



# PROGRAMMING DATA SHEET



## Purpose

Installation
  Removal
  Re-coding
  New owner

## Aircraft

Type of aircraft (use ICAO abbreviation) .....  
 MSN (if forwardfit) .....  
 Homebase (airport) .....

## Aircraft identification

Country of registration of the aircraft .....  
 Aircraft registration marking (Tail Number) .....  
 Repeated in International Alphabet  
 (ex: FOX BRAVO ROMEO ZOULOU ECHO) .....  
 Aircraft 24 bit address (hexadecimal format)
 

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## Aircraft operator

Airline / Name (if private) .....  
 Three letter airline designator (AOD) .....  
 Address .....  
 Country .....  
 Phone (with country code) ..... +  
 Fax (with country code) ..... +

## H24 contact

Contact name .....  
 Phone (with country code) ..... +  
 Fax (with country code) ..... +

## Aircraft configuration

Type of ELT ..... KANNAD .... ..  
 Rank of ELT (1=fixed, 2 = survival, etc..) .....  
 Installation with programming dongle
  Yes
  No

Date :

Signature :

*Part to be completed by authorized programmer or by the operator if "New Owner"*

## ELT or DONGLE information

CSN (ex: 322742) .....  
 S/N (ex: L0782-0027) .....

## Coding information

COSPAS-SARSAT Country Code (MID) .....  
 Protocol
  T/N (tail number)
  S/N (serialized number)
  ICAO (24 bit address)
  AOD (Op. Designator)

Identification number .....  
 Identification (15 HEX ID)
 

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## Programmer details

Name of distributor / dealer / airline .....

Date

Signature (the programmer) :

# INSTRUCTIONS

## Purpose

Installation : for ELT or DONGLE installation on board A/C.

Removal : for ELT or DONGLE removal from A/C. In this case, complete S/N and CSN in paragraph "ELT or DONGLE information"  
ELT Replacement : Unless the A/C is equipped with a "programming dongle", complete two "Programming Data Sheet" forms to replace an ELT on board an A/C (one for the removed ELT, the second for the installed ELT).

Re-coding : in case of change of country of registration (and in some case, if PCB is replaced), the coding shall be updated.

New-owner : In case of change of ownership (without change of registration number), the ELT registration should be updated.

## Aircraft

Complete "Type of Aircraft" by using ICAO abbreviation.

The "Mainframe Serial Number" must be completed if ELT is delivered to an Aircraft Manufacturer for installation on board a new aircraft.

## Aircraft identification

This information is mandatory. It is either programmed into the ELT or, for serialised protocol, registered with both Sarsat Point of Contact (SPOC) and MARTEC SERPE-IESM depending on the coding protocol accepted by the SPOC.

The 24 bit address is available from the Civil Aviation Authority and must be converted in Hexadecimal format.

Ex: "1101 1111 0010 1100 0011 0001" becomes "DF2C31"

## Aircraft operator

To be completed...

## H24 contact

One phone number must be given as a minimum requirement.

## Aircraft configuration

Complete the exact type of ELT to be installed. Ex: KANNAD 406 ATP or KANNAD 406 AS ...

The rank of the ELT must be specified if other ELTs are installed on board.

In this case, rank 1 usually designates the automatic ELT, rank 2 the first survival ELT, rank 3 the second survival ELT, etc...

The ELT installation option must be specified by the aircraft operator (with or without programming dongle).

## Signature

Date and signature of the aircraft operator (initials as signature if electronic format)..

**This form must be returned to your distributor duly completed with required data  
necessary to program your ELT or Dongle**

**This procedure does not exempt you (the operator) from registering  
the ELT with the local COSPAS-SARSAT authority (SPOC).**

The following instructions are for the distributor / dealer / airline that will program the ELT:

## ELT or DONGLE information

This information is available on the equipment name plate.

If option "Yes" in "Aircraft Configuration" is checked, supply dongle data.

If option "No" in "Aircraft Configuration" is checked, supply ELT data.

## Coding information

This information is added when programming the ELT or DONGLE.

Important remark: According to C/S G005, it is the programmer's responsibility to determine the protocol accepted in the country of registration of the aircraft.

Examples of Identification numbers (depending on the identification protocol) : FBXRV/1, CFEYS/1, 3A7C21, AFR 0783, 322742

The Identification (15 HEX ID) is computed by the PR550 software. It is a "key information" within the COSPAS-SARSAT system.

This number is required to complete the local "Registration Form" (when applicable).

## Programmer

Name of the organization that has performed the ELT or DONGLE programming

## Signature

Date and signature of the programmer (initials as signature if electronic format).

Forward this form completed with coding information and sent to MARTEC-SERPE-IESM either :

- By fax to +33 2 97 65 02 19
- By post to MARTEC SERPE-IESM – Zone Industrielle des Cinq Chemins – 56520 GUIDEL – France
- By e-mail to eltdatabase@martec.fr with ".doc" file attached.

## R22 & R44 406 MHz ELT Programming Data Sheet Additional Information

Programming Data Sheet must be completed and returned to RHC as soon as possible when ordering the optional A837-1 or C837-1 KANNAD 406 AF installations, or the MT837-1 Reprogramming Kit.

Line Item	Completion	Details
<b>Purpose</b>		
Installation...	Note 1	Mark "New Installation" for A837-1 or C837-1, or "Recoding" for MT837-1.
<b>Aircraft</b>		
Type of aircraft	Note 1	Either "R22" or "R44".
MSN	Note 1	Aircraft serial number.
Homebase	Mandatory	This is the airport where the aircraft will usually be located.
<b>Aircraft identification</b>		
Country of registration	Mandatory	Self explanatory
Aircraft Tail Number	Mandatory	Also known as the Aircraft Registration Number and issued by the local civil aviation authority.
Repeated in International Alphabet	Mandatory	Self explanatory
Aircraft 24 bit address	Note 2	This is also known as the "ICAO Aircraft Address" or "Hex Code". Usually it will be issued by the same organization that issues the tail number.
<b>Aircraft operator</b>		
Airline / Name	Mandatory	The name of the aircraft owner or operator (can be a company).
Three letter airline designator	N/A	Only for airlines.
Address	Mandatory	Self explanatory
Country	Mandatory	Self explanatory
Phone	Mandatory	This should be formatted for international use, i.e. include country code prefix.
Fax	Optional	As above.
<b>H24 contact</b>		
Contact name	Mandatory	The contact should either be the owner or operator if these are individuals, or an appropriately responsible person in an organization.
Phone	Mandatory	This should be formatted for international use, i.e. including country code. More than one number may be given.
Fax	Optional	As above.
<b>Aircraft configuration</b>		
Type of ELT	Note 1	Always KANNAD 406 AF
Rank of ELT	Note 1	Always 1. This is only relevant to large aircraft that may have more than one fixed ELT.
Installation with programming dongle	Note 1	Always NO.

Notes: 1. Completed by RHC for new installations. Provide aircraft serial number if ordering a retrofit kit or reprogramming by dongle.

2. The table on Page 2 identifies those countries where it is necessary to obtain this information.

### Country Specific Requirements for Aircraft 24-Bit Address

Country	24-bit Address Required	Country	24-bit Address Required
Antigua and Barbuda	Note 4	Latvia	Note 4
Argentina	Note 4	Liberia	Note 4
Australia	Note 3	Libya	Note 4
Austria	Note 3	Lithuania	Note 4
Bangladesh	Note 4	Malaysia	Note 4
Belgium	Note 3	Malta	Note 4
Bermuda	No	Marshall Islands	Note 4
Bhutan	Note 4	Mauritius	Note 4
Brazil	No	Mexico	Note 4
Brunei	Note 4	Mozambique	Note 4
Bulgaria	Note 4	Namibia	Note 4
Cameroon	Yes	Netherlands (The)	Yes
Canada	Yes	New Zealand	Note 3
Chile	No	Norway	Yes
China (P.R.of)	Note 4	Pakistan	Note 4
Colombia	Note 4	Paraguay	Note 4
Croatia	Note 4	Peru	Note 4
Cyprus	Note 4	Philippines	Note 3
Denmark	Note 3	Poland	No
Ecuador	Note 4	Portugal	Note 3
Egypt	Note 3	Qatar	Note 4
Estonia	Note 4	Romania	Note 3
Fiji	Note 4	Russia	Note 3
Finland	Note 4	Seychelles	Note 4
France	No	Singapore	Note 4
Georgia	Note 3	South Africa	Note 3
Germany	Note 3	Spain	Note 3
Greece	No	Sweden	No
Hong Kong	No	Switzerland	Note 3
Hungary	Note 4	Thailand	Note 4
Iceland	No	Tunisia	Note 4
India	Note 3	Turkey	Note 3
Indonesia	No	Ukraine	Note 4
Iran	Note 4	United Arab Emirates	Note 4
Ireland	No	United Kingdom	No
Israel	Note 4	USA	Note 3
Italy	Note 3	Vanuatu	Note 4
Japan	Note 3	Yemen	Note 4
Jordan	Note 4	Yugoslavia, Serbia & Montenegro	Note 4
Kenya	Note 4		
Korea (Republic of)	No		

Notes: 3. A 24-Bit Aircraft Address is preferred, but not mandatory.

4. Requirement is unknown. Contact local Civil Aviation Authority (authority responsible for issuing tail numbers) to determine if they can issue Aircraft 24-Bit Address.

Revision: April 3, 2007  
SRT