
**AERONAUTICAL
NOTICE**

IRELAND

SAFETY REGULATION DIVISION
IRISH AVIATION AUTHORITY
THE TIMES BUILDING
11-12 D'OLIER ST
DUBLIN 2

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Tel +353 1 671 8655 Fax +353 1 679 2934 AFTN EIDWYOYX

Flying Display Permissions (FDPs)

General:

The purpose of this notice is to give general information to pilots proposing to engage in any flying display, including any 'practice display' or 'press display' which requires permission from the Irish Aviation Authority (IAA). The focus of this Aeronautical Notice is oriented towards aeroplanes as they constitute a significant majority of flying display applications to the IAA. However, the operating conditions for all flying Display Permissions including helicopters or other aircraft types will be assessed by the IAA on a case by case basis.

In general, flying displays / flights which require permission are those that involve operating either below the legal minimum heights or in the vicinity of an assembly of people, or both. Such permissions require alleviation from the Rules of the Air.

Note: The IAA considers a crowd of twelve or more people 'an assembly'.

The Regulations:

The Rules of the Air applicable in Ireland are found in Commission Implementing Regulation EU 923/2012, generally known as the Standardised European Rules of the Air (SERA).

Flight Permit:

Some Aircraft will have limitations or Conditions endorsed on their Flight Permit which must be observed if more restrictive than SERA or a Flying Display Permission.

Flying Display Permissions:

When considering an application for permission to engage in a flying display, the IAA will evaluate each submission to confirm that suitable mitigations are put in place to ensure public safety. Each application is evaluated on a case by case basis. The application must be made by a person, known as the Flight Display Director (FDD), who will evaluate the extent of the alleviation from the Rules of the Air required to conduct the flying display without compromising safety. When an application does not meet the minimum application conditions required or it is determined that there may be any safety issue, the permission will not issue. In this case the proposed display shall not take place.

Flight Display Director (FDD)

In every case, an application for Flying Display Permission shall be made on behalf of the participating pilots by a Flight Display Director (FDD) accepted by the Authority. The FDD shall be a person of integrity, with a proven aeronautical background suitable to understand the dynamics of the applicable application and ensure public safety. The IAA reserves the right to interview an FDD applicant or call for additional evidence of his or her suitability before deciding upon his or her acceptability. The FDD shall not be a participant in a flying display under his or her control or have any vested interest that may influence his or her safety responsibilities. The FDD may also be

required to demonstrate to the IAA that he or she has a thorough understanding of any formation and or aerobatic routines in a specific application and the associated risks and mitigations.

The FDD shall conduct a risk assessment of each display item and the display line. The FDD shall also be responsible for imposing minimum height and manoeuvre restrictions in the proposed display area. The FDD shall ensure that all display participants receive a comprehensive written and oral safety brief prior to the display and that a means of two-way radio communication is possible with each pilot during the display. The FDD will have the first and final call on the permissible local weather conditions and full authority to terminate the proposed display or to enforce any contingency deemed necessary for safety reasons.

Flight Control Committee (FCC)

Additional to the FDD, when a proposed flying display involves 4 or more display items, displaying within 15 minutes of each other, a Flight Control Committee (FCC) shall be in place. The FCC shall be made up of additional persons with suitable aeronautical backgrounds. The FCC shall act under the direction of the Flight Display Director. A FCC shall comprise of at least 2 people for a display involving 4 or more display items. When a proposed display involves more than 7 display items, the FCC shall comprise of at least 3 people

The function of the FCC shall be to monitor each aircraft involved in the flying display, evaluate the performance and adherence to the nominated routine and to effectively terminate the display if there are any safety concerns.

Note: THE FDD and the FCC are supplementary requirements to mitigate the risks of flights lower than minimum heights or in the vicinity of people. The FDD and the FCC are prerequisites of any Flying Display Permission. However, the pilot in command remains responsible for the safe operation and navigation of his or her aircraft, at all times.

General Guidelines:

Except where otherwise specifically agreed, no permission will be issued with values less than the following limits (however these limits may be increased on a case by case basis):

Display Line Minimum Distance from Crowd Line

Aircraft Display Speed	Type of Display	
	Minimum Distance from Crowd Line	
	Flypast	Aerobatics
Less than 100 kts IAS	100 meters	100 meters
100 kts – 200 kts IAS	120 meters	150 meters
200 kts – 300 kts IAS	200 meters	200 meters
300 kts - 400 kts IAS	200 meters	230 meters
Note: Any planned displays involving speeds exceeding 400 kts require specific permission		

Table 1

Minimum Flying Display Permission Heights

Manoeuvre	Minimum Altitude
Straight and Level Flypast (Note: Max 30° bank or as required to safely achieve or exit the display line)	200’ AGL above the highest obstacle within 150 m of the display line
Aerobatic Manoeuvres (Note: No stalled or gyroscopic manoeuvres permitted below 1500’)	Recovery by 500’ AGL above the highest obstacle within 150 m of the display line

Table 2

Flying Display Permission Application Procedure:

1. All applications for a Flying Display Permission shall be submitted to the IAA on form FOD.230 (Available on the IAA website).
2. Applications must be submitted at least 30 working days in advance of proposed Flying Display.
3. The application shall include:
 1. a pictorial copy of the site layout including display lines / axes;
 2. a pictorial copy of the display boundaries, spectators' enclosures and car parks;
 3. a copy of the event insurance certificate;
 4. a copy of the aircraft insurance;
 5. a copy of the risk assessments for each act in the proposed display;
 6. aircraft permit to fly (if applicable); and
 7. A summary of the pilots' experience / qualifications, as applicable.
4. The IAA may publish the details of any permission, including the pictorial copy of the proposed display line(s) and the contact details for the FDD in advance of the proposed display date.

**Chief Executive
Irish Aviation Authority**

Terms used in this Notice:

Crowd Line: The forward edge of the areas intended for spectators and any car park to which the public has access during a Flying Display

Display Line or Axis: A line defining the closest a display aircraft should approach the crowd line

Display Area: The ground area the FDD intends the display to be confined within

Display item - A single aircraft, or formation of aircraft, flying as one display 'act'.