



**European Aviation Safety Agency
Rulemaking Directorate**

EXPLANATORY NOTE

CS-ETSO Amendment 1

Executive Director Decision 2006/04/R amends Executive Director Decision No. 2003/10/RM of 24.10.2003.

This Amendment 1 of CS-ETSO: European Technical Standard Orders, incorporates the output from the following 2 EASA rulemaking tasks:

Rulemaking Task No.	TITLE	NPA No.
ETSO.003	Offshore safety and survivability equipment	08/2005
ETSO.004(a)	Miscellaneous ETSO. Revision of ETSO-2C112()	12/2005

Each NPA has been subject to consultation in accordance with Article 43 of the Basic Regulation¹ and Article 15 of the rulemaking procedure established by the Management Board². The Agency has addressed and responded to the comments received on each NPA. The responses are contained in a comment-response document (CRD) which has been produced for each NPA and which is available on the Agency's web-site.

Additional comments were received related to NPA 08/2005 that were not addressed and responded to in the published CRD 08/2005. These comments have been considered and addressed in the table 1 of these explanatory notes. The disposition is reflected in this decision.

Detailed changes incorporated in each NPA are summarised in the following pages for ease of reference.

¹ Regulation (EC) No 1592/2002 of 15 July 2002 on common rules in the field of civil aviation and establishing a European Aviation Safety Agency, OJ L240/1 of 7 September 2002;

² Decision concerning the Rulemaking procedure, adopted by the Management Board on 17 June 2003;



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EXPLANATORY NOTE

TITLE: CS-ETSO Amendment 1
Rulemaking Task No.: ETSO.003
Title: Offshore safety and survivability
equipment
NPA No.: NPA 08/2005
CRD No.: CRD 08/2005

LIST OF PARAGRAPHS AFFECTED

CS ETSO SUBPART B LIST OF ETSOs (INDEX 1 AND 2)

2 INDEX 2

A new paragraph 2.3 has been introduced explaining revisions to ETSO in index 2.

INDEX 1 (table):

1 new introduced ETSO.

INDEX 2 (table):

5 new introduced ETSO.

NEW INTRODUCED ETSO in INDEX 1:

ETSO-C13f	Life preservers.
ETSO-C13f	Appendix 1

NEW INTRODUCED ETSO in INDEX 2:

ETSO-2C70a	Life rafts (reversible and non-reversible)
ETSO-2C70a	Appendix 1
ETSO-2C502	Helicopter crew and passenger integrated immersion suits
ETSO-2C502	Appendix 1
ETSO-2C502	Appendix 2
ETSO-2C503	Helicopter crew and passenger immersion suits
ETSO-2C503	Appendix 1
ETSO-2C503	Appendix 2
ETSO-2C504	Helicopter constant-wear lifejackets
ETSO-2C504	Appendix 1
ETSO-2C504	Appendix 2
ETSO-2C505	Helicopter life rafts
ETSO-2C505	Appendix 1

GENERAL COMMENTS

Incorporates JAA NPA 25C-343



**European Aviation Safety Agency
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EXPLANATORY NOTE

TITLE: CS-ETSO Amendment 1

Rulemaking Task No.:

ETSO.004(a)

Title:

Miscellaneous

ETSO. Revision of ETSO-2C112()

NPA No.:

NPA 12/2005

CRD No.:

CRD 12/2005

LIST OF PARAGRAPHS AFFECTED

CS ETSO SUBPART B LIST OF ETSOs (INDEX 1 AND 2)

INDEX 2 (table):

1 revision to ETSO-C112() from edition a to b.

In INDEX 2 ETSO-2C112(a) date 24.10.2003 is replaced by:

ETSO-2C112(b). Air Traffic Control Radar Beacon System/Mode Select
(ATCRBS/Mode S) Airborne Equipment

GENERAL COMMENTS

Incorporates JAA NPA-TSO-10 which was published by the JAA Headquarters in August 2003 and proposed the modification of one JTSO in order to incorporate the update of EUROCAE standard ED-73b.

Para	Commenter	Comment/Justification	Response	Resulting text
ETSO-2C70a Appendix 1 : § 3.1.8 Flammability	DASSAULT AVIATION	<p>Comment Replace "Type I rafts must meet CS 25 Appendix F Part 1 a(i)" by "Type I rafts must meet CS 25 Appendix F Part 1 a(ii).2 as a class B suit system.</p> <p>Justification FAA TSO-C70a Appendix 1 § 3.1.8 requires Type I rafts to meet FAR 25.853 (b). FAR 25.853 (b) is the old regulation prior to Amendment 25-72 dated July 20, 1990 that has been replaced by FAR 25.853 (a) calling now for Appendix F. Appendix F paragraph (a) (1) (ii) is the one similar to the old FAR 25.853 (b). In order to keep a full similarity between FAA TSO-C70a Appendix 1 and ETSO-2C70a Appendix 1, as well as the same level of flammability requirements, it seems necessary to change the text as proposed in paragraph 2.</p>	Accepted.	3.1.8 <u>Flammability</u> . The device (including carrying case or stowage container) must be constructed of materials which meet CS 25.853, as follows: Type I rafts must meet CS 25 Appendix F Part 1 a(ii)
ETSO-2C70a § 3.1.1 (i)	DASSAULT AVIATION	<p>Comment Addition of retro-reflective materials to be put into harmonization with the FAA</p> <p>Justification It is more simple to have the same rafts complying with TSO-C70a or ETSO-2C70a to be installed on aircraft individually certified even under FAA or EASA regulations. This is also a saving to not to change the rafts each time a used aircraft coming from a FAA country is sold to an EASA country, or the reverse.</p>	<p>Noted. Development of this ETSO was based on the TSO dated 1984. Future harmonisation between FAA and EASA will be considered, but not pursued at this time. Approval for installation of ETSO is not within the remit of this ETSO NPA and an operational issue. Also refer to CRD comment 11.</p>	No text change

Table 1. Post-CRD comment responses