

## GUIDE FOR

# BALLAST WATER TREATMENT AUGUST 2016

**CORRIGENDA/EDITORIALS – 1 February 2017**

**CORRIGENDA/EDITORIALS – 1 May 2018**

Page No.	Paragraph	Comments
<b>Foreword</b>		
iii	Foreword	In sixth paragraph, reference “Appendix 1” to read “Annex 1”.
iii	Foreword	In sixth paragraph, reference “4/3.4.3” to read “4/3.5”.
iii	Foreword	In seventh paragraph, reference “Appendix 2B” to read “Appendix 3”.
iii	Foreword	In eighth paragraph, reference “Appendix 3B” to read “Appendix 5”.
iv	Foreword	In ninth paragraph, reference “Appendices 2 and 3” to read “Appendices 3, 4 and 5”.
iv	Foreword	In ninth paragraph, references “Appendices 2A and 3A accordingly” to read “Appendices 4, 6 and 7, respectively”.
<b>Section 1 General</b>		
3	1/9	Reference “Appendix 1” to read “Annex 1”.
<b>Annex 1 United States Coast Guard Type Approval</b>		
6	1/Annex 1	In title, “Appendix 1” to read “Annex 1”.
6	1/Annex 1	At the end of the first paragraph, add, “which states the following:”.
<b>Section 2 General</b>		
8	2/Table 1	In “Personnel Protection Equipment arrangements” row, reference “Subsection 4/17” to read “Subsection 4/16”.
<b>Section 3 General Requirements</b>		
11	3/3	Delete last paragraph of Subsection 3/3.
11	3/5.1	Relocate last paragraph of Subsection 3/3 to first paragraph of 3/5.1: “To receive the <b>BWT</b> notation, the BWMS installed onboard is to receive a Type Approval Certificate issued by an IMO Member State. For a system that makes use of active substances, documentation relating to the IMO Basic Approval and Final Approval are required to be submitted to ABS.”.

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<b>Section 3</b>	<b>General Requirements</b>	
12	3/5.1	Relocate text of 3/5.5 to the end of 3/5.1: “For obtaining ABS certification, the acceptability of an IMO Member State TA by ABS will be subject to the following requirements:  i) The approval of a BWMS installation or the issuance of an ABS PDA/TA Certificate, will be subject to the condition that the documentation submitted includes the current valid flag Administration TA Certificate, Instruction Manual with the associated original approved piping schematics, along with its related components positively identified in the vendor’s/manufacturer’s submission for review or approval.  ii) The approval of a BWMS installation will only be considered subject to, and only if, the exact configuration of the entire system, with each of its components has been included in the schematics to be approved, as identified in the documentation in 3/5.1i) above.  iii) The acceptance of any deviation from the original flag Administration TA will be subject to the submission of documentation to ABS, issued by the TA issuing flag Administration or an RO on behalf of the TA issuing flag Administration with the endorsement of the flag Administration certifying that the deviation is acceptable within the framework of the original flag Administration TA certification. Such certification of acceptance will not be valid if issued by an RO only, in lieu of issuance of certification by an RO on behalf of the TA issuing flag Administration.”
12	3/5.1	In first line, “IMO Member State TA” to read “IMO Member State Type Approval (TA)”.
12	3/5.5	Delete 3/5.5.
12	3/7.1.1	In second paragraph, reference “Appendix 5” to read “Appendix 7”.
13	3/7.1.2	Revise “to maintain its currency” to read “and maintained up to date”.
<b>Section 4</b>	<b>System-Related and Installation Criteria</b>	
15	4/3xiii)	Revise to read “If servicing hazardous ballast tanks and installed in a hazardous area, among the other requirements indicated in this Guide, the BWMS is to comply with Appendix 6. If installed in a non-hazardous area, the BWMS is to comply with Appendices 1, 2, 3, 4, and 5 of this Guide, as applicable.”
15	4/3xiii)	Reference “Appendix 4” to read “Appendix 6”.
15	4/3xiii)	Reference “Appendices 1, 2A, 2B, 3A and 3B” to read “Appendices 1, 2, 3, 4, and 5”.
16	4/3.3.1ii)	Reference “4/3.4.3” to read “4/3.5”.
17	4/3.3.2ii)	Reference “4/3.4.3” to read “4/3.5”.
17	4/3.3.2ii)a)	Revise “shutdown” to read “shut down”.
17	4/3.3.2ii)b)1)	Revise “shutdown” to read “shut down”.
17	4/3.3.2ii)c)1)	Revise “shutdown” to read “shut down”.
18	4/3.4	Revise title to read, “BWMS Installations in Hazardous Areas on the Deck of Oil Carriers, Chemical Carriers or Tank Barges”.
18	4/3.4i)	Modified text “compartment” to read “compartments”.
18	4/3.4.1	Revise title to read, “Requirements for Non-hazardous BWMS Compartments”.

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<b>Section 4</b>	<b>System-Related and Installation Criteria</b>	
18	4/3.4.1	Revise “may be considered as non-hazardous” to read “may be considered and designated as non-hazardous”.
19	4/3.4.2	Revise title to read, “Requirements for Hazardous BWMS Compartments”.
19	4/3.4.2	Revise “...60°C (140°F) (closed cup test), the ballast water...” to read “...60°C (140°F) (closed cup test), and the ballast water...”.
19	4/3.4.2viii)	Delete “For compartments installed on the deck of a vessel”.
19	4/3.4.2ix)	Reference “Appendix 4” to read “Appendix 6”.
20	4/3.4.3	Renumber as 4/3.5.
20	4/3.4.3 (New 4/3.5)	Add date “(1 August 2016)”.
20	4/3.4.3ii)c) (New 4/3.5ii)c))	Reference “4/3.4.3i)” to read “4/3.5i)”.
23	4/3.5	Renumber as 4/3.6.
25	4/3.9.8	In last paragraph, reference “5/7.3v)” to read “5/7.3”.
25	4/3.11.1	Reference “Appendix 4” to read “Appendix 6”.
30	4/9.5.1	Reference “Appendix 4” to read “Appendix 6”.
<b>Section 5</b>	<b>Considerations for Oil, Gas, Chemical Carriers and Tank Barges</b>	
33	5/1.1	Renumber second and third <i>i</i> ) as <i>ii</i> ), and <i>iii</i> ), respectively.
33	5/3ii)	Reference “Appendix 4” to read “Appendix 6”.
34	5/7.3iii)	Reference “Appendices 1, 2A, 2B, 3A and 3B” to read “Appendices 1, 2, 3, 4, and 5”.
34	5/7.3iv)	Reference “A3A/3, A3A/5, A3A/7” to read “A4/3, A4/5, A4/7”.
34	5/7.3 Note 2	References “Appendix 2A” and “Appendix 2B”, to read “Appendix 2” and “Appendix 3”, respectively.
34	5/7.3 Note 3	References “Appendix 3A” and “Appendix 3B”, to read “Appendix 4” and “Appendix 5”, respectively.
34	5/7.3 Note 4	Reference “Appendix 4” to read “Appendix 6”.
<b>Section 7</b>	<b>Survey Requirements</b>	
39	7/1.3	Revise “...stripping, the duration...” to read “...stripping. The duration...”.
<b>Section 8</b>	<b>Ballast Water Management Plan</b>	
42	8/3.3	Reference “Subsection 4/17” to read “Subsection 4/16”.
42	8/5	Reference “Appendix 5” to read “Appendix 7”.
<b>Appendix 2</b>	<b>Acceptable Isolation Arrangements of a BWMS Dosing Piping System on Oil or Chemical Tankers (From a Non-hazardous Area to a Hazardous Area)</b>	
46	A2	Renumber Appendix 2A as Appendix 2.
46	A2	In first paragraph of item 7, reference “A3A/3” to read “A4/7”.
46	A2	In item 7c), references “A3A/3”, “A3A/5”, and “A3A/7” to read “A4/7”, “A4/7”, and “A4/7”, respectively.

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<b>Appendix 3 Acceptable Isolation Arrangement of a BWMS Dosing Piping system on Oil or Chemical Tankers (From a Non-hazardous Compartment to a non-hazardous Area Routed Through a Hazardous Area)</b>		
48	A3	Re-number Appendix 2B as Appendix 3.
48	A3	In first paragraph, reference “4/3.4.3” to read “4/3.5”.
49	A3	In item 4, “penetration of piping” to read “penetration by piping”.
<b>Appendix 4 BWMS in a Non-hazardous Area Serving Ballast Tanks in a Hazardous Area</b>		
51	A4	Re-number Appendix 3A as Appendix 4.
51	A4/1	In item 1, references “Appendix 2A, Figure 1” and “Appendix 2B, Figure 1”, to read “Appendix 2, Figure 1” and “Appendix 3, Figure 1”, respectively.
54	A4/7	In item 1, references “A3A/5.3.1”, “A3A/5.3.2”, and “A3A/5.3.3” to read “A4/5.3.1”, “A4/5.3.2”, and “A4/5.3.3”, respectively.
55	A4/9	In Figure, references “A3/3”, “A3/5”, and “A3/7” to read “A4/3”, “A4/5”, and “A4/7”, respectively.
55	A4/9	In item 1, references “A3A/3”, “A3A/5”, and “A3A/7” to read “A4/3”, “A4/5”, and “A4/7”, respectively.
<b>Appendix 5 BWMS Installations on Dedicated Articulated Tug-Barge (ATB) Combinations</b>		
56	A5	Re-number Appendix 3B as Appendix 5.
56	A5/1	In second-to-last paragraph, reference “3/5.5” to read “3/5.1”.
57	A5/3vi)	Reference “Appendix 3B, Figure 1” to read “Appendix 5, Figure 1”.
57	A5/3vi)i)	Reference “Appendix 3B, Figure 1” to read “Appendix 5, Figure 1”.
57	A5/3vi)ii)	References “A3A/1”, “A3A/3”, “A3A/5”, and “A3A/7” to read “A4/1”, “A4/3”, “A4/5”, and “A4/7”, respectively.
57	A5/3vi)	Reference “Appendix 3B, Figure 2” to read “Appendix 5, Figure 2”.
57	A5/3vi)i)	Reference “Appendix 3B, Figure 2” to read “Appendix 5, Figure 2”.
57	A5/3vi)ii)	Reference “Appendix 2A” to read “Appendix 2”.
57	A5/3vi)	Reference “Appendix 3B, Figure 3” to read “Appendix 5, Figure 3”.
57	A5/3vi)i)	Reference “Appendix 3B, Figure 3” to read “Appendix 5, Figure 3”.
57	A5/3vi)iii)	Reference “Appendix 3A” to read “Appendix 4”.
57	A5/3vi)iv)	Reference “Appendix 2A” to read “Appendix 2”.
58	A5, Figure 1	Reference “App. 3” to read “App. 4”.
60	A5, Figure 3	Reference “App. 3” to read “App. 4”.
<b>Appendix 6 Additional Arrangements for the Placement of Electric Equipment in Hazardous Areas</b>		
61	A6	Re-number Appendix 4 as Appendix 6.
<b>Appendix 7 Ballast Water Management Plan</b>		
63	A7	Modified Title “Appendix 5” to read “Appendix 7”.