

Requirements for Review of airworthiness & Maintenance review

Review of airworthiness	Maintenance review
Applicable to Part 43, 91, 104, 115, 135	Applicable to Part 91, 121, 125, 135
All aircraft except Airline AOC holders under Part 119 (121, 125, 135) including: <ul style="list-style-type: none"> - Part 103 Microlight - Part 104 Glider - Part 115 Special category aircraft & parachute-drop aircraft - Part 135 GA AOC holder 	Airline AOC holders <ul style="list-style-type: none"> - Part 121, - Part 125, - Part 135
Review of airworthiness is performed by person who holds IA.	Maintenance review is performed by Part 145.
Period of review of airworthiness is every 12 months (annual) or 24 months (biennial) for an aircraft that is not operated for hire or reward.	Period of maintenance review is every 12 months.
Certifies in the MLB: “I certify that an (annual)*(biennial)* review of airworthiness has been carried out on this aircraft and that the requirements of CAR 43.153(a) have been complied with”	Certifies in the MLB: “The maintenance review for this aeroplane and such of its equipment as is necessary for its continued airworthiness has been carried out in accordance with the requirements of Civil Aviation Rule 121.415.”
Forms to be used: <ul style="list-style-type: none"> - 24066/06 Review of Airworthiness – Aeroplane Check List Report - 24066/07 Review of Airworthiness – Helicopter Check List Report 	Forms to be used: <ul style="list-style-type: none"> - 24121/15MR Part 121 Maintenance Review - 24125/15MR Part 125 Maintenance Review - 24135/15MR Part 135 Maintenance Review
Subpart D - Review of Airworthiness 43.151. Persons to perform review of airworthiness <p>(a) Except as provided in paragraph (b), a person must not perform a review of airworthiness for an aircraft unless the person holds an inspection authorisation (IA) issued under Part 66.</p> <p>(b) A person may perform a review of airworthiness on a glider if-</p> <ul style="list-style-type: none"> (1) the person is authorised to perform a review of airworthiness on a glider by a gliding organisation; and (2) the person has satisfactorily completed a course of instruction, including an examination, that is acceptable to the Director, on the inspection of aircraft and components for conformity with the CAR. 	121.415 / 125.415 Maintenance review <p>(a) A holder of an air operator certificate must ensure that-</p> <ul style="list-style-type: none"> (1) an aeroplane is not operated under the authority of the certificate unless a maintenance review for the aeroplane has been carried out within the previous 12 months; and (2) each maintenance review that is carried out is certified in accordance with paragraph (d).

43.153. Requirements of review of airworthiness

(a) Except as provided in paragraph (b), a person performing a review of airworthiness, required under rule 91.615, for an aircraft must, within the 30 day period immediately before certifying that the review has been completed-

- (1) check that the aircraft conforms to its type certificate data sheet or equivalent type data that is acceptable to the Director; and
- (2) check that every instrument and item of equipment required under Subpart F of Part 91 is fitted; and
- (3) for an aircraft that is required under rule 91.509(b) to be fitted with a time-in-service recorder-
 - (i) record the time-in-service recorder reading in the appropriate maintenance logbook; and
 - (ii) compare the aircraft's total time-in-service recorded in the technical log with the time-in-service recorder reading; and
 - (iii) ensure that any discrepancy in the aircraft's total time-in-service that is identified under paragraph (a)(3)(ii) is included in the reports required under rule 43.155(a)(4); and
- (4) check that since the last review of airworthiness, or inspection for the issue of an airworthiness certificate-
 - (i) every modification and repair has been correctly recorded and certified for release-to-service referencing the applicable technical data listed in Appendix D to Part 21; and
 - (ii) all due maintenance specified in the applicable maintenance program has been correctly recorded and certified for release-to-service; and
 - (iii) every AD relevant to the aircraft type and its installed components has been assessed and certified as being 'embodied', 'found embodied', or 'not applicable', and if an AD is repetitive, check that it is recorded in the repetitive section of the appropriate maintenance logbook; and
 - (iv) every defect recorded in the technical log has been rectified and the aircraft released to service or the defective instruments and equipment are recorded in the technical log, and placarded as inoperative if they are permitted to be inoperative under rule 91.537; and
 - (v) every applicable release-to-service has been completed and certified in accordance with Subpart C; and

(b) Except as provided in paragraph (c), the holder of an air operator certificate must ensure that a maintenance review for an aeroplane is not certified as having been carried out unless, since the last maintenance review-

- (1) due maintenance specified in the applicable maintenance program for the aeroplane has been completed within the time period specified; and
- (2) every applicable airworthiness directive has been complied with in accordance with the requirements prescribed in Part 39; and
- (3) every defect entered in the technical log has been rectified or properly deferred in accordance with the procedures in the certificate holder's exposition; and
- (4) every applicable certification for release-to-service has been made in accordance with Subpart C of Part 43.

(c) The holder of an air operator certificate may certify a maintenance review for an aeroplane on the basis of continuing compliance with a maintenance program acceptable to the Director if-

- (1) the maintenance program samples every requirement of paragraph (b) during the maintenance review period; and
- (2) the maintenance review is individually certified for each of the certificate holder's aeroplanes.

(d) The holder of an air operator certificate must ensure that the person who carries out a maintenance review for an aeroplane-

- (1) is authorised by the certificate holder and has experience, that is at least equivalent to the experience required for the grant of an appropriate AMEL rating, for the type of aeroplane; and
- (2) carries out the maintenance review in accordance with the applicable paragraph (b) or (c); and
- (3) certifies that the maintenance review has been carried out by entering the following statement in the appropriate maintenance logbook with the person's signature, authorisation number, and the date of entry:
 "The maintenance review for this aeroplane and such of its equipment as is necessary for its continued airworthiness has been carried out in accordance with the requirements of Civil Aviation Rule 121.415."

(vi) the recorded weight and balance data reflects any changes to the aircraft's weight and balance and that the recorded weight and balance data is within the published weight and balance limitations for the aircraft; and

(vii) the flight manual, including every applicable supplement is the current version for the aircraft in its existing state; and

(5) check that the overhaul and finite life of each lified component is recorded and is within the limits laid down in the applicable manufacturer's document and, if practicable, verify serial numbers by physical inspection; and

(6) perform a general condition inspection of the aircraft.

(b) The requirements in paragraphs (a)(1) and (a)(4)(i) do not apply to an aircraft that has a special category airworthiness certificate issued under Subpart H of Part 21.

(c) The person performing the review of airworthiness must record any new defects identified during the review in the technical log and in the appropriate maintenance logbook.

43.155. Certifying review of airworthiness

(a) Subject to paragraph (b), a person who performs a review of airworthiness for an aircraft must, on completion of the review-

(1) certify that the review has been completed by entering the following statement in the appropriate maintenance logbook:

"I certify that an (annual)*(biennial)* review of airworthiness has been carried out on this aircraft and that the requirements of CAR 43.153(a) have been complied with"; and

(2) adjacent to that statement, enter-

(i) the person's name; and

(ii) the person's signature except if the maintenance logbook is in electronic format; and

(iii) the person's IA number; and

(iv) the date that the review was completed; and

(3) as specified in paragraph (c), enter the due date for the next review of airworthiness in the technical log; and

(4) forward a report of the review to the Director in a form acceptable to the Director- ...

135.415. Maintenance review

(a) A holder of an air operator certificate who, under rule 135.402(a), has identified in the appropriate maintenance program that an aircraft is to be subject to a maintenance review must ensure that-

(1) the aircraft is not operated under the authority of the certificate unless a maintenance review of the aircraft has been carried within the previous 12 months; and

(2) each maintenance review that is carried out is certified in accordance with paragraph (d).

(b) Except as provided in paragraph (c), the holder of an air operator certificate must ensure that a maintenance review for an aircraft is not certified as having been carried out unless-

(1) the aircraft conforms to its type certificate data sheet or equivalent type data that is acceptable to the Director; and

(2) for an aircraft that is required by rule 91.509(b) to be fitted with a time-in-service recorder,-... ; and

(3) since the last maintenance review-

(i) every modification and repair has been correctly recorded and conforms to the applicable technical data listed in Appendix D of Part 21; and

(ii) due maintenance specified in the applicable maintenance program for the aircraft has been completed within the time period specified; and

(iii) every applicable airworthiness directive has been complied with in accordance with the requirements prescribed in Part 39; and

(iv) every defect entered in the technical log has been rectified or properly deferred in accordance with the procedures in the certificate holder's exposition; and

(v) every applicable certification for release-to-service has been made in accordance with Subpart C of Part 43.

(c) A holder of an airline air operator certificate may certify a maintenance review for an aircraft on the basis of continuing compliance with a maintenance program acceptable to the Director if-

(1) the maintenance program samples every requirement of paragraph (b) during the maintenance review period; and

(2) the maintenance review is individually certified for each of the certificate holder's aircraft that are subject to a maintenance review.

(b) Except for instruments and equipment that are permitted to be inoperative under rule 91.537, a person who performs a review of airworthiness for an aircraft must not certify the review as being complete unless every defect has been rectified and the aircraft certified for release-to-service under Subpart C.

(c) The next review of airworthiness must not be more than 1 year or 2 years, as specified in rule 91.615(a)(1) or rule 91.615(aa), after-

(1) the date that the review is certified under paragraph (a) or rule 91.615(aa); or

(2) the beginning of the extension period if the due date for the review has been extended under rule 91.615(c)(1).

(d) The holder of an air operator certificate must ensure that the person who carries out a maintenance review for an aircraft-

(1) is authorised by the certificate holder and has experience, that is at least equivalent to the experience required for the grant of an appropriate AMEL rating, for the type of aircraft; and

(2) carries out the maintenance review in accordance with the applicable paragraph (b) or (c); and

(3) certifies that the maintenance review has been carried out by entering the following statement in the appropriate maintenance logbook with the person's signature, authorisation number, and the date of entry:

"The maintenance review for this aircraft and such of its equipment as is necessary for its continued airworthiness has been carried out in accordance with the requirements of Civil Aviation Rule 135.415."

91.615. Review of airworthiness

(a) Except as provided in paragraphs (b) and (c), a person must not operate an aircraft unless-

(1) a review of airworthiness for the aircraft has been certified as completed under Subpart D of Part 43 within-

(i) the preceding 12 months; or

(ii) for an aircraft that is not operated for hire or reward, the preceding 24 months; or

(2) the aircraft has been issued with an airworthiness certificate under Part 21 within the preceding 12 months.

(aa) A review of airworthiness may be required more frequently than the period specified in paragraph (a)(1)(ii) in a particular case, if the Director determines that it is in the interests of aviation safety.

(b) Paragraph (a) does not apply to an aircraft that is operated under the following Parts:

(1) Part 121;

(2) Part 125;

(3) Part 135 if the aircraft is subject to a **maintenance review** under rule 135.415(a).

(c) A person may operate an aircraft after the date at which a review of airworthiness is required under paragraph (a) or paragraph (aa)-

(1) for a period of not more than 36 days to allow for maintenance planning purposes if a new extended date, within the 36 day period, for the review of airworthiness is recorded in the technical log; or

(2) if the sole purpose of operating the aircraft is to enable the review of airworthiness to be completed.

135.402. Option for maintenance

(a) A holder of an airline AOC must ensure that each aircraft that is operated under the authority of the certificate is subject to a maintenance review in accordance with rule 135.415.

(b) A holder of a GA AOC must ensure that each aircraft that is operated under the authority of the certificate is subject to an annual review of airworthiness in accordance with rule 91.615.

(c) A holder of an air operator certificate must ensure that the maintenance on an aircraft that is subject to a maintenance review, as identified under paragraph (a)(2), is performed by-

(1) a maintenance organisation certificated under Part 145; or

(2) for maintenance that is performed in another State that is party to a technical arrangement, a maintenance organisation that is certificated or appropriately authorised by the State to perform maintenance on the aircraft type in accordance with the conditions specified in the technical arrangement.

(d) A holder of an air operator certificate must ensure that the maintenance on a helicopter that has a MCTOW of more than 5700 kg or a certificated passenger seating capacity of 10 seats or more that is operated under the authority of the certificate is performed by-

(1) a maintenance organisation certificated under Part 145; or

(2) for maintenance that is performed in another State that is party to a technical arrangement, a maintenance organisation that is certificated or appropriately authorised by the State to perform maintenance on the aircraft type in accordance with the conditions specified in the technical arrangement.