



EC-Type Examination (Module B) Certificate

page 1 of 2

Certificate-No.

423.007

USCG Module B
No.

160.122 / EC 0736 / 423.007

Name and address of the manufacturer: Chemring Marine Limited, 1500 Parkway, Whiteley Fareham, Hampshire PO 15 7AF, UK

Date of issue: 03.05.2012

Annex A.1 Item No & Item designation: A.1/1.10 - Buoyant smoke signals (pyrotechnics)

Product designation: Smoke signal, orange

Product Type: Comet Smoke Signal, Orange, Art. No. 9192000

Intended purpose: For lifeboats and rigid and inflatable liferafts according LSA-Code, section 3.3.

Testing based on (Specific standard): Resolution MSC.81(70) as amended

Remarks: This type approval based on test reports of BAM (Bundesanstalt für Materialforschung und -prüfung), Unter den Eichen 87, 12205 Berlin, File-No. 2.3/0423/12, dated 16.09.2011 and 29.02.2012.

The type tested was found to be in compliance with the Life Saving Appliance requirements of Marine Equipment Directive (MED) 96/98/EC as amended by Directive 2010/68/EC subject to any conditions in the schedule (part of this certificate).

This certificate may only be used in connection with module(s) **D or F or E** of this directive.

Expiry date:

03.05.2017

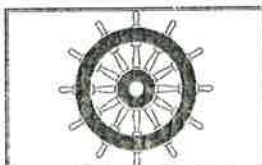
Signature (Lange)

The approval of the installed equipment will be in force beyond the validity date until it is revoked!

Note 1: This certificate will not be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with the notified body named on this certificate.

Note 2: Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply.

Note 3: The Mark of Conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-control phase module (D, E, or F) of ANNEX B of the Directive is fully complied with and controlled by a written inspection agreement with a notified body.



xxxx/yy

Note 4: "Wheelmark" Format

YY Last two digits of year mark affixed.

XXXX Notified Body number undertaking surveillance module

Technical data/approved drawings and additional conditions and remarks:

1.) Drawings:

<u>drawing no.</u>	<u>name</u>	<u>BG Verkehr</u>
5887 - 3000 (4 sheets)	Rauchsignal, orange	03.05.2012

2.) Marking :

The manual has to be according to the muster approved by the BAM.

Date of manufacture (month/year) and date of expiry (**max. 36 months**) is to be marked from delivery of the production place.

A permanent and seawater proof marking with name of manufacturer, type, approval-number and the mark of conformity (see below) and the manual is required.

3.) Quality insurance and production control :

This type approval will be only valid in connection with a certified quality system according to module D of the directive 96/98/EC as amended.

The quality control is to be done according to the requirements of the „Bundesanstalt für Materialprüfung“ (BAM) on the basis of IMO Resolution MSC.81(70) Part 2 section 4.

4.) State of production: Chemring Marine Germany GmbH, 27574 Bremerhaven, Germany

This product has been assigned a U. S. Coast Guard module B number (*USCG number*) to note type approval to Module B only as it pertains to obtaining U. S. Coast Guard approval as allowed by the “Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment” signed February 27th, 2004.

The Coast Guard module B number is:

160.122 / EC0736 / 423.007

The equipment manufacturer has to be mark the equipment with this Coast Guard approval number.

End of Document (2/2)

Europäisch notifizierte Stelle: Kennnummer 0736
European notified body: Identification number 0736

07.08.2012

Anlage - Nr. / Annex - No.: 1

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Anlage zur EU-Baumusterprüfbescheinigung mit der Zulassungs-Nr.: 423.007
Annex to the EC Type-Examination (Module B) Certificate No.:

Für das Produkt vom Typ **Comet Smoke Signal, Orange, Art. No. 9192000**
For the product of type

werden hiermit die folgende(n) Änderung(en) / Ergänzung(en) bekannt gegeben.
the following modification(s) / addition(s) is (are) hereby announced.

Hersteller: Drew Marine Signal & Safety UK Ltd.

Produktionsstätte: Drew Marine Signal & Safety Germany GmbH

Manufacturer: Drew Marine Signal & Safety UK Ltd.
Langstone Technology Park
Langstone Road
Havant
Hampshire
PO9 1SA
U.K.

Production site: Drew Marine Signal & Safety Germany GmbH
Vieländer Weg 147
27574 Bremerhaven, Germany

Prüf- und Zertifizierungsstelle 0736 / Test and Certification Body 0736

Unterschrift / Signature


(Brause)



The approved type with the above certificate number may be further manufactured and sold with the alterations/additions stated above.

The other regulations of the EC-Type Examination Certificate are not affected by this supplement.

This Supplement to EC-Type Examination Certificate will be expired on: **03.05.2017**

END OF DOCUMENT (1/1)

Europäisch notifizierte Stelle: Kennnummer 0736
European notified body: Identification number 0736

12.11.2013

Anlage - Nr. / Annex - No.: 2

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Anlage zur EU-Baumusterprüfbescheinigung mit der Zulassungs-Nr.: 423.007
Annex to the EC Type-Examination (Module B) Certificate No.:

Für das Produkt vom Typ **Comet Smoke Signal, Orange, Art. No. 9192000**
For the product of type

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the following modification(s) / addition(s) is (are) hereby announced.

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Vieländer Weg 147
27574 Bremerhaven, Germany

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END OF DOCUMENT (1/1)

Dienststelle Schiffssicherheit / *Ship Safety Division*
Prüf- und Zertifizierungsstelle im BG-PRÜFZERT

Europäisch notifizierte Stelle: Kennnummer 0736
European notified body: Identification number 0736

14.04.2014

Anlage - Nr. / Annex - No.: 3

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Anlage zur EU-Baumusterprüfbescheinigung mit der Zulassungs-Nr.:

423.007

Annex to the EC Type-Examination (Module B) Certificate No.:

Für das Produkt vom Typ **Comet Smoke Signal, Orange, Art. No. 9 1920 00**
For the product of type

werden hiermit die folgende(n) Änderung(en) / Ergänzung(en) bekannt gegeben.
the following modification(s) / addition(s) is (are) hereby announced.

Aufnahme eines neuen Zeichnungssatzes mit der Nummer: 5887 / Rev.1 und 5887-3000.01.
Grundlage: "Evaluation and Test Report" Nr.0589-P1-0324 BAM / BG Verkehr sowie das Gutachten
Nr. 2.3/0310/14 BAM.

Admittance of a new drawing set no. 5887 / rev.1 and 5887.3000.01.
Basis: "Evaluation and Test Report" No. 0589-P1-0324 BAM / BG Verkehr and the
Expertise No. 2.3/0310/14 BAM.

Prüf- und Zertifizierungsstelle 0736 / Test and Certification Body 0736

Unterschrift / Signature



(Brause)



The approved type with the above certificate number may be further manufactured and sold with the alterations/additions stated above.

The other regulations of the EC-Type Examination Certificate are not affected by this supplement.

This Supplement to EC-Type Examination Certificate will be expired on: **03.05.2017**

END OF DOCUMENT (1/1)