



*Electronics for Harsh Environments*

**FAA  
SPECTRUM ENGINEERING DIVISION  
800 INDEPENDENCE AVENUE SW  
WASHINGTON, DC 20591  
USA**

Blagnac, on November 24<sup>th</sup>, 2003

**SIÈGE SOCIAL :**

14, place Marcel Dassault  
B.P. 48  
31702 BLAGNAC Cedex  
France

V/Réf. :  
N/Réf : 03B67287  
P.J. : TSO letters (2)  
ELTA contact : C. CRESP, [c.cresp@elta.fr](mailto:c.cresp@elta.fr)

Tél. : +33 (0)5 34 36 10 00  
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[www.elta.fr](http://www.elta.fr)

**SUBJECT** : FAA coordination letter on FCC grant for notification of an ELT system with proposed FCCID:LYJADT406

Dear Sir,

In accordance with the Part 87 of Chapter 1 of Title 47 of the CFR "AVIATION SERVICES" amendment, dealing with the use of COSPAS-SARSAT 406.028 MHz ELT's [ref. Part 87.147(d)], We are notifying FAA that ELTA is sending an "application for grant of notification" from the FCC.

We enclosed with this letter the letters of TSO issued by the FAA office in Brussels.

If we can be of more assistance to you, please do not hesitate to contact us immediately.

Your's Faithfully

C. CRESP  
Product Support Manager

CEIS TM, ENERSYS, CITA  
et ELFES ELECTRONIQUES  
sont des marques  
de ELTA S.A.

S.A. au capital de 2 600 000 €  
R.C.S Toulouse 92 B 1746  
SIREN 388 919 177  
Code A.P.E. 322 A  
T.V.A. FR 27 388 919 177



U.S. Department  
of Transportation  
Federal Aviation  
Administration

ANR → CCR  
AIRCRAFT CERTIFICATION STAFF  
c/o American Embassy  
27, Boulevard du Regent  
B-1000 Brussels, Belgium

February 24, 2003

In reply refer to: GE/vk/02/24/03: 0029-03

Mr. Jacques Houget  
Direction Generale de l'Aviation Civile  
50, rue Henry Farman  
F-75720 Paris Cedex 15  
France

Dear Mr. Houget:

This letter refers to ELTA letter Ref. 03B60615, dated January 27, 2003, by which they made application for Technical Standard Order (TSO) design approval. This letter also acknowledges receipt of ELTA Statement of Conformance and of DGAC France letter Ref. 2003/0323, dated January 30, 2003, certifying in accordance with FAR 21.617, that the Emergency Locator Transmitter (ELT) listed below complies with the requirements of TSO C91a and TSO C126, as designated in FAR 21.305(b).

Based on the DGAC France certification and receipt of the required data, we hereby accept ELTA TSO design approval to include the Emergency Locator Transmitter (ELT) listed below for manufacture at ELTA located at 14 Place Marcel Dassault, BP 48, 31702 Blagnac Cedex, France.

<u>Type</u>	<u>Description</u>
P/N 01N6590(x)(x)	Emergency Locator Transmitter (ELT) Model ADT 406 AF/AP

This letter of TSO design approval, together with the DGAC France Certificate of Airworthiness for Export, will authorize ELTA to identify the Emergency Locator Transmitter (ELT) with the TSO marking requirements described in FAR 21.607(d) and in TSO C91a and TSO C126 and is issued in accordance with FAR 21.617, governing issuance of TSO design approval for import appliances. Each item must be accompanied by a Certificate of Airworthiness for Export issued by the DGAC France or a duly authorized designee/organization (FAR 21.502(a)).

Deviation:

The requested automatic activation acceleration threshold specified to  $2 \pm 0.3$  g (1.7 g to 2.3 g) is increased by 0.3 g to obtain  $2.3 \pm 0.3$  g (2.0 to 2.6 g).

Any further deviation from the established design approval should be accomplished in accordance with FAR 21.609. The request for approval to deviate, together with all pertinent data, should be submitted to the Federal Aviation Administration (FAA) through the DGAC France and should contain information to show that the particular deviation is compensated for by factors or design features providing an equivalent level of safety.

The following statement must be furnished with each manufactured unit: "The conditions and tests required for TSO approval of this article are minimum performance standards. It is the responsibility of those desiring to install this article either on or within a specific type or class of aircraft to determine that the aircraft installation conditions are within the TSO standards. If not within the TSO standards, the article may be installed only if further evaluation by the applicant documents an acceptable installation and is approved by the Administrator."

A letter of TSO design approval issued under FAR 21.617 is not transferable and is effective until surrendered, withdrawn or otherwise terminated by the FAA (FAR 21.621).

The FAA may, upon notice, withdraw the letter of TSO design approval of any manufacturer who identifies with a TSO marking any article not meeting the performance standards of the applicable TSO (FAR 21.619). The DGAC France airworthiness certification is essential to the determination that the item meets the performance standards of the applicable TSO.

If there are any questions, please feel free to have your staff contact Gregory A. Edwards  
(Tel.: 322.508.2714)

Sincerely,



Thomas A. Boudreau  
Manager, Aircraft Certification Staff  
FAA-Brussels

Reference: GE/vk/02/24/03: 0029-03



U.S. Department  
of Transportation  
Federal Aviation  
Administration

June 12, 2003

In reply refer to: GE/vk/06/12/03: 0073-03

Mr. Jacques Houget  
Direction Generale de l'Aviation Civile  
50, rue Henry Farman  
F-75720 Paris Cedex 15  
France

AIRCRAFT CERTIFICATION STAFF  
c/o American Embassy  
27, Boulevard du Regent  
B-1000 Brussels, Belgium

Post-it® Fax Note 7871		Date 26/06	Page 2 of 2
To Jacques Houget	From K. A. Vandermark		
Co/Dept. DGAC	Co. FAA		
Phone #	Phone #		
Fax # 33-1-580 943 19	Fax # 33-2-230 68 99		

Dear Mr. Houget:

This letter refers to ELTA letter Ref. 03B62956, dated May 12, 2003, by which they made application for Technical Standard Order (TSO) design approval. This letter also acknowledges receipt of ELTA Statement of Conformance and of DGAC France letter Ref. 2003/1698, dated May 20, 2003, certifying in accordance with FAR 21.617, that the Emergency Locator Transmitters (ELT) listed below comply with the requirements of TSO C91a and TSO C126, as designated in FAR 21.305(b).

Based on the DGAC France certification and receipt of the required data, we hereby accept ELTA, TSO design approval to include the Emergency Locator Transmitters (ELT) listed below for manufacture at ELTA, located at 14 Place Marcel Dassault, BP 48, 31702 Blagnac Cedex, France.

<u>Part Number</u>	<u>Description</u>
P/N 01N6591()	Portable and Survival Tri-Freq. Automatic ELT (Model ADT 406 AP)
P/N 02N60051()	Mounting Bracket (Model ADT 406 AP)
P/N 02N69004()	Whip Antenna (Model ADT 406 AP)

This letter of TSO design approval, together with the DGAC France Certificate of Airworthiness for Export, will authorize ELTA, to identify the Emergency Locator Transmitters (ELT) with the TSO marking requirements described in FAR 21.607(d) and in TSO C91a and TSO C126 and is issued in accordance with FAR 21.617, governing issuance of TSO design approval for import appliances. Each item must be accompanied by a Certificate of Airworthiness for Export issued by the DGAC France or a duly authorized designee/organization (FAR 21.502(a)).

Deviation:

The requested Automatic activation acceleration threshold specified to  $2 \pm 0.3$  g (1.7 g to 2.3 g) is increased by 0.3 g to obtain  $2.3 \pm 0.3$  g (2.0 to 2.6 g).

Any further deviations from the established design approval should be accomplished in accordance with FAR 21.609. The request for approval to deviate, together with all pertinent data, should be submitted to the Federal Aviation Administration (FAA) through the LBA and should contain information to show that the particular deviation is compensated for by factors or design features providing an equivalent level of safety.

The following statement must be furnished with each manufactured unit: "The conditions and tests required for TSO approval of this article are minimum performance standards. It is the responsibility of those desiring to install this article either on or within a specific type or class of aircraft to determine that the aircraft installation conditions are within the TSO standards. If not within the TSO standards, the article may be installed only if further evaluation by the applicant documents an acceptable installation and is approved by the Administrator."

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If there are any questions, please feel free to have your staff contact Gregory A. Edwards, (Tel.: 322.508.2714).

Sincerely,



Thomas A. Boudreau  
Manager, Aircraft Certification Staff  
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Reference: GE/vk/06/12/03: 0073-03