



To be sent to Airworthiness Department at e-mail: dca.tins@aruba.gov.aw

ELT information																	
1. ELT information			2. Enter the 15 digit Unique Identifier Number:														
Fixed ELT Manufacturer:			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Model:		S/N:															
Survival ELT #1 Mfr.:			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Model:		S/N:															
Survival ELT #2 Mfr.:			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Model:		S/N:															
Survival ELT #3 Mfr.:			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Model:		S/N:															
Aircraft Information																	
3. Registration Mark: P4-			4. ICAO 24 bid mode S code (in Hexadecimal)														
5. Aircraft Manufacturer:					6. Model:												
7. Color:					8. Seating Capacity:												
9. Usage: <input type="checkbox"/> General <input type="checkbox"/> Aviation <input type="checkbox"/> VIP <input type="checkbox"/> Commercial <input type="checkbox"/> Cargo <input type="checkbox"/> Other:																	
10. Radio Equipment: <input type="checkbox"/> VHF <input type="checkbox"/> HF <input type="checkbox"/> ATC Transponder <input type="checkbox"/> SELCAL <input type="checkbox"/> Other:																	
11. Base of Operation:																	
Owner Information																	
12. Surname:					Given names:												
13. Operator (No A.V.V.):																	
14. Mailing Address:																	
City:			State:			Postal Code:			Country:								
15. Tel (home):				Mobile:				Tel (work):									
Emergency Contact Information (please indicate someone other than the owner)																	
Primary 24-Hour Emergency Contact Person																	
16. Surname:					Given names:												
17. Tel (home):				Mobile:				Tel (work):									
Secondary 24-Hour Emergency Contact Person																	
18. Surname:					Given names:												
19. Tel (home):				Mobile:				Tel (work):									
20. Additional Data:																	

Name:..... Position:..... Date: (M-D-Y)..... Signature:.....

Our number: DL/11572
Oranjestad, 04 May 2011

To All Operators

Ref.: ELT Protocol DCA-Aruba

Dear Operator,

This is to advise you that due to recent changes in the configuration of the Kingdom of the Netherlands the following is hereby established relating to ELT programming:

1. All ELT-s have to be programmed with the Standard Location Protocol (24-bit long message);
2. All ELT-s have to be programmed with the MID-Code 307 (Aruba).

Operators that do not comply with the above will receive a separate letter from the DCA with compliance requirements and a compliance timeframe.

If you have questions relating to the above, do not hesitate to contact Mr. Justiniano Boekhoudt at e-mail justiniano.boekhoudt@aruba.gov.aw or Mr. Jeramiah Schwengle at e-mail jeramiah.schwengle@aruba.gov.aw for further information.

Sincerely,



J.A. Maduro
Director,
DCA of Aruba

JAB/EFK

cc: IASO

Our number:

ELT PROTOCOL ARUBA

Oranjestad, 25 May 2011

Ref.: ELT Protocol DCA-ARUBA

The purpose of this letter is to inform the **OPERATOR** of useful information concerning the coding when programming the ELT.

All beacons registered in **ARUBA** shall be coded according to the **Aviation User Protocol** or if the beacon can be programmed with location position data, they may use the **User Location Protocol**.

The ELT digital message shall contain the registration marking (P4-...) of the belonging aircraft for **identification** as issued by **Department of Civil Aviation Aruba**.

Country Code	User protocols				Location Protocols							
	Serial User			Aviation User	User Location				Standard Location			National Location
	ELT with Serial #	Aircraft Operator Designator and Serial Number	Aircraft 24 bit Address	Aircraft Nationality and Registration Marking	ELT with Serial Number	Aircraft Operator Designator and Serial Number	Aircraft 24 bit Address	Aircraft Nationality and Registration Marking	ELT with Serial Number	Aircraft Operator Designator and Serial Number	Aircraft 24 bit Address	Serial Number Assigned by Competent Administration
307	N	N	N	Y	N	N	N	Y	N	N	N	N



The **AVIATION USER PROTOCOL** using the aircraft **Registration marking** has the following structure:

Aviation User Protocol								
Bits	25	26	27 – 36	37 – 39	40 – 81	82 - 83	84	85
---	0	1	0100110011	0 0 1	Aircraft Registration Marking (42 bits = up to 7 alphanumeric characters)	ELT NUMBER	R	L

Bits Usage

- 25 format flag (= 0) **short message format**
- 26 protocol flag (=1) **user protocols or user-location protocols**
- 27-36 country code for Aruba; **307 (=0100110011)**
- 37-39 user protocol code (=001) **Aviation User Protocol**
- 40- 81 aircraft registration marking, containing up to 7 alphanumeric characters, is encoded using the modified –Baudot code. Registration marking format shall be as follows; **P4-*****
- 82-83 Specific ELT number where “00” indicates the first ELT on the aircraft coded with this protocol and “01”, “10” and “11” identify additional ELTs on the same aircraft, all coded with the **Aviation User protocol**.
- 84-85 **auxiliary radio-locating device type(s)**, (RL) set to “01” if a 121.5 MHz radio-locating transmitter is included in the beacon.

Aircraft operators replacing ELT have to install ELT coded with the “**Aviation User Protocol**” according the “**User protocol**” or the “**user location protocol**” according the “**Location Protocol**”

When programming or reprogramming any ELT of your aircraft, a new INS 16.008R1 form has to be submitted to the Department of Civil Aviation Aruba for record purposes.

Reprogramming any ELT makes the existing 15 digit hex code label obsolete. A new 15 digit hex code label must replace the old one, as ELT labeling must reflect the programming inside. If reprogramming the ELT also changes the country of origin and 3 digit country code, a new country and country code label must replace the old one before the ELT is returned to service.

The operator shall have the ELT tested and data recorded (**INS 16.008R1**), for proper programming of the **country code** and the **aircraft registration** in the ELT, before installing in the aircraft.

For further information regarding this protocol, please contact the Department of Civil Aviation Aruba.

Contact information for the **Department of Civil Aviation Aruba:**

Phone : +297 583 2665

Fax : +297 582 3038

E-Mail : dca.tins@aruba.gov.aw

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Procedure for activation of the “Self Test” of 406 MHz beacons

In case of activating the “Self Test” of an Emergency radio beacon, adhere to the instructions of the Manufacturer of the specific beacon.

During a “Self Test” the beacon will actually transmit “a single burst” on the 406 MHz and a short burst on the 121.5 MHz homing frequency. It therefore is advisable to inform the Local Tower PRIOR to the test in relation tot the 121.5 MHz signal burst. Since the 121.5 MHz is no longer received by the satellites there is no danger that a (false) alert will be raised by the Cospas-Sarsat System on the basis of the 121.5 MHz signal.

The “Self Test” transmission on 406 MHz will use a special “inverted” frame synch pattern in the beacon message that will be recognized by the satellite and on that basis will not be processed in the SARP (Search and Rescue Processor) on board the Satellite as would be the case with a real alert.

The message will be recognized by the ground station or Local User Terminal (LUT) as a test signal and will not be distributed to the Mission Control Centre (MCC) or to the RCC.

If the “Self-Test” is properly executed it will not have a negative effect on the Cospas-Sarsat system (Not generate a false alert).

Therefore it is NOT necessary to notify the **Department of Civil Aviation Aruba** of these tests using the “Self Test” mode.

In case of an accidental activation in **life mode**, it is vital that the **Department of Civil Aviation Aruba** is informed immediately.

Contact information for the **Department of Civil Aviation Aruba**:

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E-Mail : dca.tins@aruba.gov.aw