



WELLINGTON NEW ZEALAND

PURSUANT to Section 28 of the Civil Aviation Act 1990

I, MAURICE WILLIAMSON, Minister of Transport,

HEREBY MAKE the following ordinary rules.

SIGNED AT Wellington

This *15* day of *September* 1999
by **MAURICE WILLIAMSON**

Minister of Transport

A handwritten signature in black ink, appearing to read 'M. Williamson', written over a horizontal line.

Civil Aviation Rules

Part 1 – Amendment 15

Definitions and Abbreviations

Docket 99/CAR/1327

Civil Aviation Rules

Part 1

Definitions and Abbreviations

RULE OBJECTIVE, EXTENT OF CONSULTATION AND COMMENCEMENT

The objective of amendment 15 to Part 1 is to bring into force changes that result from amendment 1 to Part 125 and consequential amendments to Part 119 and Part 135. Consultation regarding the amendment to Part 1 was conducted as part of the consultation process for the *SEIFR Passenger Operation* amendment to Part 125.

This amendment defines *SEIFR passenger operation* as an air transport operation carrying passengers in a single-engine aeroplane under IFR. The definitions of *empty weight*, *justifiable aircraft equipment*, *maximum zero fuel weight*, and *payload capacity* have been added to simplify the subsequent references to these terms in all the flight operations and certification rules.

Part 1, Amendment 15 comes into force 28 days after notification in the *Gazette*.

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Part 1 Amendments

1.1 General definitions

*This rule is amended by adding the following definition after the definition of **Emergency parachute**:*

“Empty weight means the weight of the airframe, engines, propellers, rotors, and fixed equipment. Empty weight excludes the weight of the crew and payload, but includes the weight of all fixed ballast, unusable fuel supply, undrainable oil, total quantity of engine coolant, and total quantity of hydraulic fluid:”

*This rule is amended by adding the following definition after the definition of **International NOTAM office**:*

“Justifiable aircraft equipment means any equipment necessary for the operation of the aircraft. It does not include equipment or ballast specifically installed, permanently or otherwise, for the purpose of altering the empty weight of an aircraft to meet the maximum payload capacity:”

*This rule is amended by adding the following definition after the definition of **Maximum certificated take-off weight**:*

“Maximum zero fuel weight means the maximum permissible weight of an aircraft with no disposable fuel or oil. The zero fuel weight figure may be found in either the aircraft type certificate data sheet, the approved Aircraft Flight Manual, or both:”

*This rule is amended by adding the following definition after the definition of **Passenger**:*

“Payload capacity means—

- (1) when a maximum zero fuel weight is not prescribed, the maximum certificated takeoff weight of an aircraft, less the empty weight, less all justifiable aircraft equipment, and less the operating load consisting of—

- (i) the minimum weight of fuel required under the CAR for a flight between domestic points 174 nm apart, assuming VFR weather conditions; and
 - (ii) the lesser of the maximum oil capacity as specified on the Type Certificate Data Sheet or 160 kg of oil; and
 - (iii) required flight crew members at 91 kg per crew member; and
 - (iv) required catering supplies; or
- (2) when a maximum zero fuel weight is prescribed, the maximum zero fuel weight less the empty weight that, except for disposable fuel and oil, consists of—
- (i) all justifiable aircraft equipment, and the operating load; and
 - (ii) minimum flight crew at 91 kg per crew member; and
 - (iii) required catering supplies.”

This rule is amended by adding the following definition after the definition of Security designated aerodrome:

“**SEIFR passenger operation** means an air transport operation carrying passengers in a single-engine aeroplane under IFR.”

1.3 Abbreviations

This rule is amended by inserting the following abbreviation after the abbreviation IFR:

“**IFSD** means in-flight shut down:”

This rule is amended by inserting the following abbreviation after the abbreviation RVSM:

“**SEIFR** means single-engine IFR:”

CONSULTATION DETAILS

(This statement does not form part of the rules contained in Part 1.
It provides details of the consultation undertaken in making the rules.)

The consultation details relating to the amendment 15 to Part 1 are contained with the associated amendment 1 to Part 125. The comments and all the background material used in developing the rules are held on the docket and are available for public scrutiny. Persons wishing to view the docket should call at Aviation House, 1 Market Grove, Lower Hutt and ask for docket 98/CAR/1327.