hours –Aerodrome movements

Only aerodrome movements data is used for calculation of KPI - IFR/hours (AD).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2024	2786	2598	2985	3125	3294	3726	4065	4074	3690	3272	3196	3152
2025	2936	2636	2921	3167	3422	3812	4146					

KPI -Total IFR/hours (AD) July 2025 – **4146 IFR/hours**



5.6 KPI – Average IFR/min per ACFT

KPI - IFR/min per ACFT is an average flown IFR/min per ACFT. KPI is IFR/hours.

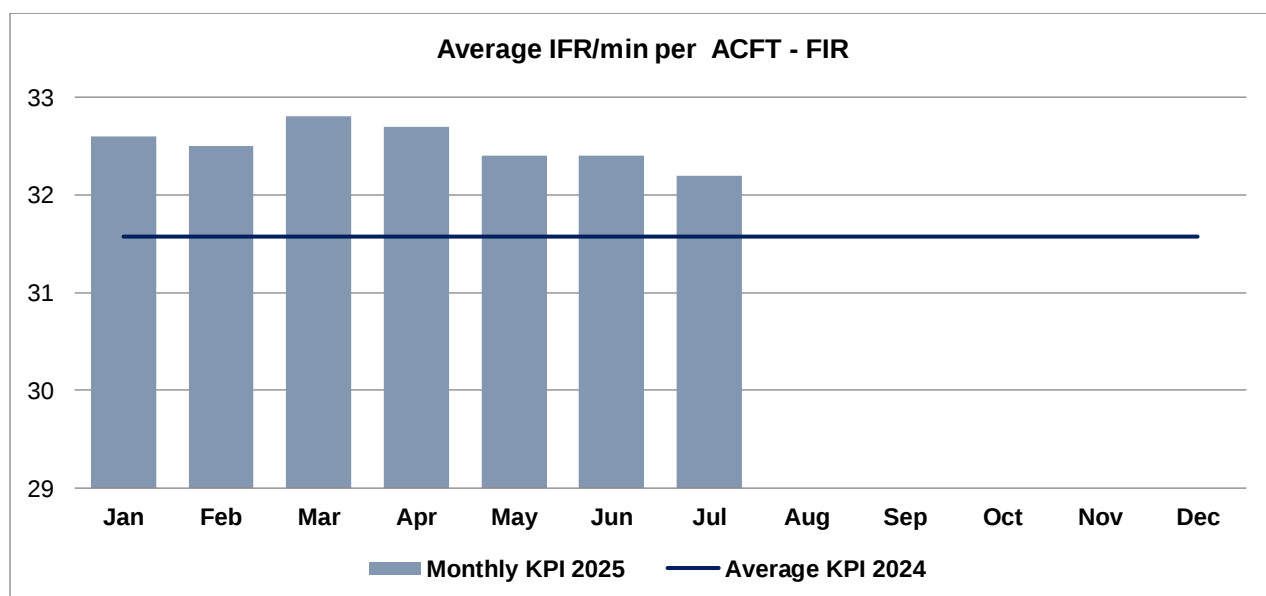
KPI - Average flown IFR/min per ACFT is calculation of average time flown by ACFT by the following formula: the value of “total flown time in minutes” is divided by the value of “number of ACFT”. KPI is min/ACFT.

5.6.1 Average IFR/min per ACFT-FIR Baku

All the traffic data of Baku FIR (overflight and aerodrome movements) is used for calculation of KPI - Average IFR/min per ACFT (FIR).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2024	31	32	32	32	32	31	31	31	32	32	32	32
2025	33	33	33	33	32	32	32					

KPI - Average IFR/min per ACFT (FIR) July 2025 - **32 min/ACFT**

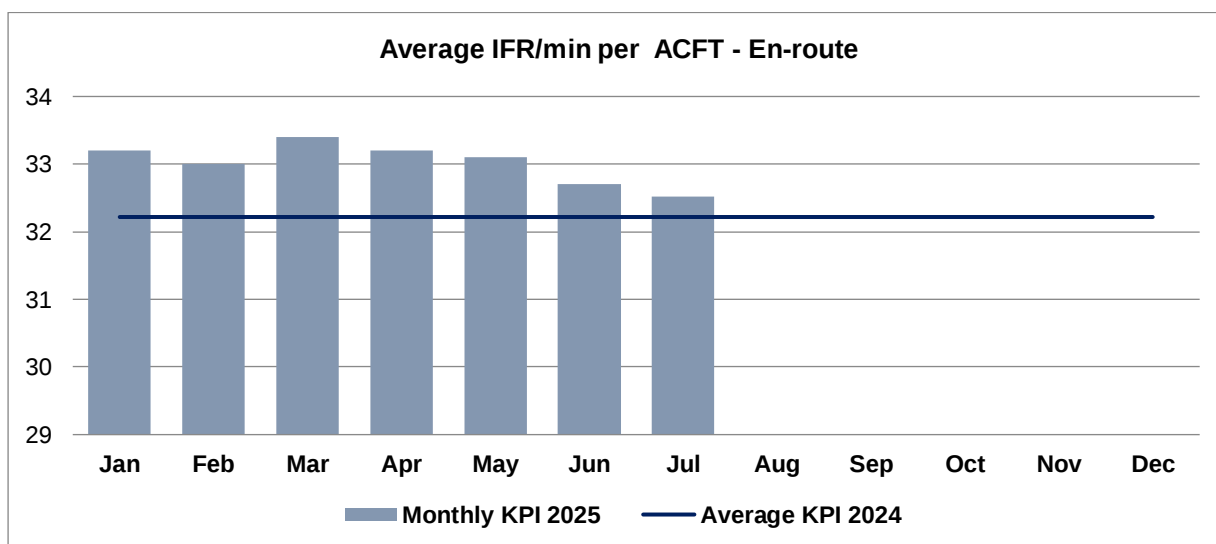


5.6.2 Average IFR/min per ACFT – En-route

Only overflight traffic data is used for calculation of KPI - Average IFR/min per ACFT (ENR).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2024	31	32	32	32	32	32	32	32	32	32	33	33
2025	33	33	33	33	33	33	33					

KPI - Average IFR/min per ACFT (ENR) July 2025 - **33 min/ACFT**

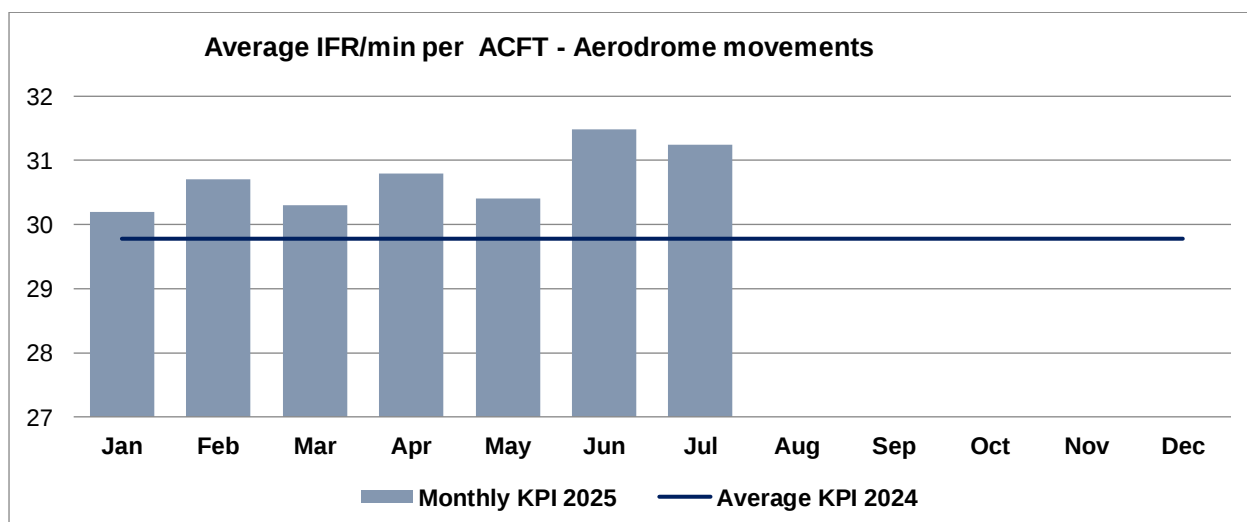


5.6.3 Average IFR/min per ACFT – Aerodrome movements

Only aerodrome movements data is used for calculation of KPI - Average IFR/min per ACFT (AD).

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2024	29	30	30	29	29	30	30	30	30	30	30	30
2025	30	31	30	31	30	31	31					

KPI - Average IFR/min per ACFT (AD) July 2025 – **31 min/ACFT**



5.7 CANSO Productivity KPIs

The key indicator of ANS productivity is IFR flight hours per ATCO in OPS hour, often described as “ATCO in OPS productivity”.

Although generally reflective of ANSPs’ performance, factors beyond the control of the ANSP can cause low levels of productivity—for example a geopolitical event that alter traffic demand.

ATCO in OPS productivity is driven by traffic levels and an ANSP’s ability to utilize its ATCOs in operations (OPS) resources. Although they cannot affect traffic demand, ANSPs may improve productivity by utilizing flexible rostering and adapting airspace configuration to open and close sectors according to evolving traffic patterns.

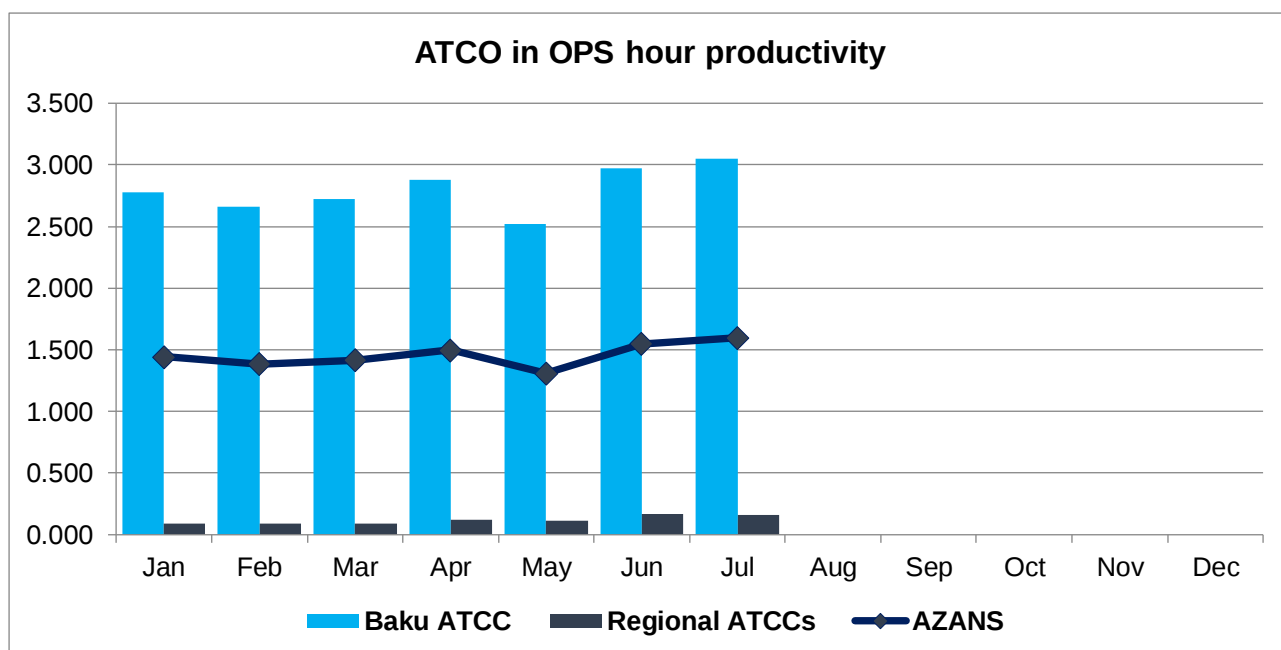
Furthermore, advances in technology are now focusing more than ever on reducing the workload of ATCOs in OPS to enable them to safely manage higher levels of traffic in a given volume of airspace. Training associated with the introduction of technology, however, can lead to short-term reductions in productivity.

Airspace complexity also affects ATCO in OPS productivity. Lower airspace will typically have lower levels of ATCO in OPS productivity than upper airspace where aircraft are flying at more consistent altitudes and on non-crossing routes. Therefore, an ANSP operating a high proportion of sectors in lower airspace, or with numerous busy airports with complex approach sectors, is likely to have lower ATCO in OPS productivity than an ANSP with more overflights at higher altitude.

5.7.1 ATCO in OPS hour productivity (CANSO KPI 2B)

KPI “ATCO in OPS hour productivity” is calculated by formula “IFR flight hours” divided by “ATCOs in OPS hours”

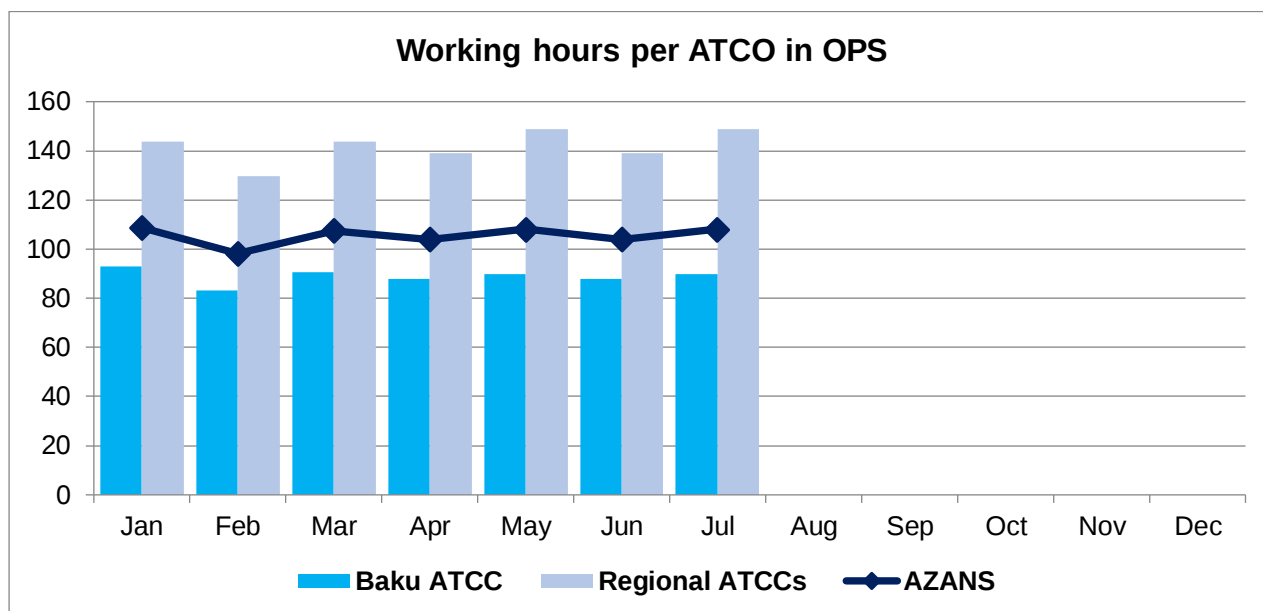
ATCO in OPS hour productivity (AZANS) July 2025	1,598
ATCO in OPS hour productivity (Baku ATCC) July 2025	3,053
ATCO in OPS hour productivity (Regional ATCCs) July 2025	0.161



5.7.2 Working hours per ATCO in OPS (CANSO KPI 3B)

KPI “Working hours per ATCO in OPS” is calculated by formula “ATCO in OPS hours” divided “No of ATCO in OPS”

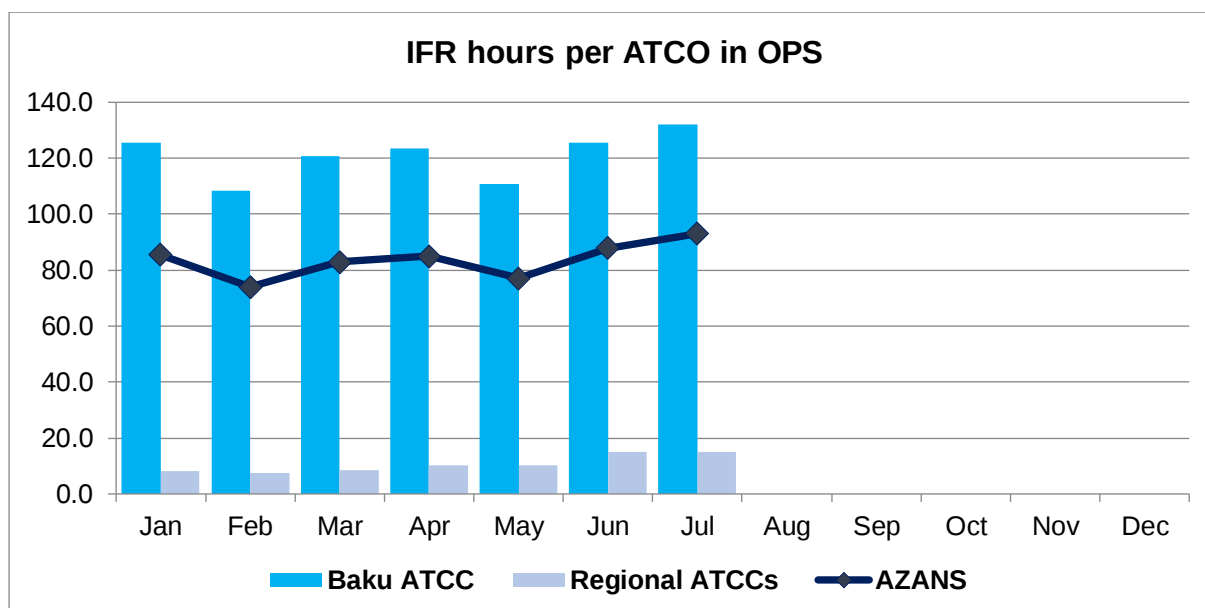
Working hours per ATCO in OPS (AZANS) July 2025	108,1
Working hours per ATCO in OPS (Baku ATCC) July 2025	90
Working hours per ATCO in OPS (Regional ATCCs) July 2025	148,8



5.7.3 IFR hours per ATCO in OPS (CANSO KPI 3C)

KPI “IFR hours per ATCO in OPS” is calculated by formula “IFR flight hours” divided by “No of ATCO in OPS”

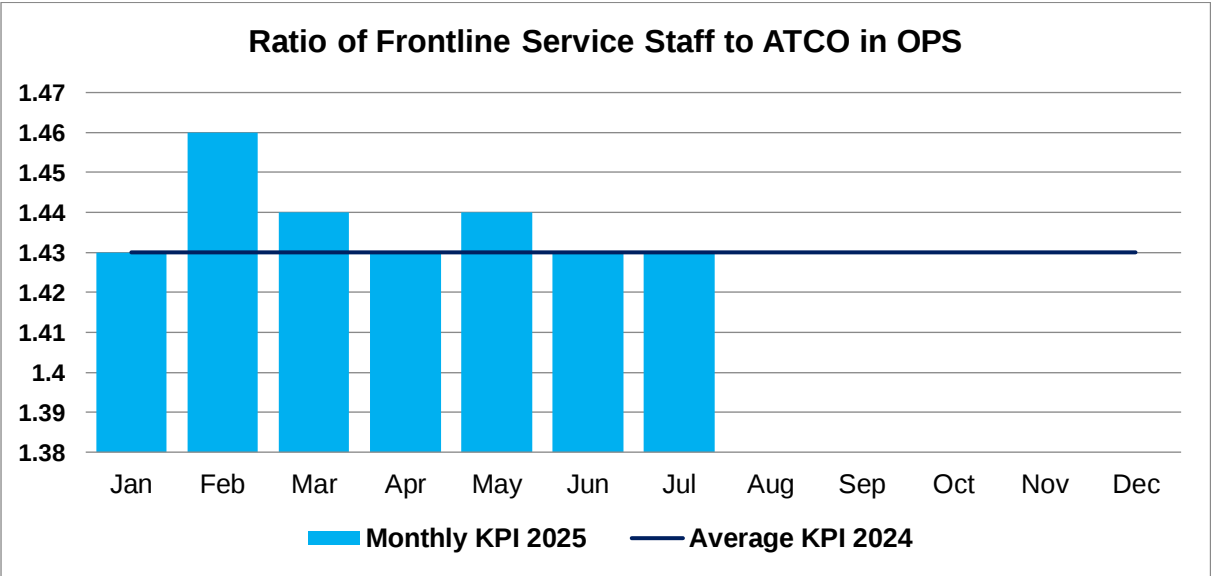
IFR hour per ATCO in OPS (AZANS) July 2025	93,8
IFR hour per ATCO in OPS (Baku ATCC) July 2025	132,2
IFR hour per ATCO in OPS (Regional ATCCs) July 2025	14,9



5.7.4 Ratio of Frontline Service Staff to ATCO in OPS (CANSO KPI 3D)

KPI “Ratio of Frontline Service Staff to ATCO in OPS” is calculated by formula “No. Frontline Service Support Staff” divided by “No of ATCO in OPS”

Ratio of Frontline Service Staff to ATCO in OPS July 2025 **1.43**

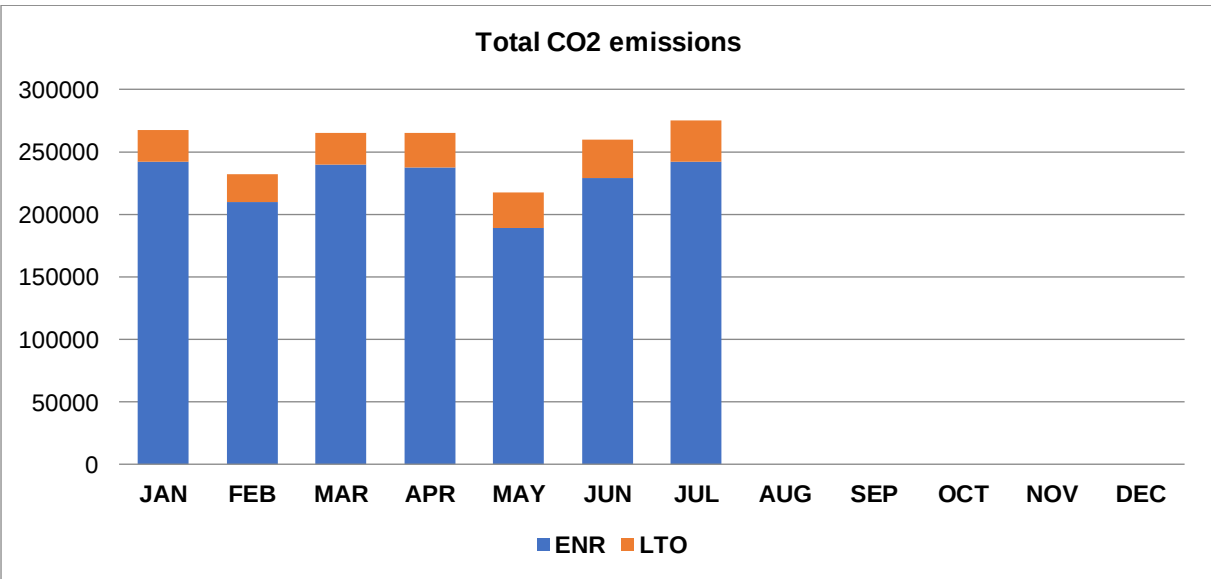


5.8 CO2 emissions

All the KPI’s for CO2 emissions are calculated for FIR, En-route (ENR) and Landing-take-off Operations (LTO).

5.8.1 Total CO2 emissions

Total CO2 emissions (FIR) July 2025	275 433 tons
Total CO2 emissions (ENR) July 2025	242 177 tons
Total CO2 emissions (LTO) July 2025	33 256 tons



5.8.2 CO2 emissions per a flight hour

CO2 emissions per a flight hour (FIR) July 2025

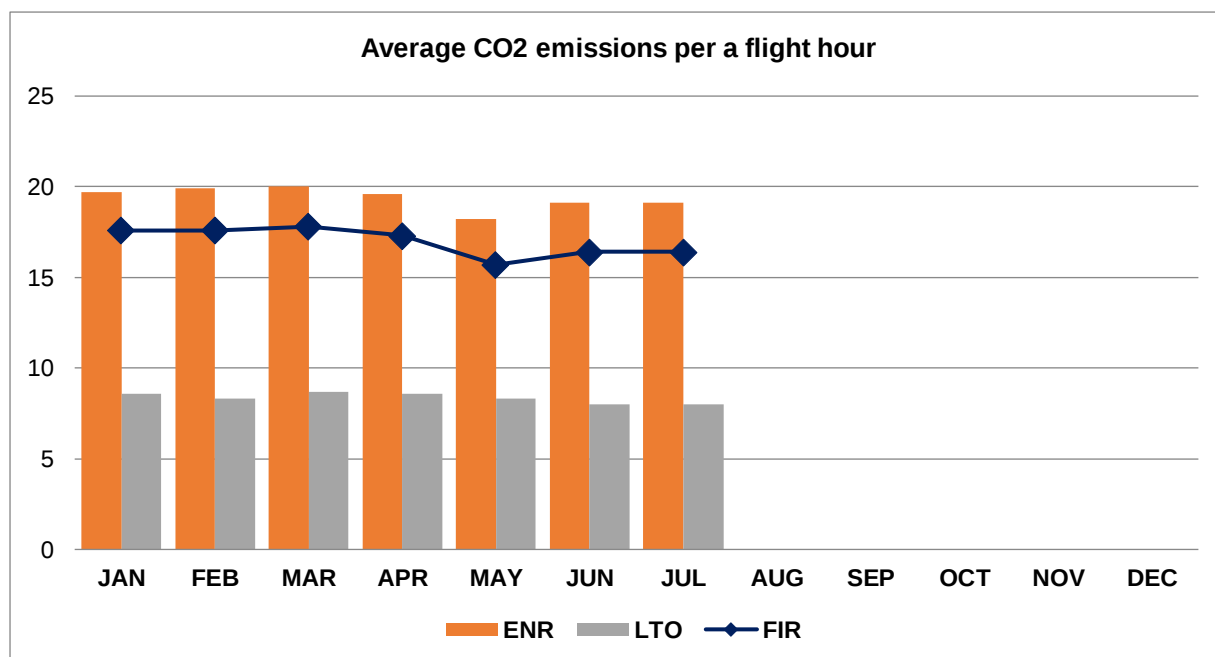
16.4 ton/hour

CO2 emissions per a flight hour (ENR) July 2025

19.1 ton/hour

CO2 emissions per a flight hour (LTO) July 2025

8 ton/hour



5.8.3 CO2 emissions per a kilometer flight distance

CO2 emissions per a kilometer flight distance (FIR) July 2025

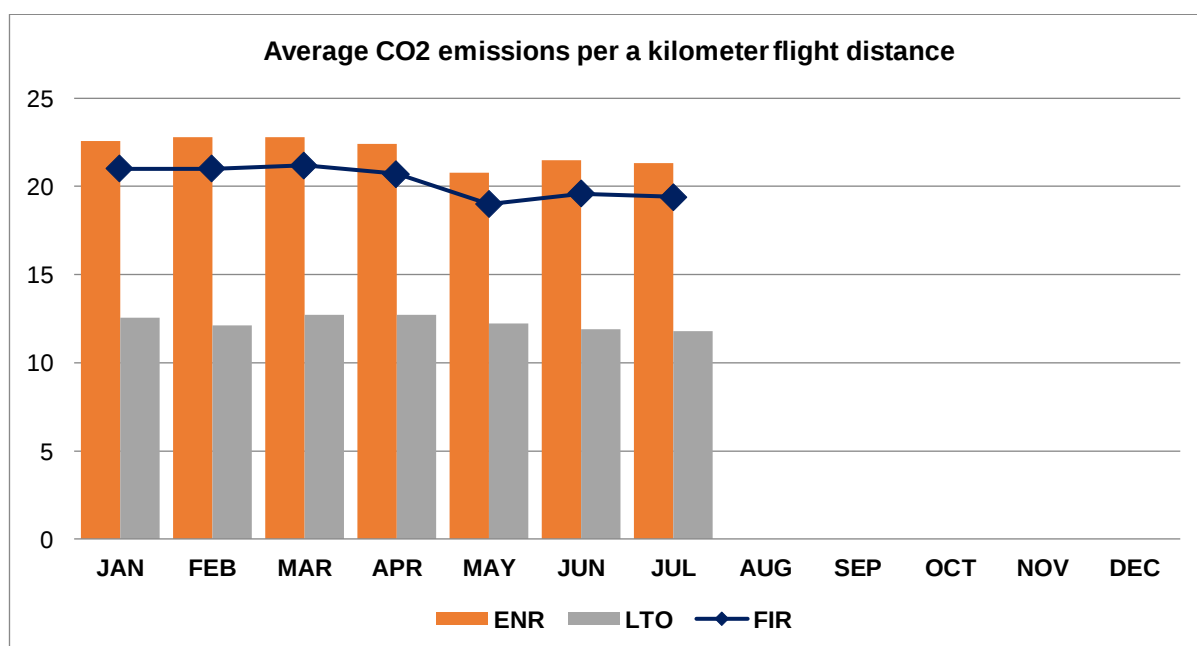
19,4 kg/km

CO2 emissions per a kilometer flight distance (ENR) July 2025

21,3 kg/km

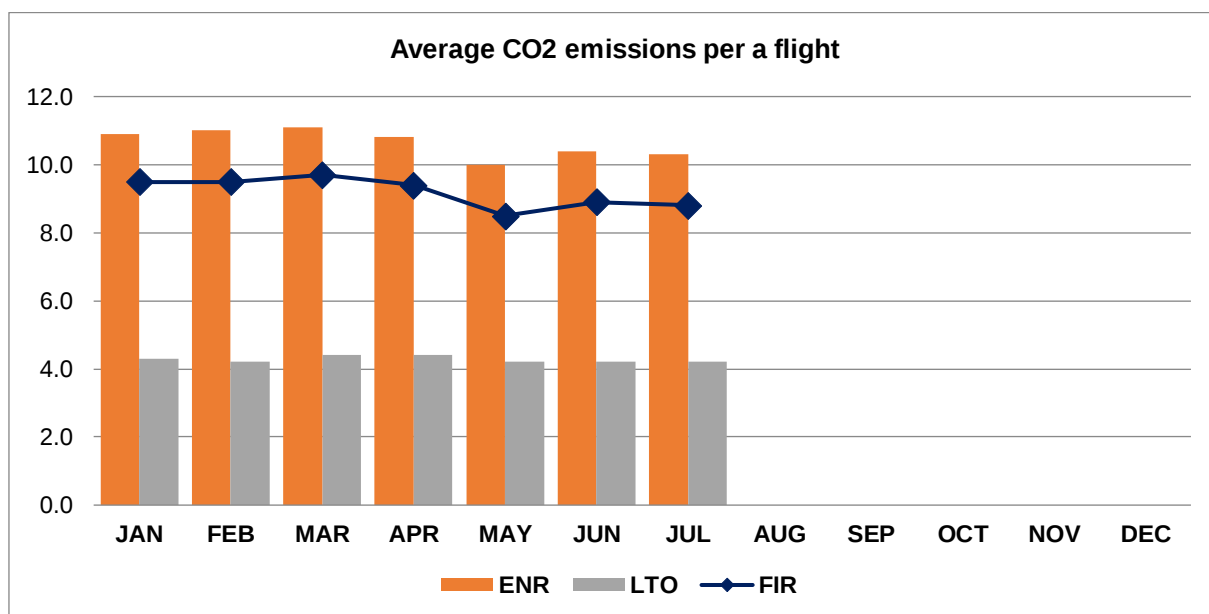
CO2 emissions per a kilometer flight distance (LTO) July 2025

11,8 kg/km



5.8.4 CO2 emissions per a flight

CO2 emissions per a flight (FIR)	July 2025	8,8 ton/flight
CO2 emissions per a flight (ENR)	July 2025	10.3 ton/flight
CO2 emissions per a flight (AD)	July 2025	4.2 ton/flight

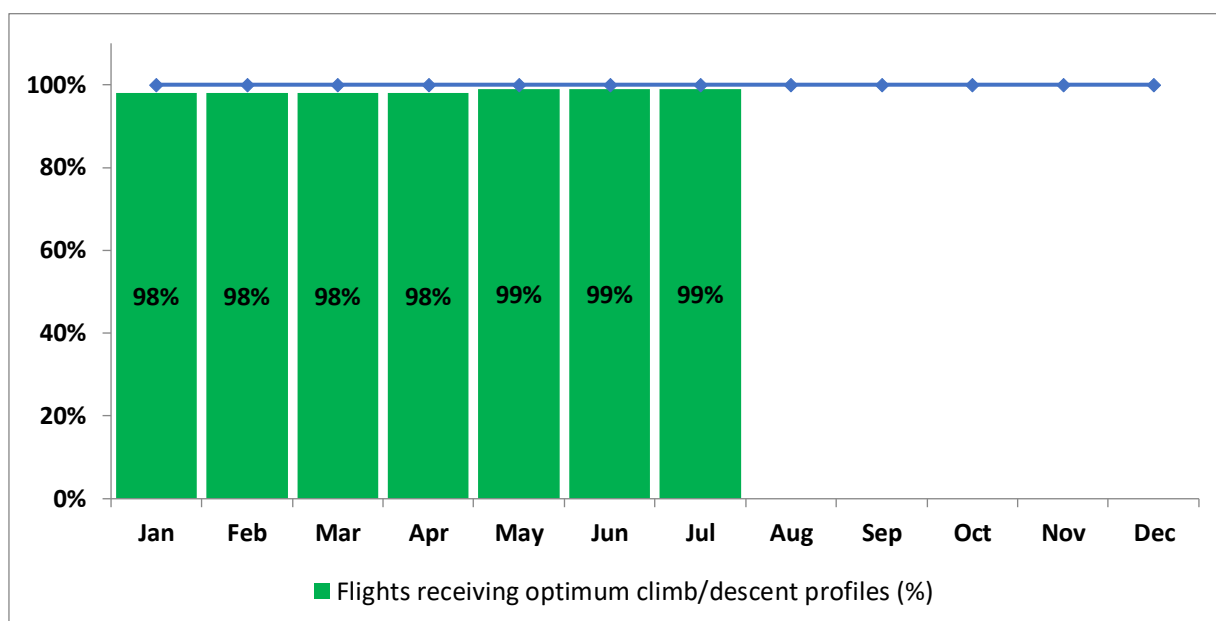


5.9 KPI – CCO/CDO operations

Introducing of CCO (Continues Climb Operations) and CDO (Continues Descend Operations) is an initiative to improve ATM efficiency, decrease fuel use and CO2 reduction.

«KPI – CCO/CDO operations » measures percentage of ACFT flown as CCO/CDO at airport Baku/Heydar Aliyev.

KPI - CCO/CDO operations July 2025 **99%**



5.10 KPI – Number of airspace users

The main goal of AZANS, as an air navigation services provider, is to ensure flight safety and provide high-quality air navigation services. One of the indicators is the preservation and increase in the number of the service users - airlines.
Only commercial airlines operating cargo and passenger transportation were used to measure KPI – Number of airspace users. State and general aviation were not taken into account.

KPI - Number of airspace users (FIR)	July 2025	217 Airlines.
KPI - Number of airspace users (ENR)	July 2025	188 Airlines
KPI - Number of airspace users (AD)	July 2025	71 Airlines.

