



Ballast water treatment systems

Approved ballast water treatment systems.

These treatments have received type approval in accordance with the IMO resolution MEPC.175(58).

Table 1: Listed by date of approval

(also see listed A-Z by [treatment name in Table 2](#) below)

	Approval date	Name of the administration	Name of the ballast water management system	Copy of Type Approval Certificate	MEPC report granting final approval
1	June 2008	Det Norske Veritas, on behalf of the Norwegian Administration	PureBallast System	Provided (MEPC 61/INF.3)	MEPC 56/23, paragraph 2.8
2	10 June 2008	Federal Maritime and Hydrographic Agency, Germany	SEDNA® Ballast Water Management System (Using Peraclean® Ocean)	Provided (MEPC 58/INF.17)	MEPC 57/21, paragraph 2.16
3	31 December 2008	Ministry of Land, Transport and Maritime Affairs, the Republic of Korea	Electro-Clean™ System	Provided (MEPC 59/INF.6)	MEPC 58/23, paragraph 2.8
4	17 April 2009	Det Norske Veritas, on behalf of the Norwegian Maritime Directorate	OceanSaver® Ballast Water Management System	Provided (MEPC 59/INF.17 and MEPC 62/INF.15)	MEPC 58/23, paragraph 2.10
5	24 November 2009	Ministry of Land, Transport and Maritime Affairs, the Republic of Korea	NK-O3 BlueBallast System (Ozone)	Provided (MEPC 60/INF.14)	MEPC 59/24, paragraph 2.8.
6	4 December 2009	Ministry of Land, Transport and Maritime Affairs, the Republic of Korea	GloEn-Patrol™ Ballast Water Management System	Provided (MEPC 61/2/19)	MEPC 60/22, paragraph 2.7
7	5 March 2010	Ministry of Land, Infrastructure, Transport and Tourism of Japan	Hitachi Ballast Water Management System (ClearBallast)	Provided (MEPC 61/INF.21)	MEPC 59/24, paragraph 2.8
8	28 January 2011	China Maritime Safety Administration	BalClor™ Ballast Water Management System	Provided (MEPC 62/INF.29)	MEPC 61/24, Paragraph 2.7.3
9	26 May 2010 and 25 March 2011	Inspection and Measurement Division, Maritime Bureau, Ministry of Land, Infrastructure, Transport and Tourism of Japan	JFE BallastAce® Ballast Water Management System	Provided (MEPC 62/INF.25)	MEPC 60/22

					paragraph 2.7
10	19 April 2011 Renewal 18 January 2013	The South African Department of Transport The South African Department of Transport	Resource Ballast Technologies System	Provided (MEPC 62/INF.18) Provided (MEPC 65/INF.26)	MEPC 60/22 paragraph 2.7
11	2 September 2008 19 January 2010	Office of the Maritime Administration, Marshall Islands Merchant Shipping Directorate of Malta	NEI Treatment System VOS-2500-101	Available at request Provided (BWM.2/Circ.25)	Not applicable Not applicable
12	29 April 2009	Lloyd's Register, as delegated by the Administration of the United Kingdom	Hyde GUARDIAN TM ballast water management system	Provided (MEPC 59/INF.20)	Not applicable
13	12 November 2009	Det Norske Veritas, on behalf of the Norwegian Maritime Directorate	OptiMarin Ballast System (OBS)	Provided (MEPC 61/INF.4)	Not applicable
14	16 February 2011	China Maritime Safety Administration	Blue Ocean Shield Ballast Water Management System	Provided (MEPC 62/INF.28)	Not applicable
15	10 March 2011	Det Norske Veritas, on behalf of the Norwegian Maritime Directorate	PureBallast 2.0 and PureBallast 2.0 Ex	Provided (MEPC 62/INF.14)	Not applicable
16	16 March 2011	The Ministry of Land, Transport and Maritime Affairs of the Republic of Korea	EcoBallast Ballast Water Management System (Hyundai Heavy Industries Co., Ltd.)	Provided (MEPC 63/INF.5)	MEPC 60/22 paragraph 2.13
17	28 March 2011	China Maritime Safety Administration	BSKY TM Ballast Water Management System	Provided (MEPC 62/INF.30)	Not applicable
18	6 June 2011	Inspection and Measurement Division, Maritime Bureau, Ministry of Land, Infrastructure, Transport and Tourism of Japan	FineBallast [®] OZ (the Special Pipe Hybrid Ballast Water Management System combined with Ozone treatment version)	Provided (MEPC 63/INF.12)	MEPC 61/24 paragraph 2.7
19	27 July 2011	Federal Maritime and Hydrographic Agency, Germany	BalPure [®] BP-500	Provided (MEPC 64/INF.20)	MEPC 61/24 paragraph 2.7
20	6 August 2011	Office of the Maritime Administrator, Republic of the Marshall Islands	NEI Treatment System VOS-500 to VOS-6000	Available at request	Not applicable
21	31 October 2011	The Ministry of Land, Transport and Maritime Affairs of the Republic of Korea	Purimar TM System	Provided (MEPC 63/INF.6)	MEPC 62/24 paragraph 2.5
22	7 November 2011	Det Norske Veritas, on behalf of the Norwegian Maritime Directorate	OceanGuard TM Ballast Water Management System	Provided (MEPC 65/INF.2)	MEPC 61/24, paragraph 2.7
23	11 November 2011	The Ministry of Land, Transport and Maritime Affairs of the Republic of Korea	HiBallast TM Ballast Water Management System	Provided (MEPC 63/INF.4)	MEPC 62/24 paragraph 2.5

24	22 December 2011	Det Norske Veritas, on behalf of the Norwegian Maritime Directorate	OceanSaver® Ballast Water Management System	Provided (MEPC 64/INF.4)	MEPC 58/23, paragraph 2.10
25	10 May 2012	Hellenic Republic, Ministry of Development, Competitiveness and Shipping, General Secretariat of Shipping, Merchant Ships Inspection General Directorate, Design and Construction Directorate	ERMA FIRST BWTS	Provided (MEPC 64/INF.26)	MEPC 63/23, paragraph 2.7
26	30 May 2012	Inspection and Measurement Division, Maritime Bureau, Ministry of Land, Infrastructure, Transport and Tourism of Japan	MICROFADETM Ballast Water Management System	Provided (MEPC 64/INF.17)	MEPC 63/23, paragraph 2.7
27	12 June 2012	China Maritime Safety Administration	CyecoTM Ballast Water Management System	Provided (MEPC 64/INF.12)	Not applicable
28	15 June 2012	The Ministry of Land, Transport and Maritime Affairs of the Republic of Korea	AquaStarTM Ballast Water Management System	Provided (MEPC 64/INF.18)	MEPC 63/23, paragraph 2.7
29	12 July 2012	The Ministry of Land, Transport and Maritime Affairs of the Republic of Korea	ARA PLASMA BWTS Ballast Water Management System	Provided (MEPC 64/INF.33)	MEPC 61/24, paragraph 2.7
30	20 September 2012	The Norwegian Maritime Authority	CrystalBallast® Ballast Water Management System	Provided (MEPC 65/INF.13)	Not applicable
31	7 November 2012	The Danish Maritime Authority and the Danish Nature Agency	DESMI Ocean Guard OxyClean Ballast Water Management System	Provided (MEPC 65/INF.5)	MEPC 64/23, paragraph 2.6
32	14 November 2013	The Norwegian Maritime Authority	KBAL Ballast Water Management System	Provided (MEPC 65/INF.12)	Not applicable
33	20 December 2012	The Netherlands Ministry of Infrastructure and the Environment	Wärtsilä AQUARIUS® UV ballast water management system	Provided (MEPC 65/INF.11)	Not applicable

Table 2: List sorted by treatment name

	Approval date	Name of the administration	Name of the ballast water management system	Copy of type approval certificate	MEPC report granting Final approval
28	15 June 2012	The Ministry of Land, Transport and Maritime Affairs of the Republic of Korea	AquaStarTM Ballast Water Management System	Provided (MEPC 64/INF.18)	MEPC 63/23, paragraph 2.7
29	12 July 2012	The Ministry of Land, Transport and Maritime Affairs of the Republic of Korea	ARA PLASMA BWTS Ballast Water Management System	Provided (MEPC 64/INF.33)	MEPC 61/24, paragraph 2.7
8	28 January 2011	China Maritime Safety Administration	BalClorTM Ballast Water Management System	Provided (MEPC 62/INF.29)	MEPC 61/24, Paragraph 2.7.3

19	27 July 2011	Federal Maritime and Hydrographic Agency, Germany	BalPure® BP-500	Provided (MEPC 64/INF.20)	MEPC 61/24 paragraph 2.7
14	16 February 2011	China Maritime Safety Administration	Blue Ocean Shield Ballast Water Management System	Provided (MEPC 62/INF.28)	Not applicable
17	28 March 2011	China Maritime Safety Administration	BSKYTM Ballast Water Management System	Provided (MEPC 62/INF.30)	Not applicable
30	20 September 2012	The Norwegian Maritime Authority	CrystalBallast® Ballast Water Management System	Provided (MEPC 65/INF.13)	Not applicable
27	12 June 2012	China Maritime Safety Administration	CyecoTM Ballast Water Management System	Provided (MEPC 64/INF.12)	Not applicable
31	7 November 2012	The Danish Maritime Authority and the Danish Nature Agency	DESMI Ocean Guard OxyClean Ballast Water Management System	Provided (MEPC 65/INF.5)	MEPC 64/23, paragraph 2.6
16	16 March 2011	The Ministry of Land, Transport and Maritime Affairs of the Republic of Korea	EcoBallast Ballast Water Management System (Hyundai Heavy Industries Co., Ltd.)	Provided (MEPC 63/INF.5)	MEPC 60/22 paragraph 2.13
3	31 December 2008	Ministry of Land, Transport and Maritime Affairs, the Republic of Korea	Electro-CleanTM System	Provided (MEPC 59/INF.6)	MEPC 58/23, paragraph 2.8
25	10 May 2012	Hellenic Republic, Ministry of Development, Competitiveness and Shipping, General Secretariat of Shipping, Merchant Ships Inspection General Directorate, Design and Construction Directorate	ERMA FIRST BWTS	Provided (MEPC 64/INF.26)	MEPC 63/23, paragraph 2.7
18	6 June 2011	Inspection and Measurement Division, Maritime Bureau, Ministry of Land, Infrastructure, Transport and Tourism of Japan	FineBallast® OZ (the Special Pipe Hybrid Ballast Water Management System combined with Ozone treatment version)	Provided (MEPC 63/INF.12)	MEPC 61/24 paragraph 2.7
6	4 December 2009	Ministry of Land, Transport and Maritime Affairs, the Republic of Korea	GloEn-PatrolTM Ballast Water Management System	Provided (MEPC 61/2/19)	MEPC 60/22, paragraph 2.7
23	11 November 2011	The Ministry of Land, Transport and Maritime Affairs of the Republic of Korea	HiBallastTM Ballast Water Management System	Provided (MEPC 63/INF.4)	MEPC 62/24 paragraph 2.5
7	5 March 2010	Ministry of Land, Infrastructure, Transport and Tourism of Japan	Hitachi Ballast Water Management System (ClearBallast)	Provided (MEPC 61/INF.21)	MEPC 59/24, paragraph 2.8
12	29 April 2009	Lloyd's Register, as delegated by the Administration of the United Kingdom	Hyde GUARDIAN™ ballast water management system	Provided (MEPC 59/INF.20)	Not applicable
9	26 May 2010 and	Inspection and Measurement Division, Maritime Bureau, Ministry of Land, Infrastructure, Transport	JFE BallastAce® Ballast Water Management	Provided (MEPC	MEPC 60/22

	25 March 2011	and Tourism of Japan	System	62/INF.25)	paragraph 2.7
32	14 November 2013	The Norwegian Maritime Authority	KBAL Ballast Water Management System	Provided (MEPC 65/INF.12)	Not applicable
26	30 May 2012	Inspection and Measurement Division, Maritime Bureau, Ministry of Land, Infrastructure, Transport and Tourism of Japan	MICROFADETM Ballast Water Management System	Provided (MEPC 64/INF.17)	MEPC 63/23, paragraph 2.7
20	6 August 2011	Office of the Maritime Administrator, Republic of the Marshall Islands	NEI Treatment System VOS-500 to VOS-6000	Available at request	Not applicable
11	2 September 2008 19 January 2010	Office of the Maritime Administration, Marshall Islands Merchant Shipping Directorate of Malta	NEI Treatment System VOS-2500-101	Available at request Provided (BWM.2/Circ.25)	Not applicable Not applicable
5	24 November 2009	Ministry of Land, Transport and Maritime Affairs, the Republic of Korea	NK-O3 BlueBallast System (Ozone)	Provided (MEPC 60/INF.14)	MEPC 59/24, paragraph 2.8.
22	7 November 2011	Det Norske Veritas, on behalf of the Norwegian Maritime Directorate	OceanGuardTM Ballast Water Management System	Provided (MEPC 65/INF.2)	MEPC 61/24, paragraph 2.7
4	17 April 2009	Det Norske Veritas, on behalf of the Norwegian Maritime Directorate	OceanSaver® Ballast Water Management System	Provided (MEPC 59/INF.17 and MEPC 62/INF.15)	MEPC 58/23, paragraph 2.10
24	22 December 2011	Det Norske Veritas, on behalf of the Norwegian Maritime Directorate	OceanSaver® Ballast Water Management System	Provided (MEPC 64/INF.4)	MEPC 58/23, paragraph 2.10
13	12 November 2009	Det Norske Veritas, on behalf of the Norwegian Maritime Directorate	OptiMarin Ballast System (OBS)	Provided (MEPC 61/INF.4)	Not applicable
1	June 2008	Det Norske Veritas, on behalf of the Norwegian Administration	PureBallast System	Provided (MEPC 61/INF.3)	MEPC 56/23, paragraph 2.8
15	10 March 2011	Det Norske Veritas, on behalf of the Norwegian Maritime Directorate	PureBallist 2.0 and PureBallast 2.0 Ex	Provided (MEPC 62/INF.14)	Not applicable
21	31 October 2011	The Ministry of Land, Transport and Maritime Affairs of the Republic of Korea	PurimarTM System	Provided (MEPC 63/INF.6)	MEPC 62/24 paragraph 2.5
10	19 April 2011 Renewal 18 January 2013	The South African Department of Transport The South African Department of Transport	Resource Ballast Technologies System	Provided (MEPC 62/INF.18) Provided (MEPC 65/INF.26)	MEPC 60/22 paragraph 2.7
2	10 June 2008	Federal Maritime and Hydrographic Agency, Germany	SEDNA® Ballast Water Management System (Using Peraclean® Ocean)	Provided (MEPC 58/INF.17)	MEPC 57/21, paragraph 2.16

33	20 December 2012	The Netherlands Ministry of Infrastructure and the Environment	Wärtsilä AQUARIUS® UV ballast water management system	Provided (MEPC 65/INF.11)	Not applicable
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Note: lists last updated in May 2013.

Approval Date	Name of the Administration	Name of the ballast water management system	Copy of Type Approval Certificate	MEPC report granting Final Approval
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Last reviewed: **07 Sep 2015** | Has this been useful? [Give us your feedback](#)

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