

(Draft)

Amended Guidance for Approval of Service Suppliers

March 2023



- Main Amendments -

(1) Effective date : 1 July 2023 (Date of which the application for survey is submitted)

● Reflected IACS UR Z17(Rev.18 Feb 2022)

Main Reason for Change:

- To delete the requirement for an ISO/IEC accreditation for service suppliers for BWMS Commissioning Testing

History of Decisions Made:

- ISO/IEC 17025 accreditation is for a specific analysis method and suitable for analyses carried out in accordance with an international standard method in a laboratory.
- However, for BWMS commissioning testing, the ballast water sampling and subsequent indicative analysis of the samples is carried out on board the ship and does not require any laboratory work.
- There are currently also no international standard methods for sampling and indicative analysis. As a result, accreditation bodies are currently not offering an ISO/IEC 17025 accreditation specific to sampling and indicative analysis of ballast water on board a ship.

(1) Effective date : 1 July 2023

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Present	Amendments	Reason
<p style="text-align: center;">INTRODUCTION <omitted></p> <p>Appendix Part A – Approval of Service Suppliers listed in IACS UR Z17</p> <p>1. ~ 11. <omitted></p> <p>12. Firms engaged in measurements of Noise level Onboard Ships (Z17 Annex 1–14)</p> <p>12.1 ~ 12.3 <omitted></p> <p>12.4 Equipment (1) ~ (3) <omitted></p> <p>(4) Calibration Sound Calibrator and sound level meter shall be verified at least every two years by a national Standard laboratory or a competent laboratory accredited according to <u>ISO 17025(2005)</u>, as amended.</p> <p>A record with a complete description of the equipment used shall be kept, including a calibration log.</p> <p style="text-align: center;"><hereinafter, omitted></p>	<p style="text-align: center;">INTRODUCTION <same as the current Guidance></p> <p>Appendix Part A – Approval of Service Suppliers listed in IACS UR Z17</p> <p>1. ~ 11. <same as the current Guidance></p> <p>12. Firms engaged in measurements of Noise level Onboard Ships (Z17 Annex 1–14)</p> <p>12.1 ~ 12.3 <same as the current omitted></p> <p>12.4 Equipment (1) ~ (3) <same as the current omitted></p> <p>(4) Calibration Sound Calibrator and sound level meter shall be verified at least every two years by a national Standard laboratory or a competent laboratory accredited according to <u>ISO/IEC 17025:2017</u> ISO 17025(2005), as amended. <u>(2023)</u></p> <p>A record with a complete description of the equipment used shall be kept, including a calibration log.</p> <p style="text-align: center;"><hereinafter, same as the current Guidance></p>	<p>– Reflected Annex 1, 14.4.4 of IACS Z17 (Rev.18 Feb 2023)</p>

Present	Amendments	Reason
<p>16. Firms engaged in Commissioning Testing of Ballast Water Management Systems (BWMS) (Z17 Annex 1-18) (2022)</p> <p>16.1 <omitted></p> <p>16.2 Procedure (1) ~ (2) <omitted></p> <p>(3) <u>Service Suppliers are to be accredited to relevant standards such as ISO/IEC 17025 or equivalent, as applicable.</u></p> <p>(4) <u>Service Suppliers are to be independent of the BWMS manufacturer or supplier including shipyards.</u></p> <p>16.3 Operators <omitted></p> <p>16.4 Equipment and facilities Equipment, procedures and methods for detailed analysis, where applicable, are to be in accordance with relevant International standard and/or accepted Industry standards.</p> <p><u>Laboratories conducting sample enumeration are to be certified to ISO/IEC 17025 standard, or equivalent.</u></p> <p><hereinafter, omitted></p>	<p>16. Firms engaged in Commissioning Testing of Ballast Water Management Systems (BWMS) (Z17 Annex 1-18) (2022)</p> <p>16.1 <same as the current Guidance></p> <p>16.2 Procedure (2023) (1) ~ (2) <same as the current Guidance></p> <p>(3) Service Suppliers are to be accredited to relevant standards such as ISO/IEC 17025 or equivalent, as applicable.</p> <p>(4) Service Suppliers are to be independent of the BWMS manufacturer or supplier including shipyards.</p> <p>16.3 Operators <sane as the current Guidance></p> <p>16.4 Equipment and facilities (2023) Equipment, procedures and methods for detailed analysis, where applicable, are to be in accordance with relevant International standard and/or accepted Industry standards.</p> <p>Laboratories conducting sample enumeration are to be certified to ISO/IEC 17025 standard, or equivalent.</p> <p><hereinafter, same as the current Guidance></p>	<p>- Reflected Annex 1, 18.2 of IACS Z17 (Rev.18 Feb 2023)</p> <p>- Reflected Annex 1, 18.4 of IACS Z17 (Rev.18 Feb 2023)</p>

Present	Amendments	Reason
<p>16.6 Reporting</p> <p>Service Suppliers are to provide reports detailing the results of sampling and analysis of ballast water and assessment of self-monitoring parameters during commissioning testing. The format is to be acceptable to Society.</p> <p>The report, as a minimum, will contain the following:</p> <p>(1) ~ (3) <omitted></p> <p>(4) <u>Operation required, e.g., ballasting, de-ballast, circulation, one pass, in tank, etc</u></p> <p>(5) Treatment rated capacity (TRC) in m3/h</p> <p>(6) Relevant performance parameters (e.g. TRO, UV dose, UVI, flow rate or other relevant performance parameter).</p> <p>(7) Alarms developed during operation.</p> <p>(8) <u>Installation location.</u></p> <p>(9) Type Approval issued by and Certificate No</p> <p>(10) <u>Date installed</u></p> <p>(11) Results of Sample analysis</p> <p>(12) <u>Pump flow rate, ballast tanks and volume</u></p> <p>(13) Comments/Options : Filter and other major components, Process measurements.</p> <p><hereinafter, omitted></p>	<p>16.6 Reporting <u>(2023)</u></p> <p>Service Suppliers are to provide reports detailing the results of sampling and analysis of ballast water and assessment of self-monitoring parameters during commissioning testing. The format is to be acceptable to Society.</p> <p>The report, as a minimum, will contain the following:</p> <p>(1) ~ (3) <same as the current Guidance></p> <p>(4) <u>BWMS treatment mode of operation, e.g., high power, low power, single pass, IMO mode, USCG Mode, etc</u> Operation required, e.g., ballasting, de-ballast, circulation, one pass, in-tank, etc (2023)</p> <p>(5) Treatment rated capacity (TRC) in m3/h</p> <p>(6) Relevant performance parameters (e.g. TRO, UV dose, UVI, flow rate or other relevant performance parameter).</p> <p>(7) Alarms developed during operation.</p> <p>(8) Installation location.</p> <p><u>(8)</u> (9) Type Approval issued by and Certificate No</p> <p>(10) Date installed</p> <p><u>(9)</u> (11) Results of Sample analysis</p> <p><u>(10)</u> (12) <u>Pump and ballast tanks used for the commissioning test, including the flow rates and volumes of the ballasting and deballasting operations</u> Pump flow rate, ballast tanks and volume (2023)</p> <p><u>(11)</u> (13) Comments/Options : Filter and other major components, Process measurements.</p> <p><hereinafter, same as the current Guidance></p>	<p>– Reflected Annex 1, 18.6 of IACS Z17 (Rev.18 Feb 2023)</p> <p>– adjusted no.</p> <p>– adjusted no.</p> <p>– adjusted no.</p> <p>– adjusted no.</p>