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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



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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>Lifebuoys Self-activating smoke signals</p> <p>Type: "Comet Article No.:9 1816 00"</p> <p>Manufacturer: Drew Marine Signal & 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. 422.012</p> <p>Issued: 03-April-2014</p> <p>And,</p> <p>Module D (Production Quality Assurance) No. SEE 14088</p> <p>Issued: 29-October-2014</p>
2	<p>Lifeboat & Liferaft smoke signal, Orange</p> <p>Type: "Comet Smoke Signal, Orange, Art. No. 9192000"</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. 423.007</p> <p>Issued: 03-May-2012</p> <p>And,</p> <p>Module D (Production Quality Assurance) No. SEE 14088</p> <p>Issued: 29-October-2014</p>



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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>Lifebuoys Self-activating smoke signals</p> <p>Type: "Comet Article No.:9 1817 00"</p> <p>Manufacturer: Drew Marine Signal & 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. 422.011</p> <p>Issued: 02-April-2014</p> <p>And,</p> <p>Module D (Production Quality Assurance) No. SEE 14088</p> <p>Issued: 29-October-2014</p>
4	<p>Line-throwing appliance (Pyrotechnics)</p> <p>Type: "COMET 250 (Article-No.: 9160400)"</p> <p>Manufacturer: Drew Marine Signal & Safety Ltd Langstone Road, Havant, Hampshire PO9 1SA, UK</p>	<p>Compliance with SOLAS 74 as amended Chap. III/34</p> <p>IMO Resolution MSC.36(63), MSC.48(66) and MSC.97(73)</p> <p>Resolution MSC.81(70)</p>	<p>DGUV (Deutsche Gesetzliche Unfallversicherung) Notified Body No. 0736, GERMANY</p> <p>EC Type Examination Certificate (Module B) No. 424.002</p> <p>Issued: 31-December-2012</p> <p>And,</p> <p>Module D (Production Quality Assurance) No. SEE 14088</p> <p>Issued: 29-October-2014</p>



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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	Hand flare for lifeboats/rescue boat and liferafts Type: "Comet Handflare, Red-Article-No.: 9162800 or RFD Red Handflare-Article-No.: 9162850" Manufacturer: Drew Marine Signal & Safety Ltd Langstone Road, Havant, Hampshire PO9 1SA, UK	Compliance with SOLAS 74 as amended Chap. III/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. 426.004 Issued: 31-December-2012 And, Module D (Production Quality Assurance) No. SEE 14088 Issued: 29-October-2014
6	Rocket parachute flare, red Type: "Comet Rocket Parachute Flare, Red – Art.No.: 9163100, 9163101, 9163103, 9163150" Manufacturer: Drew Marine Signal & Safety Ltd Langstone Road, Havant, Hampshire PO9 1SA, 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. 425.005 Issued: 31-March-2013 And, Module D (Production Quality Assurance) No. SEE 14088 Issued: 29-October-2014

Issued Date: 04-December-2014



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

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