



**Maritime and Port Authority of Singapore  
Shipping Division**

460 Alexandra Road  
#21-00 PSA Building  
Singapore 119963  
Tel: (65) 6375 1929  
Fax: (65) 6375 6231  
E-mail: shipping@mpa.gov.sg

Our Ref: FSC 2.6.01

Date: 04 December 2014

To: Drew Marine Signal & Safety UK Ltd / email: kbradford@drew-marine.com

Dear Sir

**SUBJECT: LETTER OF APPROVAL FOR TYPE-APPROVED EQUIPMENT**

**THIS IS TO CERTIFY** that the equipment as listed in the Appendix to this letter is considered as acceptable\* by the Government of Singapore for use on board Singapore registered ship, provided that the equipment:

- a. Is in good order and condition and is satisfactory in service
  - b. Is replaced when a change of equipment is required by Convention amendments or an upgrade in the required test standard
  - c. When required to be replaced shall be replaced with equipment that is appropriately type-approved to the latest standards
- 2 A copy of this letter be placed onboard the ship with the equipment.
  - 3 This letter loses its validity if there are any changes or modifications made to the approved equipment.
  - 4 This approval is valid\* until **03-May-2017**, unless otherwise revoked.

Yours faithfully,

Tan Min Siong  
Marine Surveyor  
For DIRECTOR OF MARINE  
MARITIME AND PORT AUTHORITY OF SINGAPORE



*Continued on Page 2 – Appendix*

**Clarification: this letter serves only to facilitate the acceptance of equipment for use on Singapore registered vessels and does not constitute an actual type approval certification of the equipment, of which the final acceptance (including verification, installation, testing, as may be required) shall be to the satisfaction of the attending class surveyor performing the statutory surveys and certification of the vessel.**

*\* Equipment accepted with respect to the validity of certificates: IMO MSC.1/Circ.1221 paragraph 3 states "The Committee also agreed that the validity of the Approval Certificate itself has no influence on the operational validity of a product accepted and installed onboard a ship and that a product manufactured during the period of validity of the relevant Type Approval Certificate need not be renewed or replaced due to expiration of such Type Approval Certificate"*

APPENDIX TO APPROVAL LETTER REF FSC 2.6.01 DATED 04-December-2014 ("Drew Marine Signal & Safety UK Ltd")

LIST OF EQUIPMENT AND APPROVAL DETAILS

NO.	EQUIPMENT	REGULATIONS AND IMO/TEST STANDARDS FOR TYPE APPROVAL	TYPE APPROVAL BODY AND APPROVAL DETAILS*
1	<p>Orange Smoke Signal (For survival craft)</p> <p>Type:  <b>"Pains Wessex – Lifesmoke MK 9. Item No. 53700"</b></p> <p>Manufacturer:                      Chemring Marine Limited                      1500 Parkway, Whiteley Fareham,                      Hampshire PO 15 7 AF, UK</p>	<p>Resolution MSC.81(70) as amended</p>	<p>DGUV (Deutsche Gesetzliche Unfallversicherung) Notified Body No. 0736, GERMANY</p> <p>EC Type Examination Certificate (Module B) No. 423.008                      Issued: 03-May-2012</p> <p>And,                      Module D (Production Quality Assurance) No. SEE 14088                      Issued: 2-October-2014</p>
2	<p>Lifebuoys Self-activating smoke signals</p> <p>Type:  <b>"Pains Wessex Manoverboard MK9 Article No.: 9 5378 00"</b></p> <p>Manufacturer:                      Drew Marine Signal &amp; Safety Germany GmbH                      Vielander Weg 147 27574 Bremerhaven,                      GERMANY</p>	<p>SOLAS 74 Chap. III/7,34</p> <p>Resolution MSC.81(70) as amended (incl. MSC.323(89))</p> <p>IMO Resolution MSC.36(63), MSC.48(66) and MSC.97(73)</p>	<p>DGUV (Deutsche Gesetzliche Unfallversicherung) Notified Body No. 0736, GERMANY</p> <p>EC Type Examination Certificate (Module B) No. 422.013                      Issued: 03-April-2014</p> <p>And,                      Module D (Production Quality Assurance) No. SEE 14088                      Issued: 2-October-2014</p>



Continued on page 3

\* Equipment accepted with respect to the validity of certificates: IMO MSC.1/Circ.1221 paragraph 3 states "The Committee also agreed that the validity of the Approval Certificate itself has no influence on the operational validity of a product accepted and installed onboard a ship and that a product manufactured during the period of validity of the relevant Type Approval Certificate need not be renewed or replaced due to expiration of such Type Approval Certificate"

APPENDIX TO APPROVAL LETTER REF FSC 2.6.01 DATED 04-December-2014 ("Drew Marine Signal & Safety UK Ltd")

LIST OF EQUIPMENT AND APPROVAL DETAILS

NO.	EQUIPMENT	REGULATIONS AND IMO/TEST STANDARDS FOR TYPE APPROVAL	TYPE APPROVAL BODY AND APPROVAL DETAILS*
3	<p>Self-activating Smoke Signal for lifebuoys</p> <p>Type:  <b>"Pains Wessex Buoy smoke MK9 Article No.: 9538350"</b></p> <p>Manufacturer:                      Drew Marine Signal &amp; Safety Germany GmbH                      Vieler Weg 147 27574 Bremerhaven, GERMANY</p>	<p>SOLAS Regulations III/4 and X/3                      SOLAS Regulations III/7.1.3 and III/34                      Chapter 8.1 and 8.3.1 of IMO Resolution MSC.36(63) and MSC.97(73)                      Chapter I, II/2.1.3 &amp; III/3.3 of IMO Resolution MSC.48(66) "LSA Code" as revised                      IMO Resolution MSC.81(70) as amended</p>	<p>DGUV (Deutsche Gesetzliche Unfallversicherung) Notified Body No. 0736, GERMANY</p> <p>EC Type Examination Certificate (Module B)                      No. 422.014                      Issued: 03-April-2014</p> <p>And,                      Module D (Production Quality Assurance)                      No. SEE 14088                      Issued: 2-October-2014</p>
4	<p>Hand Flares (Pyrotechnics)</p> <p>Type:  <b>"Pains Wessex Red Handflare MK 8 Item No. 52900"</b></p> <p>Manufacturer:                      Drew Marine Signal &amp; Safety Ltd                      Langstone Road, Havant, Hampshire PO9 1SA, UK</p>	<p>Compliance with SOLAS 74 as amended Chap. III/34                      IMO Resolution MSC.36(63), MSC.48(66) and MSC.97(73)</p>	<p>DGUV (Deutsche Gesetzliche Unfallversicherung) Notified Body No. 0736, GERMANY</p> <p>EC Type Examination Certificate (Module B)                      No. 426.005                      Issued: 31-December-2012</p> <p>And,                      Module D (Production Quality Assurance)                      No. SEE 14088                      Issued: 2-October-2014</p>



Continued on page 4

\* Equipment accepted with respect to the validity of certificates: IMO MSC.1/Circ.1221 paragraph 3 states "The Committee also agreed that the validity of the Approval Certificate itself has no influence on the operational validity of a product accepted and installed onboard a ship and that a product manufactured during the period of validity of the relevant Type Approval Certificate need not be renewed or replaced due to expiration of such Type Approval Certificate"

APPENDIX TO APPROVAL LETTER REF FSC 2.6.01 DATED 04-December-2014 ("Drew Marine Signal & Safety UK Ltd")

LIST OF EQUIPMENT AND APPROVAL DETAILS

NO.	EQUIPMENT	REGULATIONS AND IMO/TEST STANDARDS FOR TYPE APPROVAL	TYPE APPROVAL BODY AND APPROVAL DETAILS*
5	Rocket Parachute Flare, Red (distress Signal Pyrotechnics)  Type: "Pains Wessex Para Red Rocket MK8A, Item No. 50672 (9506720), 50637 (9506370)"  Manufacturer: Drew Marine Signal & Safety Ltd Langstone Road, Havant, Hampshire PO9 ISA, UK	Compliance with SOLAS 74 as amended Chap. III/6,34 IMO Resolution MSC.36(63), MSC.48(66) and MSC.97(73)	DGUV (Deutsche Gesetzliche Unfallversicherung) Notified Body No. 0736, GERMANY  EC Type Examination Certificate (Module B) No. 425.007 Issued: 31-March-2013  And, Module D (Production Quality Assurance) No. SEE 14088 Issued: 2-October-2014
6	Line Throwing Appliance (Pyrotechnics)  Type: "Pains Wessex Linethrower 250"  Manufacturer: Drew Marine Signal & Safety Ltd Langstone Road, Havant, Hampshire PO9 ISA, UK	Compliance with SOLAS 74 as amended Chap. III/18,34 IMO Resolution MSC.36(63), MSC.48(66) and MSC.97(73)	DGUV (Deutsche Gesetzliche Unfallversicherung) Notified Body No. 0736, GERMANY EC Type Examination Certificate (Module B) No. 424.003 Issued: 31-December-2012  And, Module D (Production Quality Assurance) No. SEE 14088 Issued: 2-October-2014

Issued Date: 04-December-2014



Tan Min Siong  
 For DIRECTOR of MARINE  
 MARITIME & PORT AUTHORITY OF SINGAPORE

\* Equipment accepted with respect to the validity of certificates: IMO MSC.1/Circ.1221 paragraph 3 states "The Committee also agreed that the validity of the Approval Certificate itself has no influence on the operational validity of a product accepted and installed onboard a ship and that a product manufactured during the period of validity of the relevant Type Approval Certificate need not be renewed or replaced due to expiration of such Type Approval Certificate"