



Croatian Civil Aviation Agency

Emergency Locator Transmitters-ELTs!



Coding and registration of 121,5 MHz and 406 MHz ELTs
Guidance Material

Records of revisions

Reference	Revision no	Effective date
First issue	0	23.4.2012.
Revision	1	31.10.2014.

List of effective pages

Page no	Revision no	Effective date
1	1	31.10.2014.
2	1	31.10.2014.
3	1	31.10.2014.
4	1	31.10.2014.
5	1	31.10.2014.
6	1	31.10.2014.

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INTRODUCTION

The purpose of this Guidance material is to provide air carriers and aircraft operators with necessary guidance on possible ways of coding, and registration of ELTs when installed in aircraft carrying the Croatian registration sign.

According to ICAO Annex 10, Volume V, Chapter 2, Frequencies for emergency locator transmitters (ELTs) for search and rescue:

2.1.1 Until 1 January 2005 emergency locator transmitters carried in compliance with Standards of Annex 6, Parts I, II and III shall operate either on both 406 MHz and 121.5 MHz or on 121.5 MHz

2.1.2 All emergency locator transmitters installed on or after 1 January 2002 and carried in compliance with Standards of Annex 6, Parts I, II and III shall operate on both 406 MHz and 121.5 MHz

2.1.3 From 1 January 2005, emergency locator transmitters carried in compliance with Standards of Annex 6, Parts I, II and III shall operate on both 406 MHz and 121.5 MHz

APPLICABILITY

This Guidance Material is applicable to Croatian Air Operator Certificate and Aircraft Operator Certificate holders.

REGULATION REFERENCES

CAT.IDE.A.280 and CAT.IDE.H.280 of Annex IV Commercial air transport operations (PART-CAT) of COMMISSION REGULATION (EU) No 965/2012 of 5 October 2012 laying down technical requirements and administrative procedures related to air operations pursuant to Regulation (EC) No 216/2008 of the European Parliament and of the Council and its amendments

OPS.GEN.430 of Ordinance on requirements to conduct operations of an aircraft and organizational requirements to be met by operators of aircraft ("Official Gazette" „No: 10/14)

Ordinance on conditions for allocation and use of radio frequency spectrum, article 14.(3) and article 15.(3)(2)

("Official Gazette", No.: 45/12, 50/12 and 97/14)

ICAO Annex 6, Part I, 6.17

ICAO Annex 6, Part II, 2.4.12

ICAO Annex 6, Part III, Section II, 4.7

ICAO Annex 6, Part III, Section III, 4.8

ICAO Annex 10, Volume III, Part II, Chapter 5

ICAO Annex 12

Article 110 and Article 111. of Air Traffic Law, ("Official Gazette", No: 69/09, 84/11, 54/13, 127/13 and 92/14)

CODING

All messages emitted by 406 MHz ELT and 121,5 MHz must contain a unique identification of an ELT.

The complete ELT identification code consists of:

- Protocol flag
- Protocol code
- Country code
- Identification code

Air carriers and aircraft operators could use four options for coding which are acceptable to Agency:

- Unique ELT serial number
- Operator's designator and ELT's serial number
- 24-bit Mode S aircraft address assigned by Croatian Civil Aviation Agency
- Aircraft nationality and registration marks

Detailed information can be found in the COSPAS-SARSAT documents.

REGISTRATION

All Emergency Locator Transmitters (ELT) installed in aircraft and transmitting on 121.5 MHz and 406 MHz frequency must be registered by the Croatian Civil Aviation Agency which will forward information to National Protection and Rescue Directorate-Maritime Rescue Coordination Centre (MRCC). Registration should be made using the form FOD-FRM-037 available on the Agency's website

Of particular importance is that the operator ensures the person who will be available 24 hours a day for telephone contact in case of an emergency. Any changes of data concerning the 121.5 MHz and 406 MHz Emergency Locator Transmitter (ELT) must immediately be notified to Croatian Civil Aviation Agency.

OTHER GUIDANCE MATERIALS AND LINKS

COSPAS-SARSAT, G.003-Introduction to the COSPAS-SARSAT System

COSPAS-SARSAT, G.005-Guidelines on 406 MHz Beacon Coding, Registration and Typ Approval

COSPAS-SARSAT, S.007-Handbook of Regulations on 406 MHz and 121,5 MHz Beaco

AIP-GEN 3.6 Search and Rescue

Croatian Civil Aviation Agency - <http://www.ccaa.hr>

COSPAS-SARSAT- <http://www.cospas-sarsat.org>

Croatia Control Ltd. - <http://www.crocontrol.hr>