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## Chapter 9—Performance

### Division 1—Take-off performance requirements: jet-driven aeroplanes and certain propeller-driven aeroplanes

#### 9.01 Scope of Division 1, Chapter 9

This Division:

- (a) is made for subregulation 121.395(1) of CASR; and
- (b) prescribes requirements relating to take-off performance for a flight of an aeroplane mentioned in section 9.01A.

Note 1: Regulation 121.390 of CASR requires a calculation that relates to an aeroplane's performance to be made using performance data set out in the aircraft flight manual instructions for the aeroplane or approved by CASA. See the CASR Dictionary for the definition of *aircraft flight manual instructions*.

Note 2: Regulation 91.055 of CASR makes it an offence if an aircraft is operated in a manner that creates a hazard to another aircraft, a person or property.

#### 9.01A Application of this Division

This Division applies to an aeroplane that:

- (a) is a jet-driven aeroplane; or
- (b) is a propeller-driven aeroplane with a maximum take-off weight of more than 5 700 kg.

#### 9.02 Maximum permitted take-off weight

An aeroplane operator and the pilot in command of an aeroplane for a flight must each ensure that, at take-off, the weight of the aeroplane does not exceed each of the following:

- (a) a weight that would enable the aeroplane to meet the requirements mentioned in sections 9.03, 9.04, 9.05, 9.06, 9.07 and 9.08;
- (b) a weight that, taking account of the expected consumption of fuel and oil for the flight, will ensure a landing weight that does not exceed the maximum landing weight;
- (c) a weight that will ensure a landing weight that complies with Division 2 of this Chapter.

Note: The weight at take-off for an aeroplane is also limited by the *maximum take-off weight* for the aeroplane, which, for a type-certificated aeroplane, means the maximum take-off weight for the aeroplane permitted by its flight manual. It is an offence under regulations 91.055 and 121.095 of CASR if an aeroplane is not operated in accordance with the aeroplane's flight manual.