

# Dublin Airport Monthly Noise and Operations Report

January 2026

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- Operations and Runway Use
- Noise Complaints
- Flight Track Monitoring



# Part 1: Operations and Complaints

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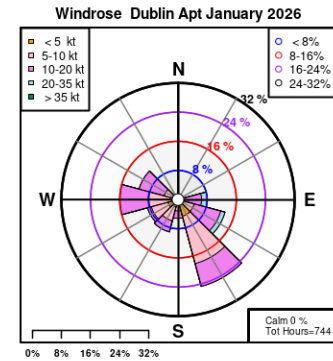
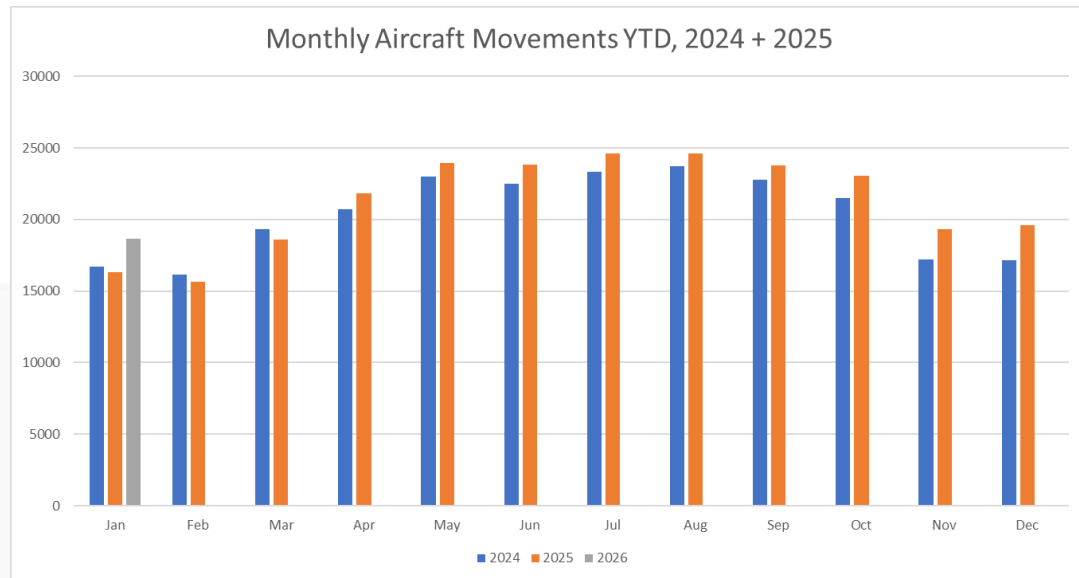
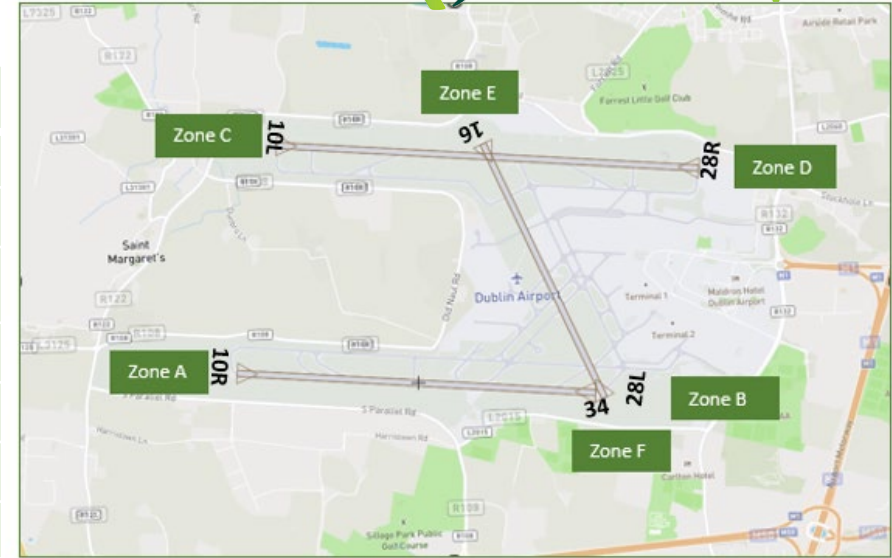
Page	Page Heading	Page Content
<b>PART 1</b>		
<b>4.</b>	<b>Explanation of Terms (Operations and Complaints)</b>	
<b>5.</b>	<b>Operations – Movements and Runway Use</b>	Provides an overview of the operations of the airport during the month, including arrival and departure movements, runway use, wind direction and movement comparisons with earlier months and the previous year.
<b>6.</b>	<b>Operations – Runway and Track Use</b>	Provides a representation of the distribution of arrivals and departures, along with data relating to the distribution of the main departure tracks.
<b>7.</b>	<b>2025 Annual Departure Swathe Data – Runway and Track Use</b>	Provides an overview of 2025 runway and track use.
<b>8.</b>	<b>Total Movements in the month by Hour of Day</b>	Provides an overview of the number of movements by hour of the day.
<b>9.</b>	<b>Noise Complaints - Complainant Statistics</b>	Provides rolling data on complainant statistics, including total complaints received.
<b>10.</b>	<b>Noise Complaints - Complainant Statistics</b>	Provides data on the complaints received by area from top 10 complainants and a breakdown of complaints by the top five individuals.
<b>11.</b>	<b>Noise Complaints – Area Analysis</b>	Provides an overview of both the number of complaints and number of complainants by area.
<b>12.</b>	<b>Noise Complaints – by Hour</b>	Provides an an overview of the number of noise complaints and complainants by hour of operation.
<b>PART 2</b>		
<b>13 – 21.</b>	<b>Flight Track Monitoring</b>	

Term	Definition
<b>Aircraft Movement</b>	An aircraft movement is either the arrival or departure of an aircraft at Dublin Airport. For an arrival, the aircraft is detected by radar at least 50km from the airport and the route it takes is recorded in the noise management system until it touches down on one of Dublin Airport's runways. For a departure, the radar detects the flight as it leaves the ground and records the route until it is at least 50km away.
<b>ANOMS</b>	The Advanced Noise Management System is Dublin Airport's database and management system for recording aircraft operations, flight tracks, noise monitoring terminals and complaints.
<b>Cat AB aircraft</b>	Category A and B aircraft are light and propeller-driven aircraft. This includes General Aviation aircraft (Cat A) and turboprop aircraft such as the ATR72 (Cat B).
<b>Cat CD aircraft</b>	Category C and D are heavier, jet aircraft.
<b>Runway Naming</b>	Runways are named based on the direction (or heading) an aircraft faces during an operation on that runway. For parallel runways, the L or R indicates whether it is on the left or the right. Dublin Airport has three runways: <ul style="list-style-type: none"><li>• South Runway - Operations are either on RW28L (facing west) or on RW10R (facing east)</li><li>• North Runway – Operations are either on RW28R (facing west) or on RW10L (facing east)</li><li>• Cross Runway – Operations are either on RW16 (facing south) or on RW34 (facing north)</li></ul>
<b>Wind Rose</b>	Circular graph of wind strength and direction issued by Met Eireann. As aircraft need to take-off and land when facing into the wind (except in low wind conditions less than 5 knots), the wind rose will give an indication of runway use.
<b>YTD</b>	Year To Date
<b>Zones A to F</b>	The "zones" are runway end zones defined for this report. For example, Zone A is west of the South Runway and is overflowed by arrivals on RW10R and departures on RW28L.

# January 2026 Operations – Movements and Runway Use

## Aircraft Movements (Cat ABC&D) January 2026

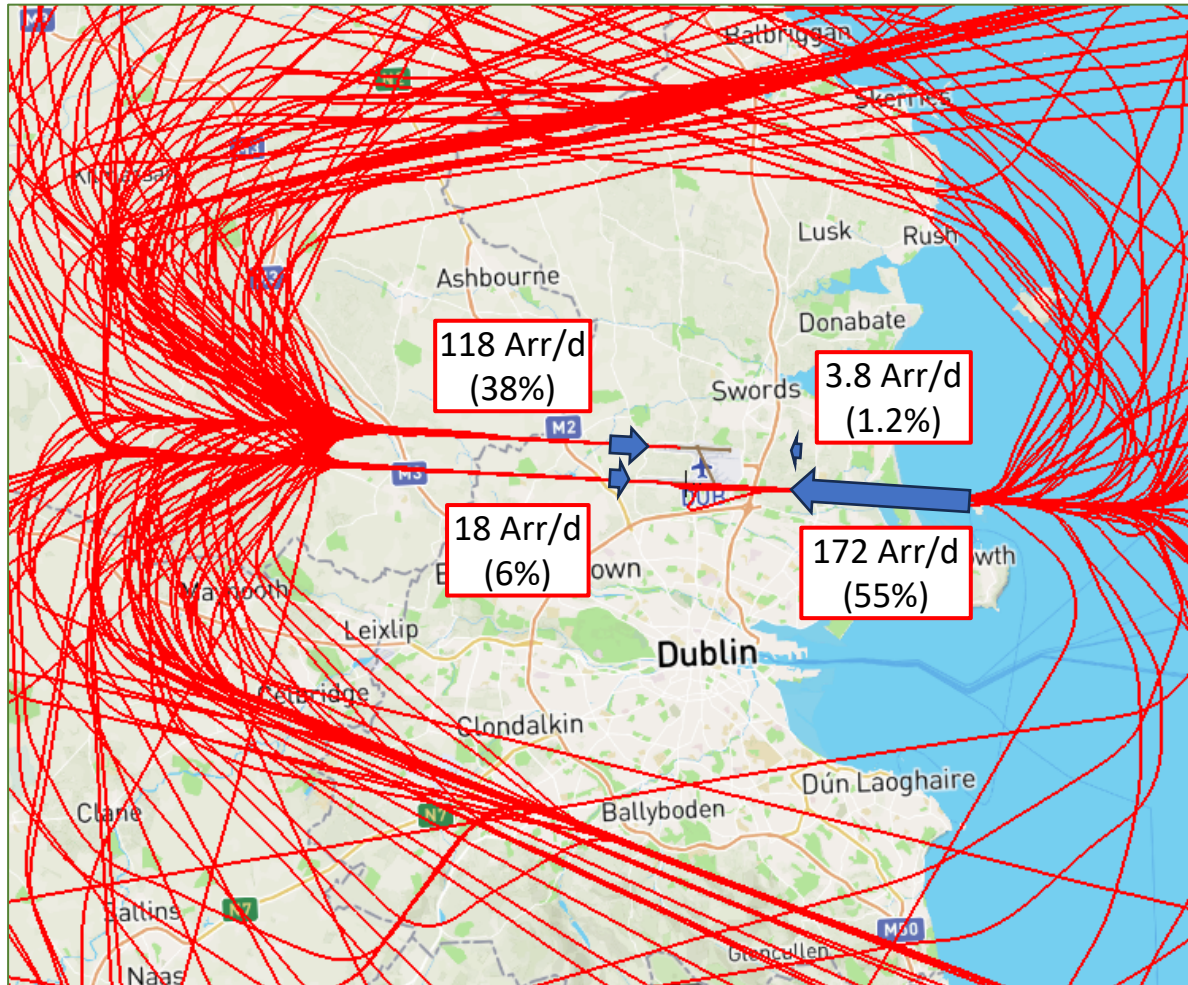
Zone		Arrivals		Departures		Total
A	South Runway	from West (RW10R)	524	to West (RW28L)	737	1,261
B		from East (RW28L)	5,168	to East (RW10R)	4,179	9,347
C	North Runway	from West (RW10L)	3,533	to West (RW28R)	4,409	7,942
D		from East (RW28R)	113	to East (RW10L)	12	125
E	Cross Runway	from North (RW16)	0	to North (RW34)	0	0
F		from South (RW34)	0	to South (RW16)	0	0
			9,338		9,337	18,675



**January 2026 Wind Rose:** shows percentage of time in each wind direction. Table below shows 2025 and YTD – westerly and easterly operations

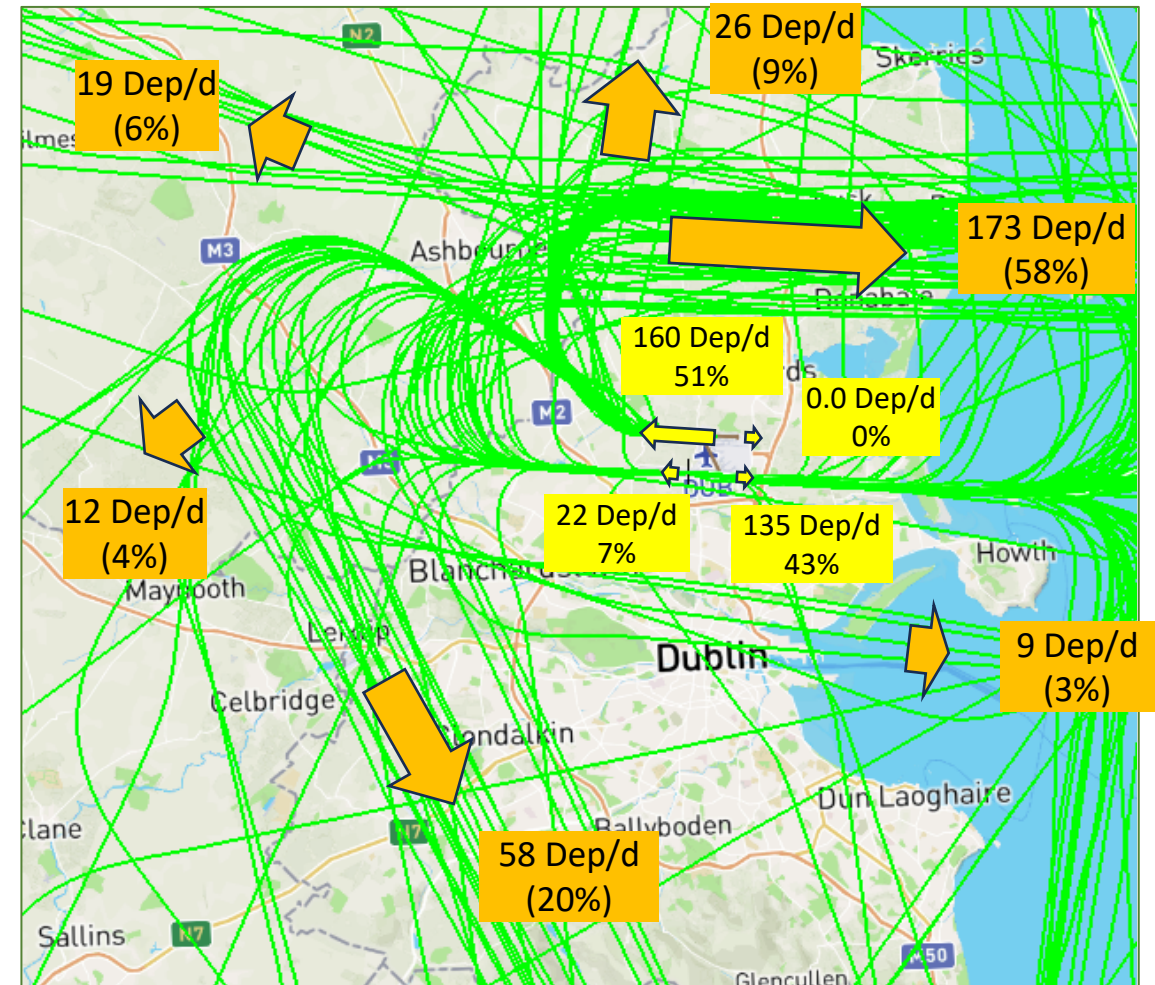
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
2026	W	56%												
	E	44%												
2025	W	82%	45%	55%	32%	44%	80%	80%	67%	78%	75%	76%	58%	65%
	E	18%	55%	45%	68%	56%	20%	20%	33%	22%	25%	24%	42%	35%

# January 2026 Operations – Runway and Track Use



Graphic depicts:

- Average arrival movements per day (d) on each main runway
- % arrivals on each main runway this month
- Note: example flight track selection used



Graphic depicts:

- Average departure movements per day on each main runway (yellow boxes)
- % departures on each main runway this month (yellow boxes)
- Average departures per day on each main track swathe (orange boxes)
- Note: example flight track selection used

# 2025 Departure Swathe Data – Runway and Track Use

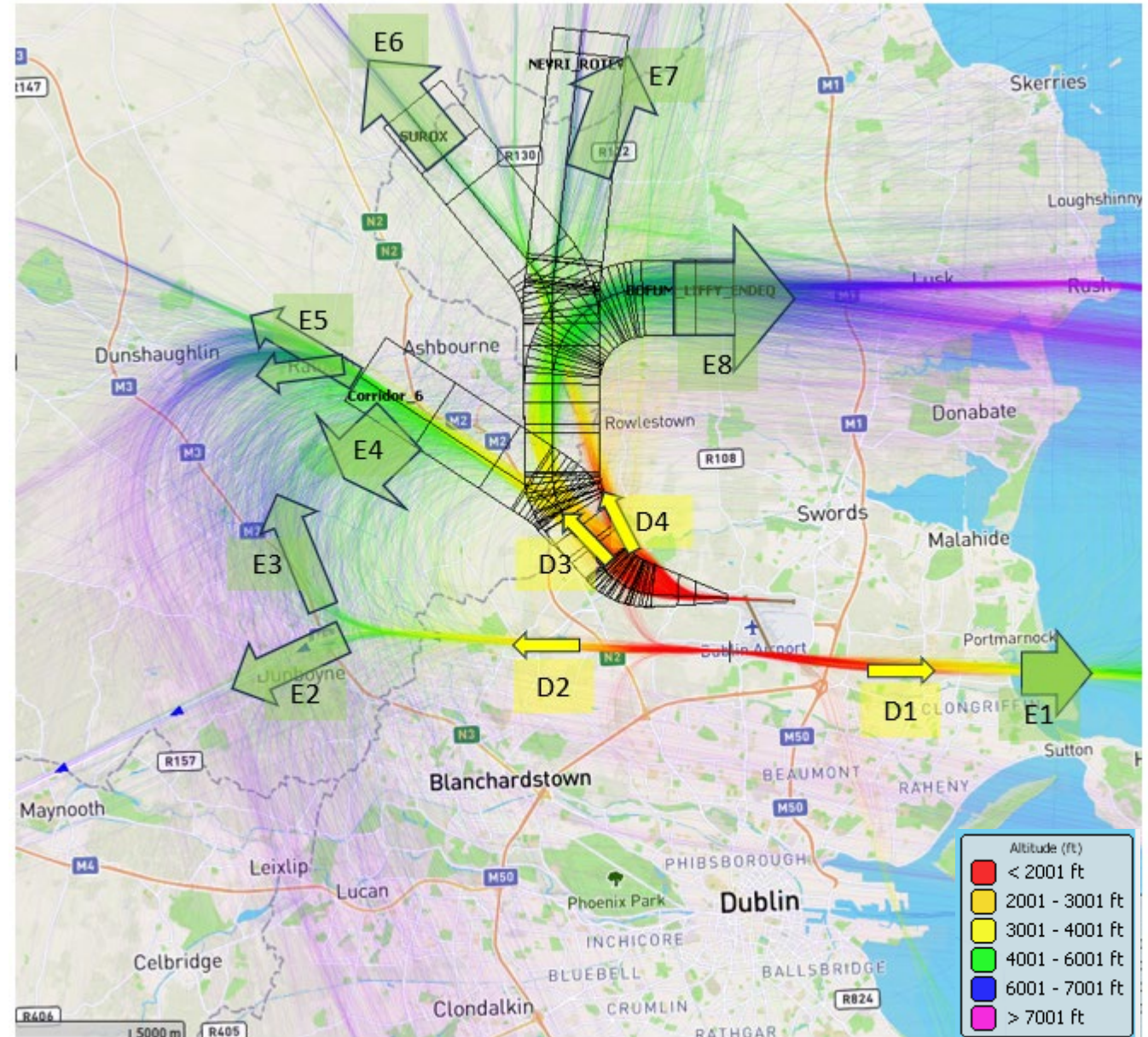
This table shows how departing aircraft were distributed across different flight path corridors ('swathes') during 2025.

## ~1,000 – 3,000 ft (D1 – D4)

	Swathe	Avg Dep/d	Percentage of Departures
D1	10R	124	36%
D2	28L	26	8%
D3	28R Jet	177	50%
D4	28R Turboprop	22	6%

## ~4,000 – 6,000 ft (E1 – E8)

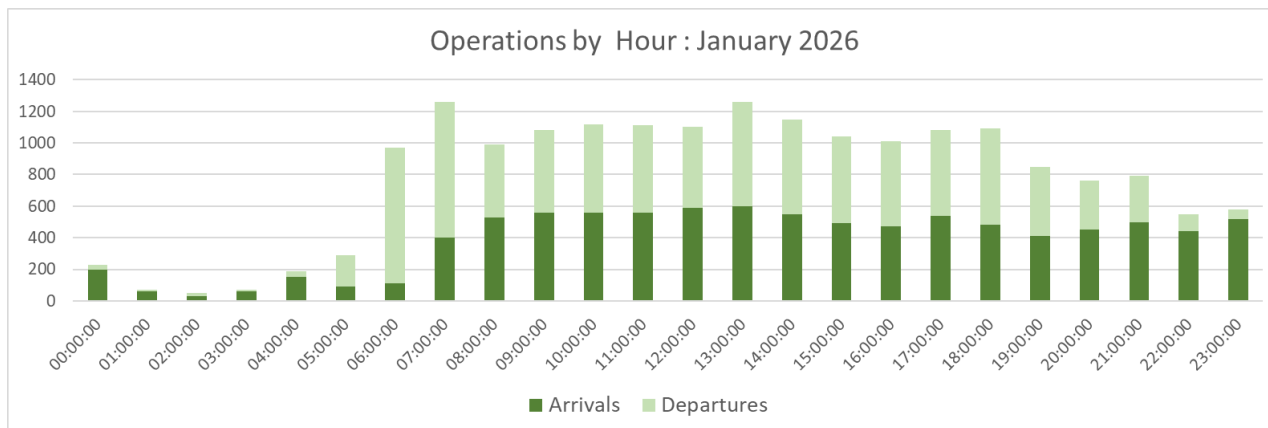
	Swathe	~Avg Dep/d	Percentage of Departures
E1	10R (easterly dep)	124	36%
E2	28L, S- & W-bound (left turn)	13	4%
E3	28L, N- & E-bound (right turn)	13	4%
E4	28R, S- & W-bound, left turn from NPR	25	7%
E5	28R, S- & W-bound, exit end of NPR	50	15%
E6	28R, NW-bound	8	2%
E7	28R, N-bound	19	6%
E8	28R, E-bound	87	26%



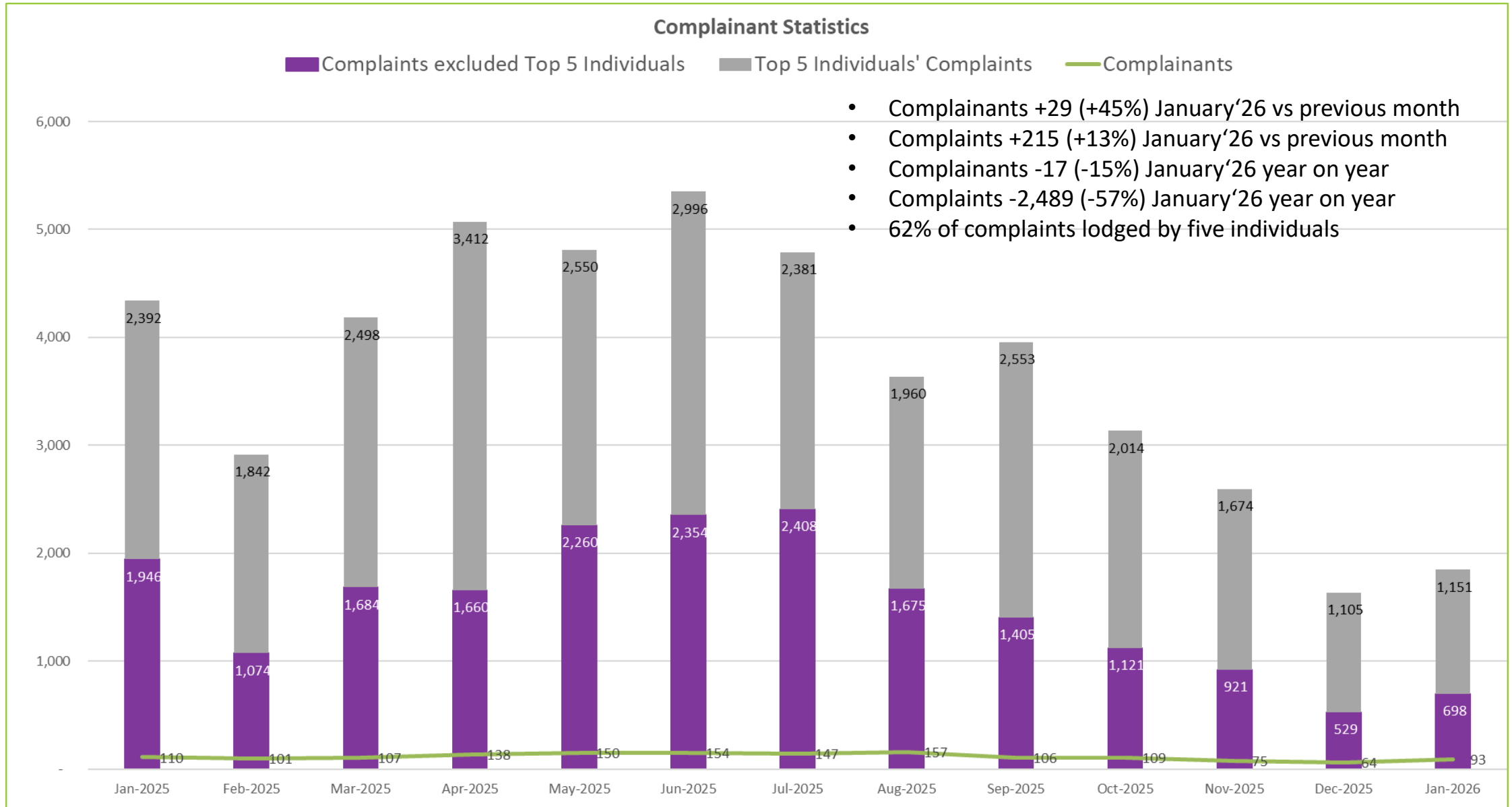
# January 2026 – Total Movements in the Month by hour of day

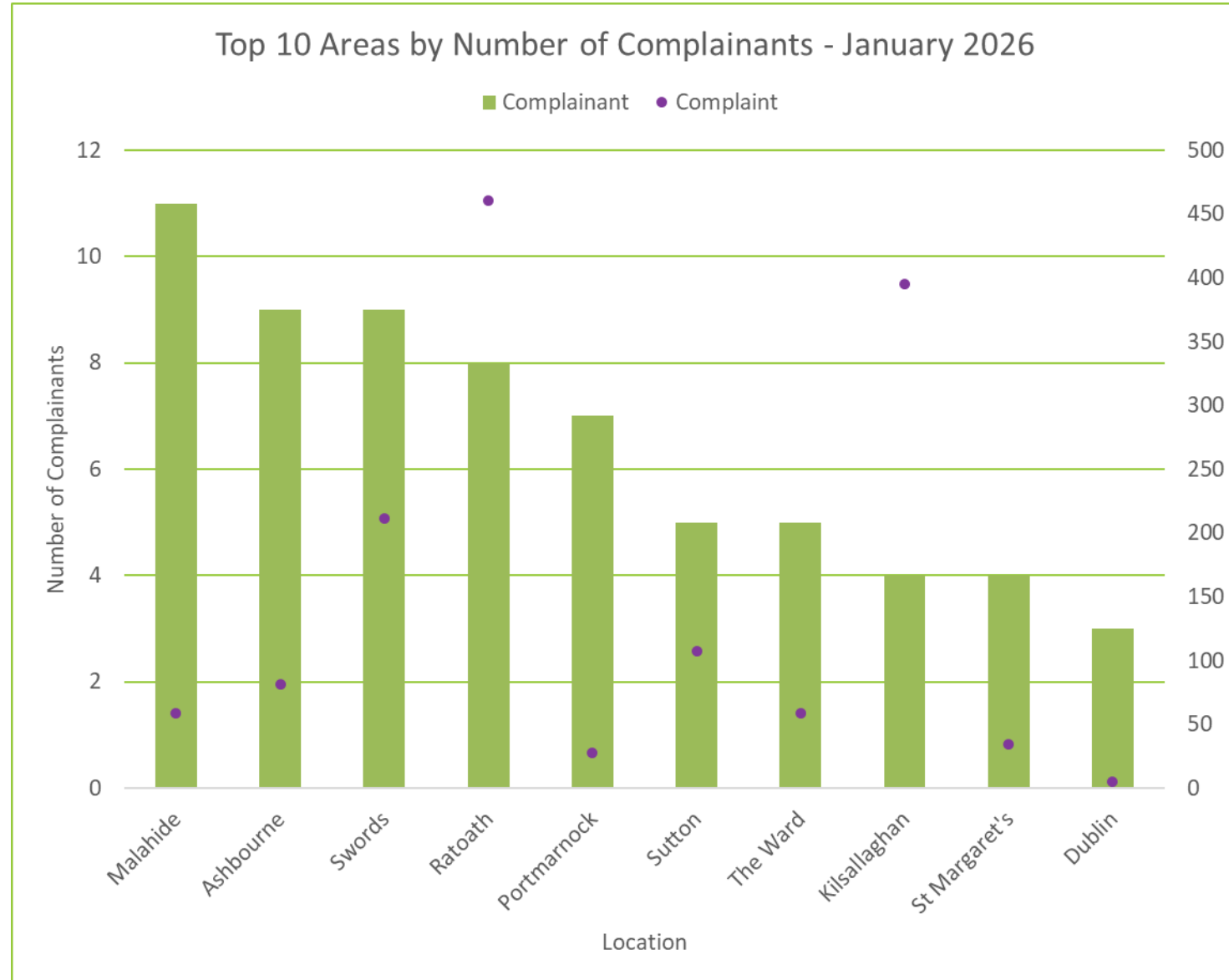
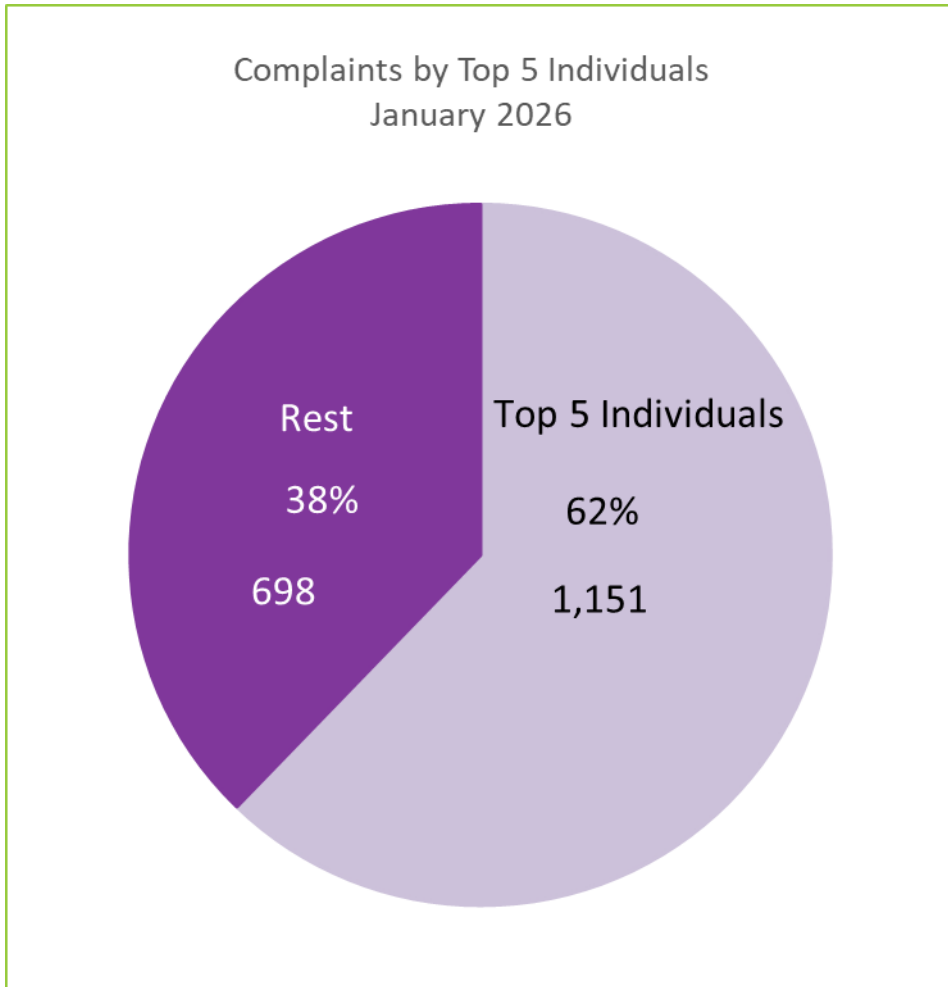
Night Hours			
Hour of day	Arrivals	Departures	Movements
00:00	200	30	230
01:00	60	10	70
02:00	30	20	50
03:00	60	10	80
04:00	150	40	190
05:00	90	200	290
06:00	110	860	960
23:00	520	60	570
<b>Total</b>	<b>1210</b>	<b>1220</b>	<b>2430</b>

Day Hours			
Hour of day	Arrivals	Departures	Movements
07:00	400	860	1260
08:00	530	460	990
09:00	560	520	1080
10:00	560	560	1120
11:00	560	550	1100
12:00	590	510	1100
13:00	600	660	1260
14:00	550	600	1150
15:00	490	550	1040
16:00	470	540	1010
17:00	540	540	1080
18:00	480	610	1090
19:00	410	440	850
20:00	450	310	760
21:00	500	290	790
22:00	440	110	550
<b>Total</b>	<b>8110</b>	<b>8110</b>	<b>16220</b>



# Noise Complaints - Complainant Statistics





The left-hand axis (green) shows the number of individual complainants, while the right-hand axis (purple) shows the total number of complaints received in each area.

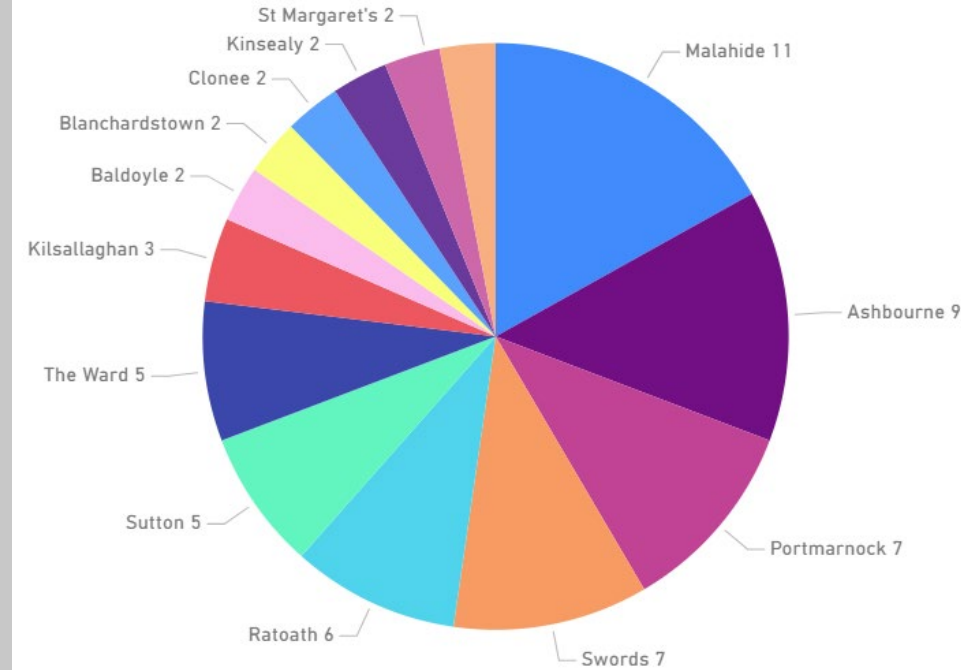
# January 26 – Complaints & Complainants Map

Area	Complaints	Complainants
Malahide	59	11
Ashbourne	81	9
Swords	211	9
Ratoath	461	8
Portmarnock	28	7
Sutton	107	5
The Ward	59	5
Kilsallaghan	395	4
St Margaret's	34	4
Dublin	5	3
Kinsealy	4	3
Baldoyle	134	2
Blanchardstown	7	2
Clonee	3	2
Tyrrelstown	4	2
Artane	4	1
Ashtown	19	1
Balgriffin	185	1
Ballymun	1	1
Carpenterstown	1	1
Castleknock	6	1
Celbridge	2	1
Cloghran	1	1
Donabate	1	1
Dunleer	1	1
Dunshaughlin	1	1
Hollystown	25	1
Howth	2	1
Lusk	1	1
Ongar	1	1
Raheny	2	1
Tallaght	1	1

Complainants by Area: Bubble Map



Complainants by Area



(Areas where Complainants > 1)

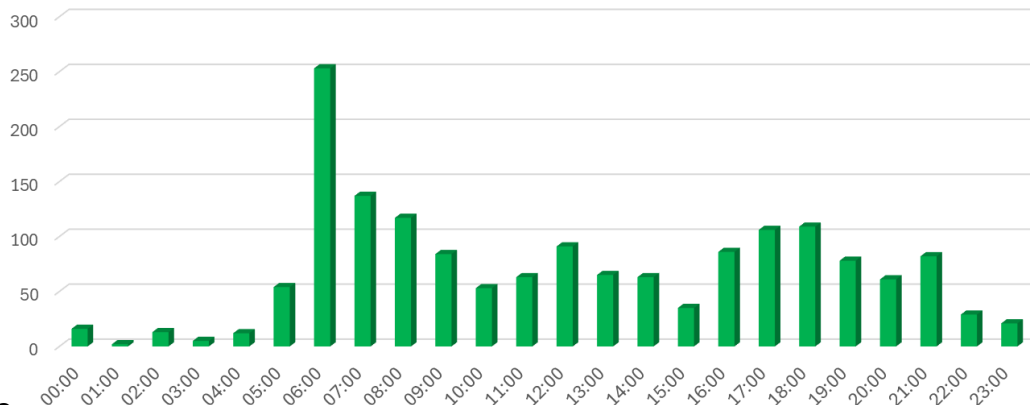
\*Only areas with more than one complainant are shown

# January 2026 - Noise Complaints – by Hour of Operations

Night		
Hour of operation	Number of complaints	Number of complainants
00:00	22	10
01:00	8	5
02:00	9	4
03:00	6	6
04:00	17	10
05:00	76	14
06:00	293	17
23:00	56	18
<b>Total</b>	<b>487</b>	

Day		
Hour of operation	Number of complaints	Number of complainants
07:00	143	24
08:00	125	17
09:00	114	16
10:00	70	15
11:00	36	13
12:00	35	11
13:00	52	12
14:00	62	16
15:00	35	7
16:00	54	10
17:00	100	14
18:00	101	16
19:00	141	15
20:00	111	18
21:00	112	19
22:00	71	25
<b>Total</b>	<b>1,362</b>	

Complaints by Hour



## Part 2: Flight Track Monitoring

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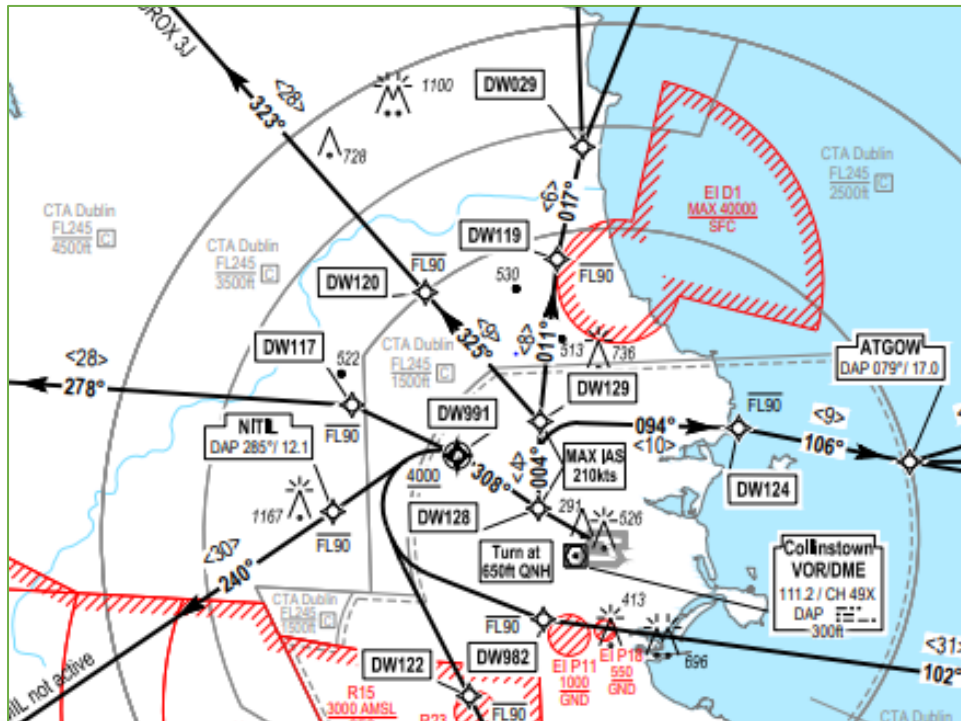


Page	Page Heading	Page Content
15.	Explanation of Terms (Flight Track Monitoring)	
16.	Standard Instrument Departures (SID) North Runway	<ul style="list-style-type: none"> <li>• AirNav Ireland maps displaying the departure SIDs from North Runway towards the West and the East.</li> </ul>
17.	Standard Instrument Departures (SID) South Runway	<ul style="list-style-type: none"> <li>• AirNav Ireland maps displaying the departure SIDs from South Runway towards the West and the East.</li> </ul>
18.	Noise Preferential Routes (NPR)	<ul style="list-style-type: none"> <li>• Map showing the Noise Preferential Routes (NPR) for Jet Aircraft Departures from the North and South Runways in both Easterly and Westerly directions.</li> </ul>
19.	Departure Track Adherence data (2025 and YTD 2026)	<ul style="list-style-type: none"> <li>• Chart and table of the percentages of departures each month since January 2024 that operated within the NPR until reaching the minimum height.</li> </ul>
20.	Track NPR Deviation Examples – North Runway	<ul style="list-style-type: none"> <li>• Maps showing examples of aircraft departure flight tracks from the North Runway that left the NPR before reaching the required minimum height of 4,000 ft.</li> </ul>
21.	Track NPR Deviation Examples – South Runway	<ul style="list-style-type: none"> <li>• Maps showing examples of aircraft departure flight tracks from the South Runway that left the NPR before reaching the required minimum height of 3,000 ft.</li> </ul>

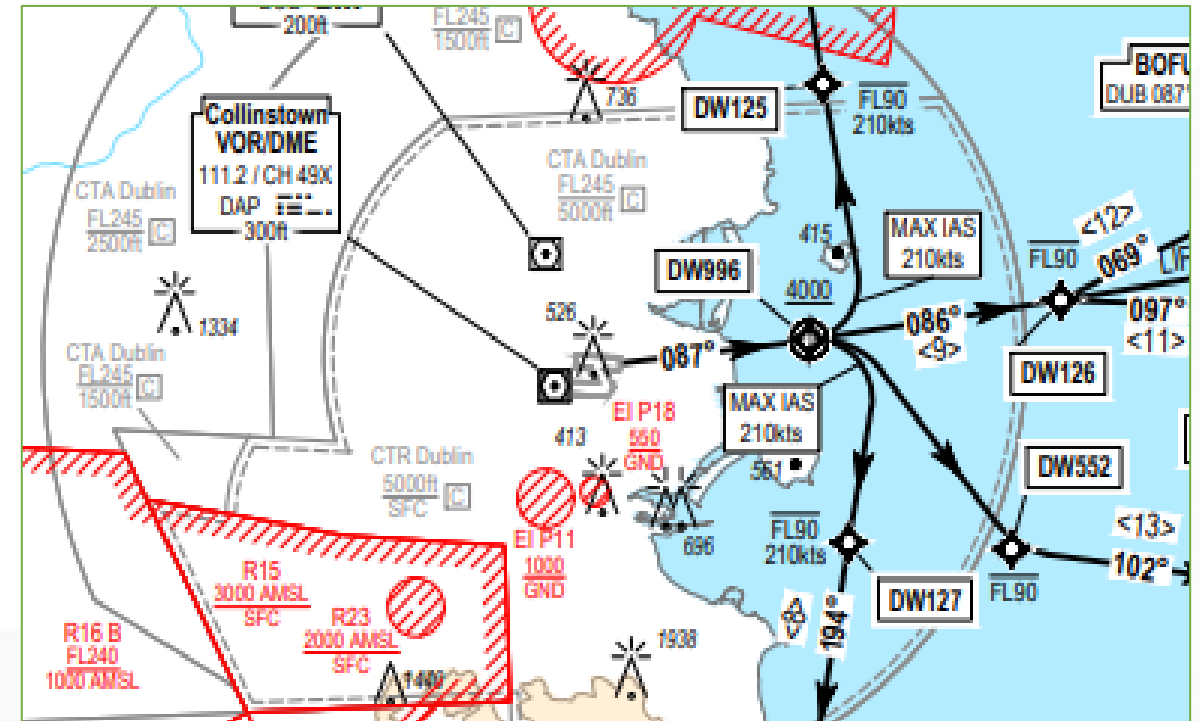
Term	Definition
<b>Arrival Tracks</b>	Arriving aircraft must fly in a straight line for at least the final 11km of their approach. Aircraft come into the airport at a precise downward angle of 3 degrees, which means that they are at a height of 1,800ft when they join the final approach at the 11km point.
<b>Departure Tracks</b>	Departing jet aircraft are required to follow procedures defined by the SID and to stay within the Environmental Corridor, also called the Noise Preferential Route (NPR).
<b>Environmental Corridor</b>	This is the same as the NPR (see below).
<b>Noise Preferential Route (NPR)</b>	Each SID (see below) at Dublin Airport has an "Environmental Corridor" also called a Noise Preferential Route (NPR). An NPR starts at the runway and is 240m wide and then, following the SID, fans out until the aircraft reaches a minimum altitude of 3,000 ft (South Runway) or 4,000 ft (North Runway). This only applies to jet aircraft – Cat C or D. (See Page 17)
<b>Standard Instrument Departure (SID)</b>	Depending on the departure runway and final destination, departing aircraft follow routes called Standard Instrument Departures (SID). SIDs allow aircraft to safely depart an airspace following a pre-defined route. (See Pages 16 and 17)
<b>Track Adherence</b>	To comply with an NPR, a departing jet aircraft needs to stay within the corridor until it reaches the required 3,000ft elevation (4,000ft for North Runway departures). After that, the pilot may fly a more direct heading for the final destination. An aircraft may be instructed by Air Traffic Control to leave the NPR before the required height due to weather, traffic or other considerations.
<b>Track Deviation</b>	A jet aircraft deviates from the NPR if it leaves the corridor below 3,000 ft (for South Runway departures) or 4,000 ft (for North Runway departures).
<b>Vectoring</b>	In some cases, Air Traffic Control may instruct a pilot to deviate from an NPR before reaching the minimum required height. This may be due to weather, traffic congestion, or other reasons. This is called Vectoring. In such cases, the track deviation is not considered to be an infringement (or violation) of the rule.

# Standard Instrument Departures (SID) North Runway

- Jet aircraft departures are required to follow these Standard Instrument Departures (SID).
- SIDs are developed taking into account various safety, operational and environmental considerations amongst others.



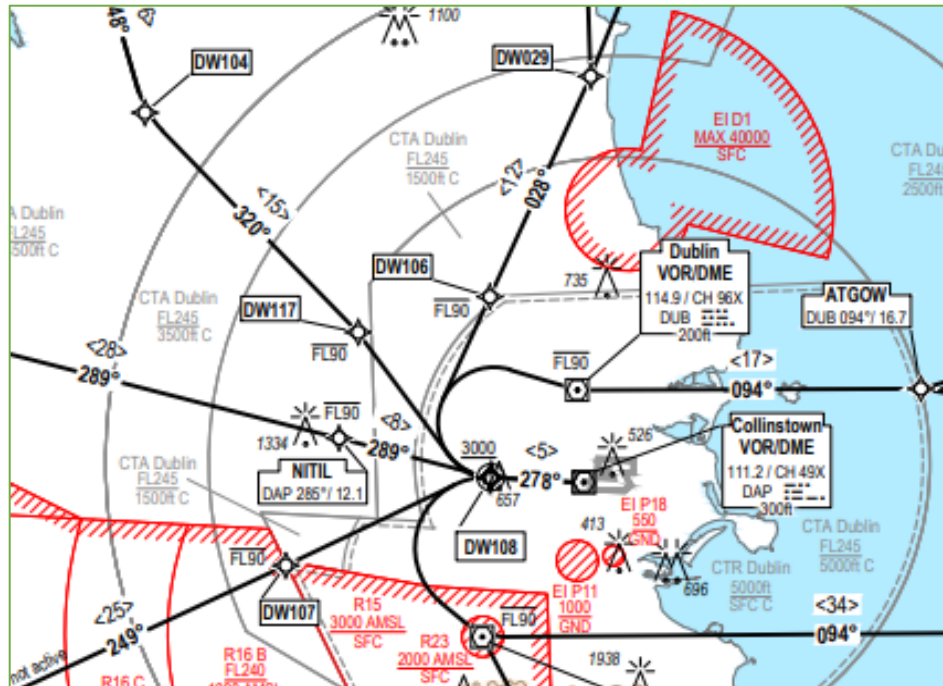
*SID for North Runway (28R) departures to the west (westerly operations in westerly winds)*



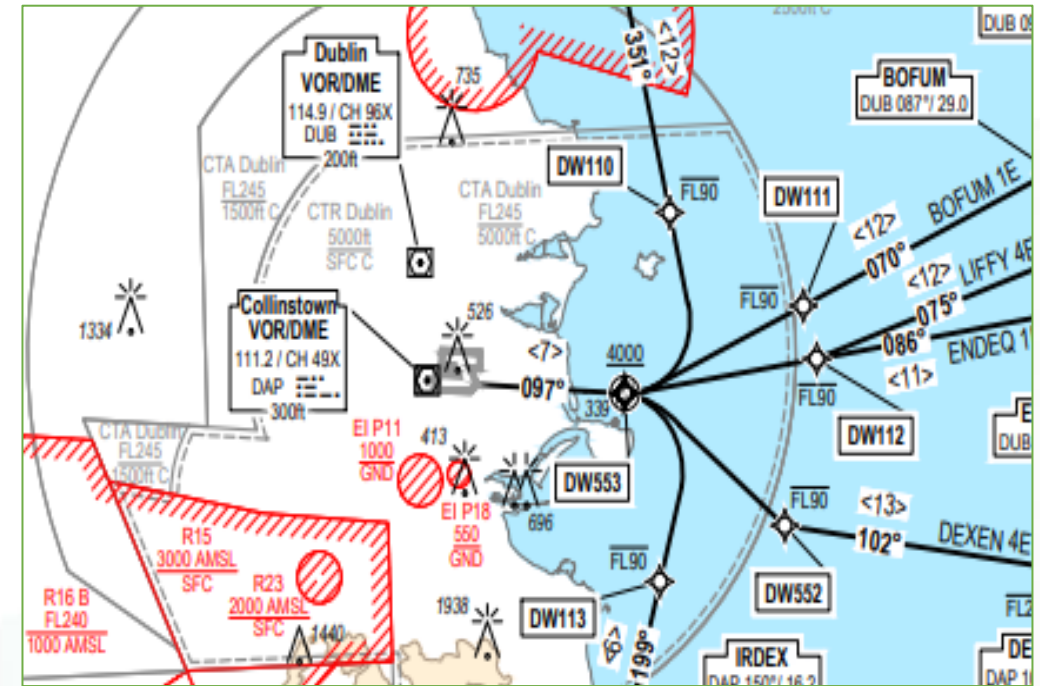
*SID for North Runway (10L) departures to the east (easterly operations in easterly winds)*

# Standard Instrument Departures (SID) South Runway

- Jet aircraft departures are required to follow Standard Instrument Departures (SID)



*SID for South Runway (28L) Departures to the west (Westerly operations in westerly winds)*

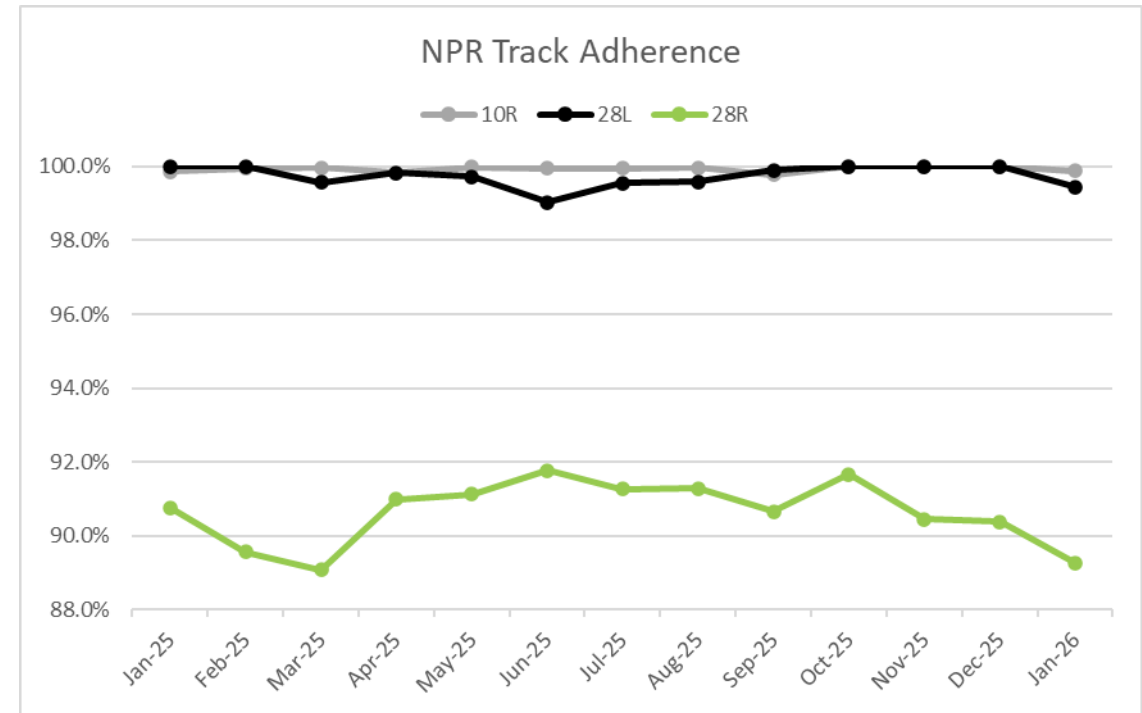


*SID for South Runway (10R) Departures to the east (Easterly operations in easterly winds)*



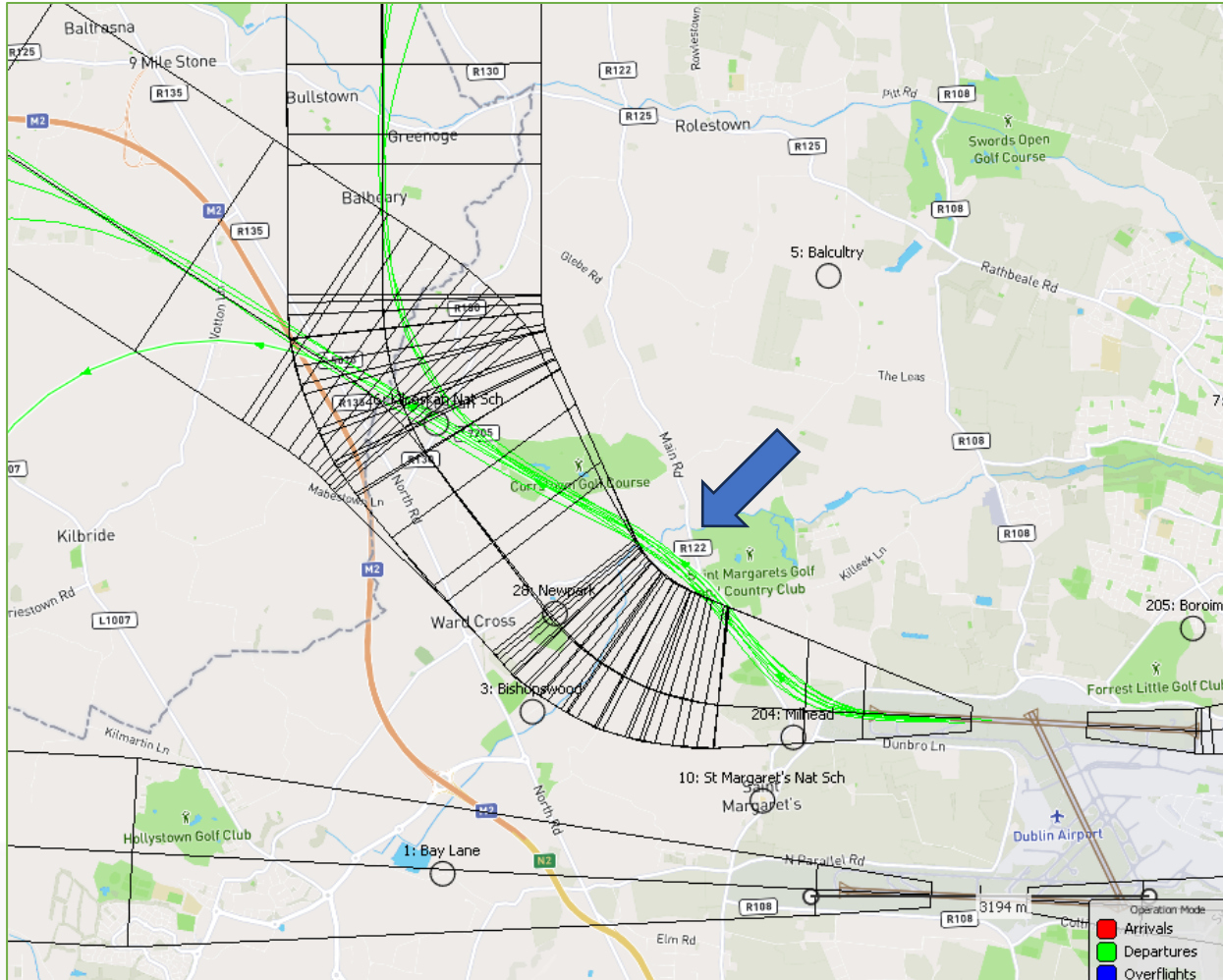
# Departure Track Adherence (Monthly 2025 and 2026)

- Track Adherence refers to jet aircraft departures that remain within the NPR up to the minimum height.
- Both runways are displaying a high level of track adherence (close to 90% for North Runway westerly and close to 100% for South Runway – westerly and easterly).
- Further work is underway on improving track adherence which will include the implementation of a tool which can be used by AirNav Ireland and airlines to track and manage deviations and conduct detailed investigations into individual deviations.
- Note: North Runway easterly and Cross Runway operations are too seldom used to warrant reporting.

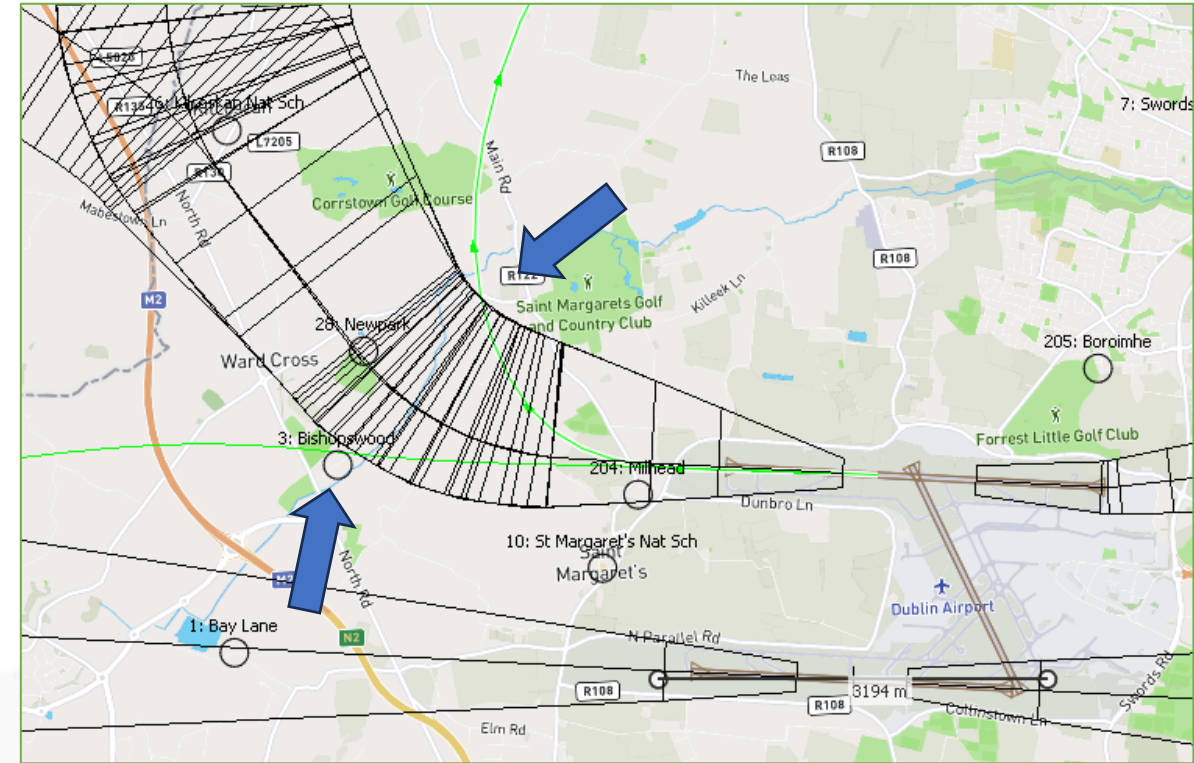


Departure Runway	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
10R (South Runway)	99.9%											
28L (South Runway)	99.5%											
28R (North Runway)	89.3%											
<b>Total Airport (2026)</b>	<b>94.8%</b>											
<b>Total Airport (2025)</b>	<b>93.3%</b>	<b>96.0%</b>	<b>94.8%</b>	<b>97.4%</b>	<b>96.7%</b>	<b>94.0%</b>	<b>93.7%</b>	<b>94.9%</b>	<b>93.5%</b>	<b>94.4%</b>	<b>93.6%</b>	<b>95.1%</b>

# Track NPR Deviation Examples – North Runway (RW28R)

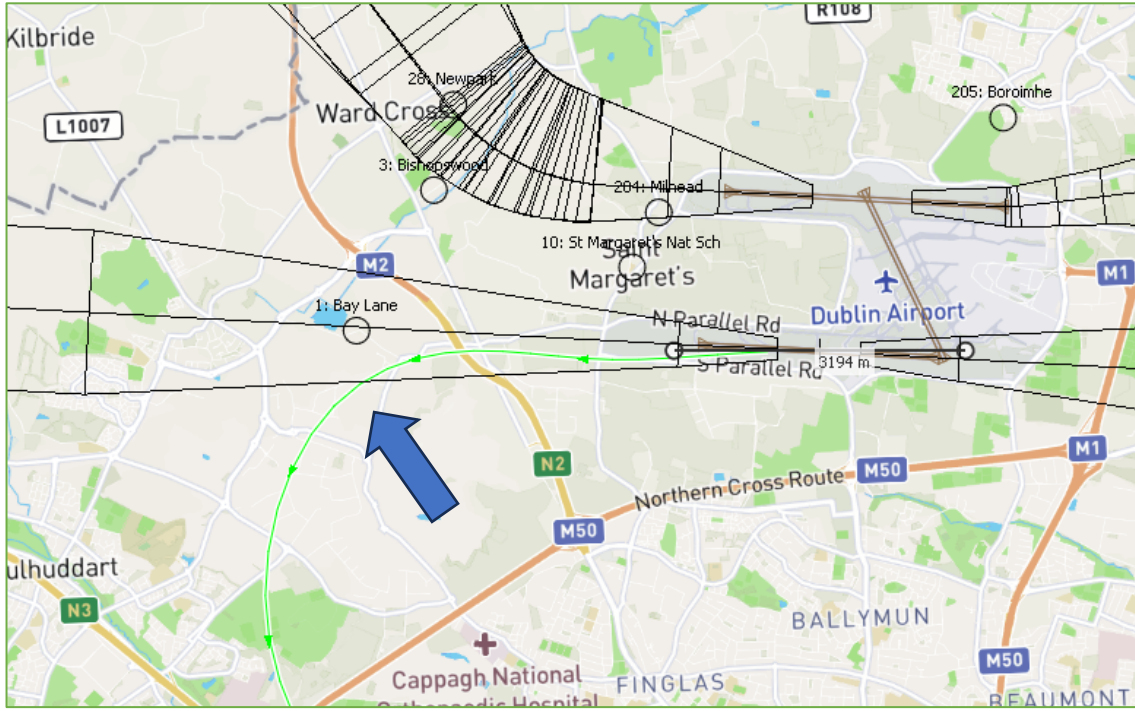


The above diagram displays a number flights which exited the North Runway NPR and then re-entered the NPR. This is a known issue for a small percentage of aircraft and Dublin Airport is working with the airlines and the aircraft manufacturer on resolving it.

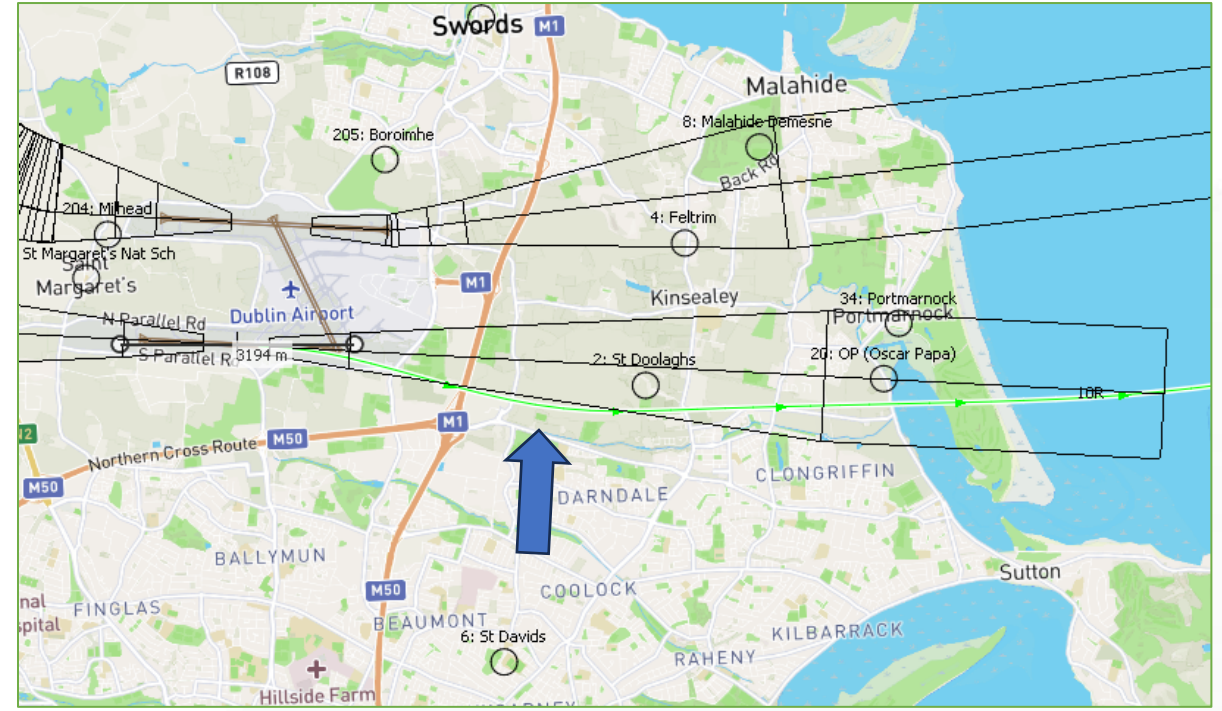


The above diagram displays two different departing flights which exited the North Runway NPR before they would have reached 4,000 ft altitude.

# Track NPR Deviation Examples – South Runway



*A jet aircraft departed the South Runway heading west and then turned left (southward) not far after the M2 motorway before reaching 3,000ft.*



*This jet aircraft departed the South Runway heading east. It deviated from the NPR for a short distance and then returned to the corridor, to continue on the correct path.*

# End

**For further information, please visit  
our website:**

**[www.dublinairport.com](http://www.dublinairport.com)**