
IRELAND
SAFETY REGULATION DIVISION
IRISH AVIATION AUTHORITY
TIMES BUILDING
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DUBLIN 2

**AERONAUTICAL
NOTICE**

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Tel +353 1 6718655 Fax +353 1 6774068 AFTN EIDWYOYX

PERIODIC WEIGHING OF AIRCRAFT

The Irish Aviation Authority, in pursuance of Articles 23 and 31 of the Irish Aviation Authority (Airworthiness of Aircraft) Order 1996, (S.I. No. 324 of 1996), as amended by the Irish Aviation Authority (Airworthiness of Aircraft) (Amendment) Order S.I. No. 102 of 1997 and the Irish Aviation Authority (Airworthiness of Aircraft) (Amendment) Order S.I. No 684 of 2003 hereby directs;

Where not subject to Regulation (EC) No 216/2008, the following shall apply:

1. The mass and, except for balloons, the centre of gravity (CG) of an aircraft shall be established by actual weighing prior to initial entry into service.
2. The accumulated effects of modifications, alterations and repairs on the mass and balance shall be accounted for and properly documented. The aircraft shall be reweighed whenever the effect of modifications on the mass and balance is not accurately known.
3. The mass and centre of gravity schedule (weight schedule) of an aircraft shall be revised whenever the cumulative changes to the dry operating mass exceed ± 0.5 % of the maximum landing mass or for aeroplanes the cumulative change in CG position exceeds 0.5 % of the mean aerodynamic chord. This shall be done by weighing the aircraft or by calculation.
4. The weighing requirements specified in paragraph 7 of this direction shall apply to an aeroplane, registered in the State and not subject to Regulation (EC) No 216/2008, which;
 - (a) Has a maximum certificated take-off mass exceeding 5,700kg, or
 - (b) Is certificated for a maximum passenger seating configuration of more than nineteen, or
 - (c) Is certificated for operation with a minimum crew of at least two pilots, or
 - (d) Is equipped with one or more turbojet engines or more than one turboprop engine, or
 - (e) Is used in commercial operations.
5. The weighing requirements specified in paragraph 7 of this direction shall apply to a helicopter registered in the State and not subject to Regulation (EC) No 216/2008, which;
 - (a) Has a maximum certificated take-off mass exceeding 3,175kg, or
 - (b) Is certificated for a maximum passenger seating configuration of more than nine or
 - (c) Is certificated for operation with a minimum crew of at least 2 pilots; or
 - (d) Is used in commercial operations.
6. The weighing requirements specified in paragraph 7 of this direction shall apply to a tilt rotor aircraft registered in the State and not subject to Regulation (EC) No 216/2008.
7. An aircraft meeting a condition in paragraphs 4, 5 and 6 of this direction shall re-establish the mass and CG by actual weighing:
 - (a) at least every 4 years; or
 - (b) for an aeroplane that is part of an approved fleet mass system consisting of a group of aeroplanes of the same model and configuration, at least once every 9 years.

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8. An aircraft, with a Certificate of Airworthiness issued in accordance with the Irish Aviation Authority (Airworthiness of Aircraft) Order 1996, (S.I. No. 324 of 1996), as amended and not meeting a condition in paragraphs 4, 5 and 6 of this direction shall re-establish the mass and CG by weighing every 10 years.
 9. An aircraft, with a Flight Permit issued in accordance with the Irish Aviation Authority (Airworthiness of Aircraft) Order 1996, (S.I. No. 324 of 1996), as amended and not meeting a condition in paragraphs 4, 5 and 6 of this direction shall re-establish the mass and CG by weighing at least every 5 years or as agreed by the Authority.
 10. The weighing shall be accomplished by the manufacturer of the aircraft or by a maintenance organisation approved in accordance with Irish Aviation Authority (Personnel Licensing) Order, 2000 (S.I. No. 333 of 2000), EASA Part-M or Part-145 or by an organisation approved by the Authority for the purpose of aircraft weighing.
 11. The Authority may approve an alternative weighing period for a particular type of aircraft or operation if requested.

Chief Executive
Irish Aviation Authority