

# Aircraft Weighing

**AMP Reference:** IAL/777/T Revision 00 Initial

## Aircraft Weighing Requirements

Aircraft Weighing requirements are defined in Irish Aviation Authority Aeronautical Notice No. A.107 Issue 03 Date 01.11.19.

Where not subject to Regulation (EU) No 2018/1139, 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  $\pm 0.5\%$  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. 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.
5. The weighing shall be accomplished by the manufacturer of the aircraft or by a maintenance organisation or person 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.