

**DEPARTMENT OF CIVIL AVIATION
MALAYSIA
AIRWORTHINESS NOTICE**

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Date: 1 October 2002

Emergency Locator Transmitter (ELT) for Aircraft above 5700kg MTWA

1. Introduction

This notice is to mandate the requirement of installing Emergency Locator Transmitters (ELT) on aircraft in accordance with the ICAO Annex 6, Standards and Recommended Practices (SARPS).

2. Applicability

All aeroplanes and helicopters with certificate of airworthiness of any category above 5700kg MTWA.

Note: From 1 January 2005, aircraft fitted with ELT in accordance with AN No. 26 shall comply with the requirement of this notice.

3. Emergency Locator Transmitter (ELT)

3.1. Requirement for aeroplanes.

- a. Except as provided for in paragraph 3.1.b, until 1 January 2005 all aeroplanes operated on extended or long range over water flights shall be equipped with at least two ELT(S).
- b. All aeroplanes for which the individual certificate of airworthiness is first issued after 1 January 2002, operated on long range over water flights, shall be equipped with at least two ELTs, one of which shall be automatic.
- c. From 1 January 2005, all aeroplanes operated on extended or long range over water flights, shall be equipped with at least two ELTs, one of which shall be automatic.
Note: Long range over water flights are flights on which the aeroplane may be over water and at more than a distance;
 1. corresponding to 120 minutes at cruising speed of 740 km (400 nm), whichever is the lesser, away from land suitable for making an emergency landing, for aircraft certificated with the capability of maintaining minimum altitude after one critical power unit failure
 2. corresponding to 30 minutes or 185 km (100 nm) for all other aircraft.
- d. Except as provided for in paragraph 3.1.e, until 1 January 2005 aeroplanes on flights over designated land areas, shall be equipped with at least one ELT(S).
- e. All aeroplanes for which the individual certificate of airworthiness is first issued after 1 January 2002, on flights over designated land areas, shall be equipped with at least one automatic ELT.
- f. From 1 January 2005, aeroplanes on flights over designated land areas shall be equipped with at least one automatic ELT.
- g. ELT equipment carried to satisfy the requirements of paragraph 3.1 shall operate in accordance with the requirements specified in paragraph 3.3.

3.2. Requirements for helicopters

- a. The ELT requirements affects helicopters;
 1. of Performance Class 1 and 2 operating on flights over water at a distance from land corresponding to more than 10 minutes at normal cruise speed and,
 2. of Performance Class 3 flying over water beyond auto-rotational or safe forced landing distance from land
- b. Except as provided for in paragraph 3.2.c, until 1 January 2005 all helicopters defined in paragraph 3.2.a. subparagraph 1 and 2, shall be equipped with at least one ELT(S) per raft carried but not more than a total of two ELTs are required.
- c. Helicopters defined in paragraph 3.2.a. subparagraph 1 and 2, for which the individual certificate of airworthiness is first issued after 1 January 2002, shall be equipped with at least one automatic ELT and at least one ELT(S) in a raft.
- d. From 1 January 2005, all helicopters defined in paragraph 3.2.a. subparagraph 1 and 2, shall be equipped with at least one automatic ELT and at least one ELT(S) in a raft.

- e. Except as provided for in paragraph 3.2.f, until 1 January 2005 helicopters on flights over land areas shall be equipped with at least one ELT.
- f. Helicopters for which the individual certificate of airworthiness is first issued after 1 January 2002, on flights over designated land areas, shall be equipped with at least one automatic ELT.
- g. From 1 January 2005, helicopters on flights over designated land areas, shall be equipped with at least one automatic ELT.
- h. ELT equipment carried to satisfy the requirements of paragraph 3.2, shall operate in accordance with the requirements specified in paragraph 3.3.

3.3. ELT requirements

- a. Until 1 January 2005, emergency locator transmitters all operate either on both 406 MHz and 121.5 MHz or on 121.5 MHz.
- b. From 1 January 2005, emergency locator transmitters shall operate on 406 MHz and 121.5 MHz simultaneously.
- c. All emergency locator transmitters installed on or after 1 January 2002 shall operate simultaneously on 406 MHz and 121.5 MHz.
- d. The equipment specifications for 406 MHz and 121.5 MHz ELTs shall be approved in accordance with TSO C126 and TSO C91a respectively, or their equivalent.

3.4. Compliance

Operators of applicable aircraft are required to comply with the requirements in paragraph 3.1, 3.2, and 3.3 above.

DIRECTOR GENERAL
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MALAYSIA