

## **RUSSIA**

### **1. REGULATIONS**

- ELT: Emergency Locator Transmitter
- EPIRB: Emergency Position Indicating Radio-Beacon,
- [LADR](#): Location of an Aircraft in Distress Repository,
- [MMSI](#): Maritime Mobile Service Identity,
- PLB: Personal Locator Beacon,
- [RLS](#): Return Link Service,
- S/N: Serial Number of the device,
- [TAC](#) : Cospas-Sarsat Type-Approval Certificate number.

#### **1.1 General**

Nil.

#### **1.2 EPIRBs**

##### **1.2.1 Coding, Registration and Maintenance**

Document No. CTO MCC.02-2009 “Provision on Registration of Emergency Radio Beacons of the International Cospas-Sarsat System” was approved by the Federal Agency on Maritime and River Transport and the Federal Agency of Air Transport, came into force on 1 February 2009.

Document No. CTO MCC.02-2009 is applied to all kinds of 406 MHz Cospas-Sarsat radio beacons, i.e., EPIRBs, ELTs and PLBs.

CTO MCC.02-2009 establishes mandatory registration of 406 MHz Cospas-Sarsat radio beacons at the Russian national beacon registration database and defines, in particular, requirements on radio beacons registration and re-registration, procedures for registration, points of contact and other registration details.

Annex 1 to CTO MCC.02-2009 includes beacon registration forms.

Annex 2 to CTO MCC.02-2009 consists of instructions how to fill-in registration forms.

Annex 3 to CTO MCC.02-2009 includes samples of confirmation on registration of emergency radio beacon in the Russian national registration database.

Annex 4 to CTO MCC.02-2009 consists of countries list which have made a request to register their emergency radio beacons in Russian national registration database.

CTO MCC.02-2009 refers to the following Cospas-Sarsat System documents: C/S T.001, C/S T.007 and C/S G.005 for 406 MHz Cospas-Sarsat radio beacons coding.

Serial numbers for 406 MHz Cospas-Sarsat beacons are allocated to customers by the Federal State Unitary Enterprise “Morsviazspunik” upon requests to be forwarded to the Cospas Mission Centre (CMC) which is a department of “Morsviazspunik”.

It is mandatory for the Russian flag ships to keep onboard a confirmation of EPIRB registration issued by the CMC.

Installation of EPIRBs onboard ships flying the flag of the Russian Federation is regulated by the Russian Maritime Register of Shipping (RS) in their document “Rules for the Equipment of Sea-going Ships”.

Annual testing and shore-based maintenance is regulated by “Provision on Annual Testing and Shore-based Maintenance of Maritime Emergency Positioning Indicating Radio Beacons (EPIRBs) of the International Cospas-Sarsat System” (CTO 318.6.23-2006) which was approved by the Federal Agency on Maritime and River Transport, came into force on 10 April 2006.

### **1.2.2 EPIRB Type Approval**

406 MHz EPIRBs subject to installation on ships flying the flag of the Russian Federation, shall be of type approved by the Federal Agency of Maritime and River Transport (Rosmorrechflot) acting on behalf of the Maritime Administration of the Russian Federation, as well as by the Russian Maritime Register of Shipping (RS). Information on approved EPIRBs is available on the “Morsviazspunik” website [www.marsat.ru](http://www.marsat.ru) (<https://www.marsat.ru/certificates/560>) and RS website [www.rs-head.spb.ru](http://www.rs-head.spb.ru) (<https://lk.rs-class.org/regbook/industry>) accordingly.

Applications for EPIRB type approval are to be sent both to "Morsviazspunik" and RS.

## **1.3 ELTs**

### **1.3.1 Coding, Registration and Maintenance**

Installation of ELTs onboard aircraft flying the flag of the Russian Federation is regulated by Order of the Ministry of Transport of the Russian Federation of 15 March 2007 No. 29 “On Equipment of Civil Aviation Aircraft by Emergency Locating Transmitters of the Cospas-Sarsat System”.

Document No. CTO MCC.02-2009 “Provision on Registration of Emergency Radio Beacons of the International Cospas-Sarsat System” was approved by the Federal Agency on Maritime and River Transport and Federal Agency of Air Transport, came into force on 1 February 2009.

Document No. CTO MCC.02-2009 is applied to all kinds of 406 MHz Cospas-Sarsat radio beacons, i.e., EPIRBs, ELTs and PLBs.

CTO MCC.02-2009 establishes mandatory registration of 406 MHz Cospas-Sarsat radio beacons at the Russian national registration database and defines, in particular, requirements on radio beacons registration, procedures for registration, points of contact and other registration details (see also relevant information about CTO MCC.02-2009 in section RUS.1.1.1).

CTO MCC.02-2009 refers to the following Cospas-Sarsat System documents: C/S T.001, C/S T.007 and C/S G.005 for 406 MHz Cospas-Sarsat radio beacons coding.

Serial numbers for Cospas-Sarsat 406 MHz beacons are allocated to customers by the Federal State Unitary Enterprise “Morsviazspudnik” upon requests to be forwarded to the Cospas Mission Centre (CMC) which is a department of “Morsviazspudnik”.

It is mandatory for Russian flag aircraft to keep onboard a confirmation of ELT registration issued by the CMC.

### 1.3.2 ELT Type Approval

406 MHz ELTs subject to installation on aircraft, flying the flag of the Russian Federation, shall be of type approved by the Aviation Register of Interstate Aviation Committee.

## 1.4 PLBs

### 1.4.1 National Beacon Regulations for Serial-Coded PLBs

Administration	For Terrestrial Applications	In Maritime Environment	On Aircraft	Comments
	Country Recognises PLB Activations	Country Recognises PLB Activations	Country Recognises PLB Activations	
Russia	N	R	R	According to the national regulation the PLB could be installed on the vessel or aircraft. In these cases, PLB is coded accordingly as EPIRB with the maritime protocols or as ELT with the aviation protocols.

Similar information is available in the new table on the Cospas-Sarsat website ([www.cospas-sarsat.int](http://www.cospas-sarsat.int)) with the status indication in colors (Y = green, allows / N = red, not allowed / Restrictions = amber (see comments) and with the note that the national beacon regulations can be found on the Cospas-Sarsat website in document C/S S.007).

## 2. BEACONS CODING METHODS

Refer to the following Cospas-Sarsat System documents: C/S T.001, C/S T.007 and C/S G.005.

### 2.1 EPIRB Coding Methods

Country Code(s)	USER PROTOCOLS				LOCATION PROTOCOLS								
	Maritime User		Serial User	Radio Call Sign	User Location			Standard Location		National Location	RLS (Return Link Service)		
	MMSI	Radio Call Sign	TAC & S/N	Radio Call Sign	MMSI	TAC & S/N	Radio Call Sign	MMSI	TAC & S/N	Serial Number Assigned by Competent Administration	National RLS Number	TAC & S/N	RLS MMSI
273	Y	N	Y	N	Y	Y	N	Y	Y	N	N	Y	Y

**WARNING:**

Note for maritime protocols that use the Maritime Mobile Service Identity (MMSI) as the vessel identifier: As a result of recent developments, the International Cospas-Sarsat Programme has become aware of maritime Emergency Position-Indicating Radio Beacons (EPIRBs) being coded pursuant to Recommendation ITU-R M.585 using as the beacon “country code” the form “98M”, where “M” is the first digit of an MID (Maritime Identification Digits) assigned to an Administration, or using the form “974”. No 406-MHz EPIRB should be coded in these ways. A distress message from a beacon so coded will be processed on receipt by Cospas-Sarsat as “invalid” and either discarded or subjected to exception handling. The “country code” of all 406-MHz beacons must be a valid MID assigned by the International Telecommunication Union (ITU) to an Administration, in the numerical range from 200 to 780. No exceptions.

**2.2 ELT Coding Methods**

Country Code(s)	USER PROTOCOLS				LOCATION PROTOCOLS									
	Serial User			Aviation User	User Location				Standard Location			National Location	RLS (Return Link Service)	
	TAC & S/N	Aircraft Operator Designator and S/Nr	Aircraft 24-bit Address	Aircraft Nationality and Registration Marking	TAC & S/N	Aircraft Operator Designator and S/N	Aircraft 24-bit Address	Aircraft Nationality and Registration Marking	TAC & S/N	Aircraft Operator Designator and S/N	Aircraft 24-bit Address	S/N Assigned by Competent Administration	National RLS Number	TAC & S/N
273	Y	N	Y	Y	Y	N	Y	Y	Y	N	Y	N	N	Y

Country Code(s)	LOCATION PROTOCOLS		
	ELT(DT) Location		
	TAC & Serial Number <sup>1</sup>	Aircraft Operator Designator and Serial Number <sup>1</sup>	Aircraft 24-bit Address <sup>2</sup>
273	N	N	Y

Notes: (1) This protocol does not provide an ‘Aircraft Identification’ as required by ICAO for populating the LADR.

(2) This protocol provides an ‘Aircraft Identification’, and an ‘Aircraft Operator Identity’ only when the Aircraft Operator Designator (3LD) is included in the rotating PDF-2 field, as required by ICAO for populating the LADR.

**2.3 PLB Coding Methods**

Country Code(s)	USER PROTOCOLS	LOCATION PROTOCOLS					
	Serial User	User Location	Standard Location	National Location	RLS (Return Link Service)		
	TAC & S/N	TAC & S/N		S/N Assigned by Competent Administration	National RLS Number	TAC & S/N	RLS MMSI
273	N*	N*	N*	N	N	N*	N*

\* For PLB usage installed on board of vessels or aircrafts, refer to the table in section 1.4.1 “National Beacon Regulations for Serial-Coded PLBs”.

## **2.4 Return Link Service (RLS) Protocols**

More information on RLS-enable beacons is available at <https://cospas-sarsat.int/en/beacon-ownership/rls-enabled-beacon-purchase>.

## **3. LIST OF BEACON MODELS TYPE APPROVED BY ADMINISTRATION**

Please contact the Administration.

## **4. BEACON TESTING REGULATION**

Not available.

## **5. POINT OF CONTACT FOR BEACON MATTERS (CODING, REGISTRATION AND TYPE APPROVAL)**

The points of contact for beacon matters are:

- Type approval and issue of serial numbers: Morsviazsputnik,
- Registration: Cospas Mission Centre (CMC).

Updated point of contact details for administrations are available at: <a href="https://www.cospas-sarsat.int/en/contacts-pro/contacts-details-all">https://www.cospas-sarsat.int/en/contacts-pro/contacts-details-all</a> .
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## **6. BEACON REGISTRATION**

### **6.1 Regulation**

Registration of 406 MHz EPIRBs, ELTs and PLBs is mandatory at the national database.

The CMC provides registration of all 406 MHz Cospas-Sarsat beacons and maintains the database.

Registration forms and rules of registration (document No. CTO MCC.02-2009) are available at the « Morsviazsputnik » website [www.marsat.ru/activities/cospascospas-registration/](http://www.marsat.ru/activities/cospascospas-registration/).

### **6.2 Forms**

Online beacon registration forms (EPIRBs, ELTs, PLBs) are available at:  
<http://www.marsat.ru/activities/cospas/cospas-registration/>.

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