

# Merchant Marine Circular

Panama Maritime Authority  
General Directorate of Merchant Marine  
Control and Compliance Department

## MERCHANT MARINE CIRCULAR MMC-362

- To:** Ship-owners/Operators, Company Security Officers, Legal Representatives of Panamanian Flagged Vessels, Panamanian Merchant Marine Consulates and Recognized Organizations (ROs).
- Subject:** List of accepted Companies with type approval Certificate of Ballast Water Management System.
- Reference:**
- a) Law No.41 of 12 September 2016 adopting International Convention for the Control and Management of Ships' Ballast Water and Sediments, 2004;
  - b) Resolution MEPC.174 (58) adopted on 10 October 2008 (**only as recommendation**)
  - c) Resolution MEPC.279 (70) adopted on 28 October 2016 (**only as recommendation**)
  - d) Merchant Marine Circular 345

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1. The purpose of this Merchant Marine Circular is to inform the list of Companies with Type Approval Certificate of Ballast Water Management System, accepted by this Administration following the requirements and specifications according to the Guidelines contained in IMO resolution MEPC.174 (58) or MEPC.279 (70) as applicable, are as follows:
  2. The companies with type approval Certificate of Ballast Water Management System that are not listed and wish to be approved by the Panama Maritime Authority, may apply by sending a written request to:

General Directorate of Merchant Marine  
Panama Maritime Authority  
PanCanal Plaza Building, Albrook  
P.O. Box 0843-0533  
Balboa, Ancon

[rberrocal@segumar.com](mailto:rberrocal@segumar.com) or [deputychief@segumar.com](mailto:deputychief@segumar.com)

Phone: +507 501-5348 / 5350

# Merchant Marine Circular

Received Date	Manufacturer (Country)	Models Approved	Process	Treatment Rated capacity	Certificate Issued
Oct. 2017	TECHCROSS INC. (Korea)	Electro-Clean System (ECS 150B m3/h- ECS 300B m3/h- ECS 450B m3/h- ECS 600B m3/h- ECS 1000B m3/h; EX-ECS 150B m3/h- EX-ECS 300B m3/h- EX-ECS 450B m3/h- EX-ECS 600B m3/h- EX-ECS 1000B m3/h)	Electrolysis/Electro chlorination or T-strainer+Electrolysis/Electro chlorination	150m <sup>3</sup> /h ~ 6000m <sup>3</sup> /h	October 24, 2017
Dec. 2017	ERMA FIRST ESK ENGINEERING SOLUTIONS S.A. (Greece)	ERMA FIRST BWMTS FIT 300/FIT 400/FIT 600/FIT 1000/FIT 1500/FIT 2000 (Filters) ERMA FIRST BWMTS 500/800/1000 (Cyclones)	Filtration + Electro chlorination	50 – 3000 m <sup>3</sup> /h	December 11, 2017
Apr. 2018	SAMKUN CENTURY CO.,LTD.	ARA PLASMA BWTS (ARA-011, ARA-017, ARA-028, ARA-039, ARA-063, ARA-092, ARA-126 & ARA-150);	FILTER + PLASMA + MPUV	100m <sup>3</sup> /h ~ 1300 m <sup>3</sup> /h	April 26, 2018
June. 2019	HANLA IMS Co., Ltd	Eco Guardian™ System (EG0130,EG0130-Ex, EG0250, EG0250-Ex, EG0350, EG0350-Ex, EG0500, EG0500-Ex, EG0800, EG0800-Ex, EG1000, EG1000-Ex, EG1500, EG1500-Ex, EG2000, EG2000-Ex, EG2600, EG2600-Ex, EG3000, EG3000-Ex, EG4000, EG4000-Ex, EG6000, EG6000-Ex)	Filter + Electrolysis	130 m <sup>3</sup> /h ~ 6000 m <sup>3</sup> /h	June 25th, 2019



# Merchant Marine Circular

3. All requirements to obtain the Recognition Certificate for the Ballast Water Management System (BWMS) through a legal representative located in Panama can be found in the **MMC-345**.

**October, 2023** – References were updated

**October 2019** – Add to Type Approval List: SAMKUN CENTURY CO.,LTD., HANLA IMS Co., Ltd

**August 2018**-Techcross amendment (process)

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Inquiries concerning the subject of this Merchant Marine Circular or any other request should be forward to:

SEGUMAR Panama  
General Directorate of Merchant Marine  
Panama Maritime Authority

Phone: (507) 501-5348 / 5350

E-mail: [rberrocal@segumar.com](mailto:rberrocal@segumar.com) / [deputychief@segumar.com](mailto:deputychief@segumar.com)

Website: <https://panamashipregistry.com/circulars/>