



PROTOCOL

(OPS.06) Extended diversion time operations

February 2024



Acknowledgement of Country

The Civil Aviation Safety Authority (CASA) respectfully acknowledges the Traditional Custodians of the lands on which our offices are located and their continuing connection to land, water and community, and pays respect to Elders past, present and emerging.

Inside front cover artwork: James Baban.

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1. Purpose

This protocol is for the assessment of an application to conduct extended diversion time operations (EDTO) under regulation 121.035. This protocol is for the assessment of an initial EDTO application and a variation to an existing EDTO approval – which is a significant change under regulation 119.020.

The approval will allow the operator and pilot in command (PIC) to fly beyond the threshold distance up to the approved maximum diversion time.

2. Concept and philosophy

Regulation 121.035 requires that the operator and PIC must not fly an aeroplane further than the threshold distance to an adequate aerodrome unless approved under regulation 121.010.

Regulation 121.030 prescribes the threshold distance for various kinds of aeroplanes, which is calculated by considering the threshold time at the approved speed. The EDTO approval will determine the maximum diversion time, considering the specified time limiting systems in the aeroplane flight manual.

To perform EDTO, the aircraft engine combination (AEC) must be certified for use in EDTO during its type certification, and continue to maintain the required performance standards post type certification. In parallel, the operator must demonstrate their capability to operate and maintain the airworthiness requirements for each aeroplane type used for EDTO.

ICAO Doc 10085— Extended Diversion Time Operations (EDTO) Manual details the type certification requirements for EDTO. The assessment is conducted by the type certificate holder and the national aviation authority (NAA) responsible for issuing the type certificate.

The operations specifications section of the air operator's certificate (AOC) will detail the threshold time and maximum diversion time approved by CASA for the specific aeroplane type.

3. Process

All administration tasks should follow standard regulatory service administration procedures (as applicable), in addition to the following:

- a. For an initial issue AOC, operators will submit the Air Operator's Certificate / Associated Approvals form (CASA-04-5515) to CASA for an approval under regulation 119.065.
- b. For a significant change to an AOC, operators will submit Air Operator's Certificate / Associated Approvals form (CASA-04-5515) to CASA for an approval under regulation 119.090.
- c. EDTO operators must also submit Form 977 - Application for extended diversion time operations (EDTO) approval (CASA-04-0352) for an approval under regulation 121.010.
- d. Regservices will create a case in EAP to be assigned to a CASA inspector as either the project manager or the assessor, depending on the application.
- e. Regservices and the inspector should confirm that an EAP stop alert is not active.
- f. All associated CASA staff must be knowledgeable of, and competent with, Principle (OPS.06), which provides details for the assessment of an EDTO approval.
- g. The relevant sections (determined by scope) of Worksheet (OPS.06) must be completed by the CASA inspector and saved as a PDF document in RMS, including:
 - i. the assessment summary
 - ii. the approval data sheet.
- h. If the application is a significant change, the inspector must complete the relevant section on the approval data sheet and provide the revision details for the exposition.
- i. The approval data sheet will be used by regservices to update the operator's Operations Specification.

- j. The inspector must complete EAP in accordance with the EAP OAS Case Management - Regulatory Oversight Division (ROD) handbook (CASA-03-550).

4. List of supplements

Only the following supplements may be used in support of this protocol. The most recently approved versions will be found on the CASA intranet website. Approved forms are located on CASA's external website.

- [ICAO Doc 10085 – Extended Diversion Time Operations \(EDTO\) Manual](#)
- [Principle \(OPS.06\) Extended diversion time operations \(EDTO\)](#)
- [Worksheet A \(OPS.06\) Extended diversion time operations - FOI](#)
- [Worksheet B \(OPS.06\) Extended diversion time operations- AWI](#)

5. Scope

This protocol is for assessment and approval under regulation 121.010, for both EDTO.

This protocol does not cover the process for the certification and approval of aircraft types to be eligible for EDTO. The validity of the type certificate issuer approval for EDTO is inherent in the issue of a CASA Type Acceptance Certificate.

6. Competency requirements

To conduct the assessment, inspectors must have successfully completed the foundation training and advanced regulatory assessment training programs. Flight operations inspectors (FOIs) and airworthiness inspectors must also complete the Extended Diversion Time Operations (EDTO) course.

7. Associated legislation

Table 1. Legislation associated with this protocol

Document	Title
Part 42 of CASR	Continuing airworthiness requirements for aircraft and aeronautical products
Part 119 of CASR	Australian air transport operators—certification and management
Part 121 of CASR	Australian air transport operations—larger aeroplanes
Part 42 MOS	Part 42 Manual of Standards (as amended)
Part 121 MOS	Part 121 (Australian Air Transport Operations—Larger Aeroplanes) Manual of Standards 2020

8. Guidance references

Table 2. Guidance material relevant to this protocol

Document	Title
AC 1-01	Understanding the legislative framework
AC 1-02	Guide to the preparation of expositions and operations manuals
AC 11-04	Approvals under CASR Parts 91,103,119,121,129,131,132,133,135,138 and 149 (including MOS)
AC 91-22	Aircraft checklists
Part 119 AMC/GM	Acceptable means of compliance and guidance material - Australian air transport operators—certification and management
Part 121 AMC/GM	Australian air transport operations – larger aeroplanes

9. ICAO references

Table 3. ICAO references applicable to this protocol

Document	Title
Annex 2	Rules of the Air
Annex 6, Part I	International commercial air transport aeroplanes
Annex 8	Airworthiness of aircraft
Doc 10085	Extended Diversion Time Operations (EDTO) Manual

10. Revision history

Amendments/revisions of this protocol are recorded below in order of most recent first.

Table 4. Revision history table

Version No.	Date	Parts/Sections	Details
2.0	February 2024	All	Administrative review and amendment to all content to update template, add the new process and clarify regulatory requirements
1.2	March 2023	All	Administrative review only
1.1	December 2021	All	Update to align with new Ops Regs - CASR Part 121 regulatory references
1.0	January 2021	All	First issue