



Civil Aviation Safety Authority
of Papua New Guinea

Advisory Circular

AC91-30

EMERGENCY LOCATOR TRANSMITTER (ELT) REQUIREMENTS

Original
31 October 2024

GENERAL

Civil Aviation Safety Authority Advisory Circulars (AC) contain information about standards, practices and procedures that the Director has found to be an **Acceptable Means of Compliance (AMC)** with the associated rule.

An AMC is not intended to be the only means of compliance with a rule, and consideration will be given to other methods of compliance that may be presented to the Director. When new standards, practices or procedures are found to be acceptable, they will be added to the appropriate Advisory Circular.

This Advisory Circular also includes **Explanatory Material (EM)** where it has been shown that further explanation is required. Explanatory Material must not be regarded as an acceptable means of compliance.

PURPOSE

This Advisory Circular provides guidance on the maintenance requirements for emergency locator transmitters (ELT) required to be installed pursuant to rule 91.529 and provides explanatory material to assist in showing compliance.

RELATED CAR

This AC relates specifically to Civil Aviation Rule Part 91.529.

CHANGE NOTICE

This AC is the Original and there is no change notice.

APPROVAL

This AC has been approved for publication by the Director of Civil Aviation.

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1. EM 91.529 Introduction

This Advisory Circular provides guidance on the maintenance requirements for emergency locator transmitters (ELT) required to be installed pursuant to rule 91.529 and provides explanatory material to assist in showing compliance.

2. List of Acronyms

For the purposes of this AC, the following acronyms apply:

ADT -Autonomous Distress Tracking

ELT – Emergency Locator Transmitter [Either be fixed or portable]

ELT (DT) – Emergency Locator Transmitter (Distress Tracking)

ELT (S) -Emergency Locator Transmitter (Survival)

EPIRB – Emergency Position Indicating Radio Beacon

PLB – Personal Life Beacon

SAR - Search and Rescue Services

3. EM 91.529(a) 406 MHz ELT required to be installed on all PNG-registered aircraft

This rule is self-explanatory.

4. EM 91.529(b) Operating a PNG-registered aircraft without an ELT installed

This rule is self-explanatory.

5. EM 91.529(c) Operating a PNG-registered aircraft with an inoperative automatic (fixed) ELT

This rule is self-explanatory.

6. EM 91.529(d) Operating a PNG-registered aircraft with an inoperative automatic (fixed) ELT - 7 day restriction

This rule is self-explanatory.

7. EM 91.529(e) PNG-registered aircraft that do not need to operate with an automatic (fixed) ELT installed.

This rule is self-explanatory.

8. EM 91.529(f) ELT Coding and Registration Requirements for PNG-registered aircraft

This rule requirement for ELT, EPIRB and PLB coding is self-explanatory.

Aircraft Mode S Code

CASA PNG may issue a unique Mode S code for a PNG-registered aircraft on application by the air operator. An applicant may download application form number CA 91-06 for this purpose from the CASA website: <https://casapng.gov.pg/forms/> . The Mode S code is normally a six-digit Hexadecimal.

Three-Digit Country Code for PNG and online Beacon Decoder Tool

For ELT, EPIRB and PLB Registration the below guidance is provided.

The three-digit country code allocated by the International Beacon Registration database (IBRD) for coding all ELT, EPIRB and PLB beacons to PNG is **553**. The International Telecommunication Union (ITU) provides a list of countries associated with each three-digit country code. You may view this code for PNG on: <https://www.406registration.com/contact-list>

Once your Beacon is correctly coded and registered with the International Beacon Registration Database, you may be able to check and validate this using the beacon decoder tool. This tool tells you what information has been programmed into your beacon unique identifier or complete message. You can decode your beacon's 15 or 23 character Hex ID to obtain the country code using the beacon decoder tool: <https://www.406registration.com/decode>

PNG's 24/7 Nominated Point of Contact for 406MHz ELT Beacon Registration with the International Beacon Registration Database – PNG National Maritime Safety Authority

The PNG National Maritime Safety Authority (NMSA) is the nominated 24/7 point of contact for PNG for registration of all 406MHz ELT, EPIRB, and PLBs on the International Beacon Registration Database (IBRD). You may view this on: <https://www.406registration.com/contact-list> .

For registration of all aviation ELT, EPIRB or PLB, applicants must complete the NMSA ELT Registration form (see <https://www.nmsa.gov.pg/wp-content/uploads/2017/01/406-MHz-Registration-Form-.pdf>) for each automatic(fixed) ELT, portable ELT, EPIRB or PLB. Please email a copy of the completed registration form(s) to the following entities for records and SAR tracking purposes:

1. National Maritime Safety Authority – Email completed form to: pngmrcc@nmsa.gov.pg ;

2. Niusky Pacific Ltd – Email completed form to: enquiries@niuskypacific.com.pg
3. Civil Aviation Safety Authority of Papua New Guinea – Email completed form to: syangom@casapng.gov.pg

Important Note: Please do not use the form in Appendix 1 of PNG AIC 01/2004 dated 06 September or other similar forms. Only use the NMSA 406MHz ELT Registration form and email a copy to NSPL and CASA PNG, because NMSA is the nominated 24/7 point of contact registered with the IBRD for registering all ELTs, EPIRBs and PLBs that are coded with the PNG country code 553.

9. EM 91.529(g) ELT Requirements for Foreign-registered aircraft operating in PNG.

This rule is self-explanatory.

10. EM 91.529(h) ELT minimum requirements for PNG-registered aircraft with more than 19 passengers.

This rule is self-explanatory.

11. EM 91.529(i)-(k) ELT minimum requirements for PNG-registered aircraft with less than 19 passengers.

This rule is self-explanatory.